ENCLOSURE A AIRPORT HAZARDS

Airport Hazards (CEST and EA)

General policy	Legislation	Regulation	
It is HUD's policy to apply standards to		24 CFR Part 51 Subpart D	
prevent incompatible development			
around civil airports and military			
airfields.			
References			
https://www.hudexchange.info/environmental-review/airport-hazards			

	References						
htt	:ps://www.	hudexchange.info/environmental-review/airport-hazards					
1.		compatible land use development, you must determine your site's proximity to					
		civil and military airports. Is your project within 15,000 feet of a military airport or 2,500					
	feet of a civilian airport?						
	\boxtimes No \rightarrow	Based on the response, the review is in compliance with this section. Continue to the					
		Worksheet Summary below. Provide a map showing that the site is not within the applicable distances to a military or civilian airport.					
	□Yes →	Continue to Question 2.					
2.	. Is your project located within a Runway Potential Zone/Clear Zone (RPZ/CZ) or Accident Potential Zone (APZ)?						
	\square Yes, project is in an APZ \Rightarrow Continue to Question 3.						
	\square Yes, project is an RPZ/CZ \rightarrow Project cannot proceed at this location.						
	⊠No, project is not within an APZ or RPZ/CZ						
	o Based on the response, the review is in compliance with this section. Continue to the						
	Wo	orksheet Summary below. Provide a map showing that the site is not within either zone.					
3.		ject in conformance with DOD guidelines for APZ?					
	\square Yes, project is consistent with DOD guidelines without further action.						
	Explain how you determined that the project is consistent:						

[→] Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide any documentation supporting this determination.

No, the project cannot be brought into conformance with DOD guidelines and has not been approved. → Project cannot proceed at this location.
Project is not consistent with DOD guidelines, but it has been approved by Certifying
Officer or HUD Approving Official.
Explain approval process:
If mitigation measures have been or will be taken, explain in detail the proposed measures that must be implemented to mitigate for the impact or effect, including the timeline for implementation.

Worksheet Summary

Compliance Determination

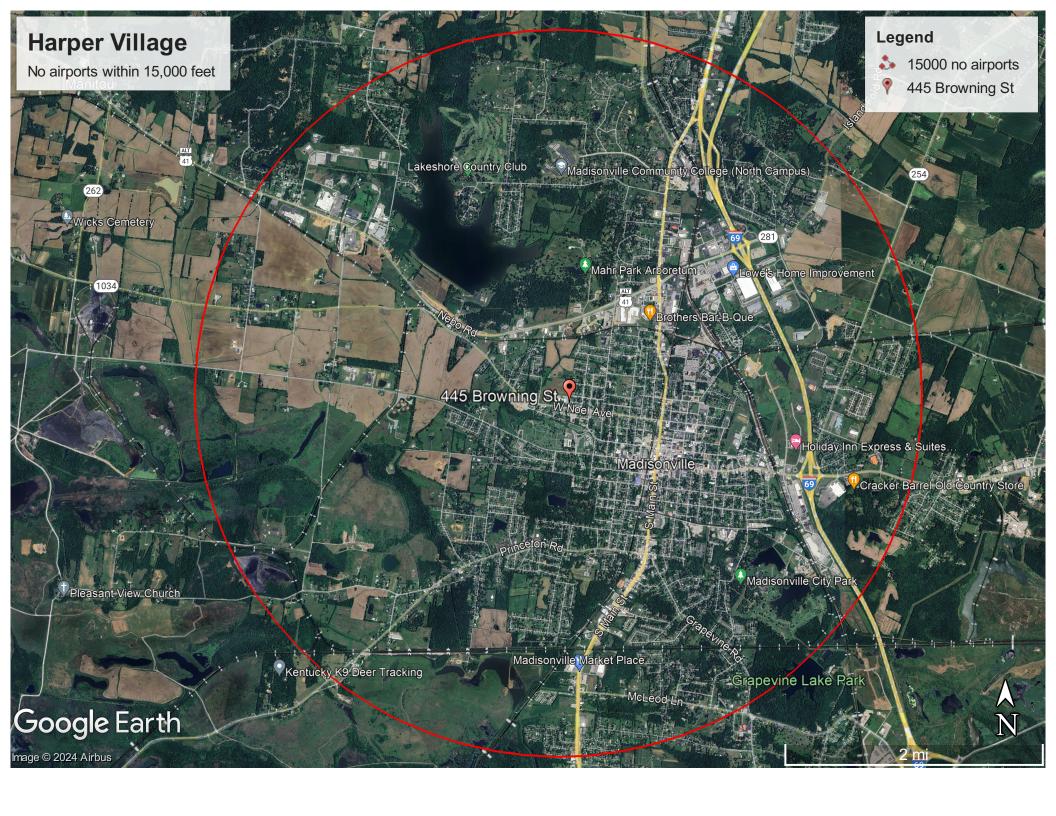
Provide a clear description of your determination and a synopsis of the information that it was based on, such as:

→ Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide any documentation supporting this determination.

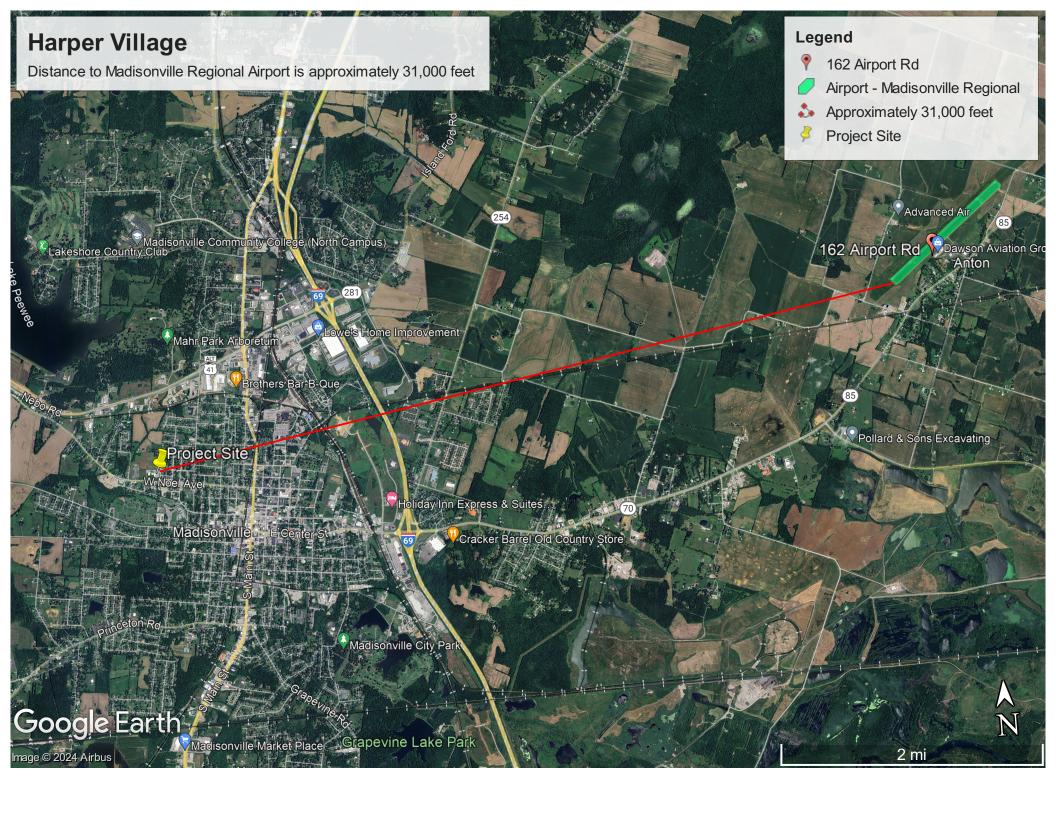
- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your region

The project site is not within 15,000 feet of a military airport or 2,500 feet of a civilian airport. The nearest airport is the Madisonville Regional airport (a civilian airport) and it is approximately 31,000 feet from the project site. The nearest military airports are in Louisville, Kentucky, Fort Knox, Kentucky, and For Campbell, Kentucky. All are outside of 15,000 feet (see map). Louisville International airport is over 100 miles from the project site. Fort Knox is over 90 miles from the project site. Fort Campbell is over 45 miles from the project site. The project is in compliance with Airport Hazards requirements.

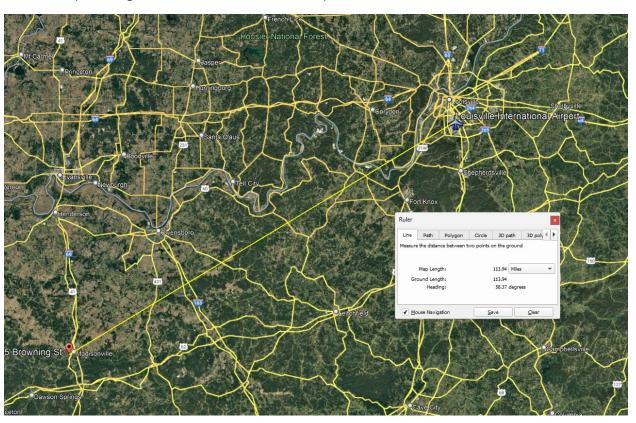
Are formal compliance steps or mitigation required? ☐ Yes ☒ No	
Supporting documentation below:	
Harper Village - Airport 15000.pdf	
Harper Village - Airport 2500.pdf	
Harper Village - Distance to Nearest Airport.pd	f
Harper Village to Military Airports.pdf	



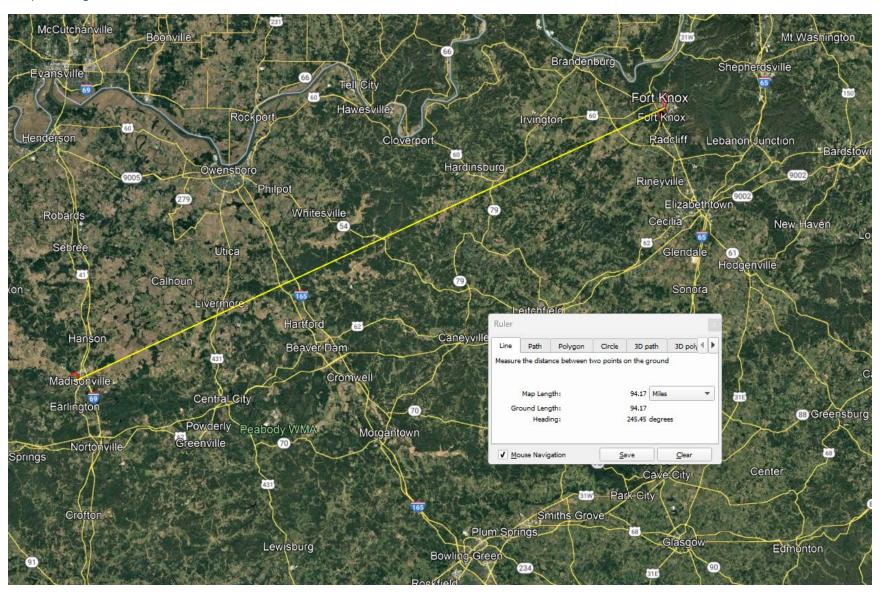


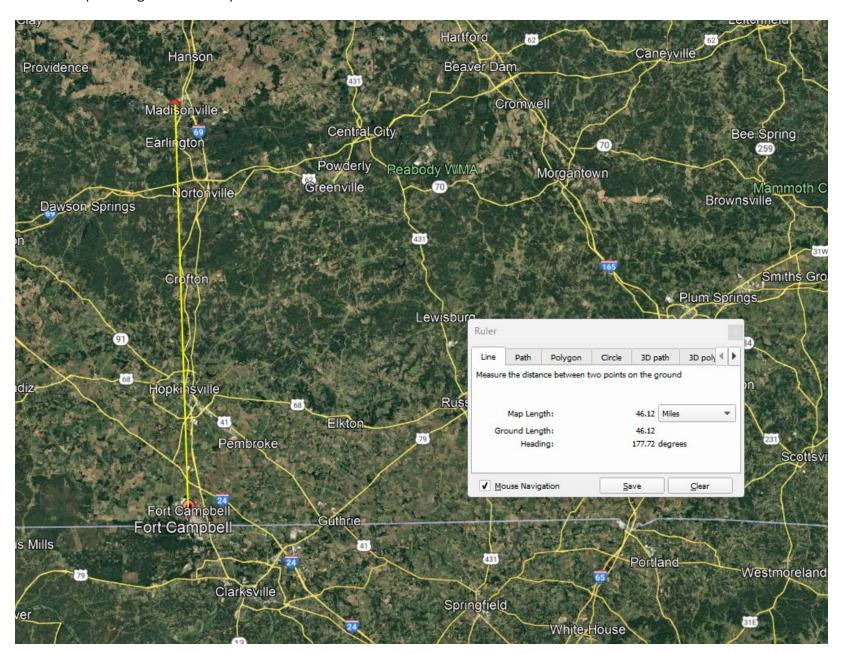


Harper Village to Louisville International Airport



Harper Village to Ft. Knox





ENCLOSURE B COASTAL BARRIER RESOURCES

Coastal Barrier Resources (CEST and EA)

General requirements	Legislation	Regulation	
HUD financial assistance may not be	Coastal Barrier Resources Act		
used for most activities in units of	(CBRA) of 1982, as amended		
the Coastal Barrier Resources	by the Coastal Barrier		
System (CBRS). See 16 USC 3504 for	Improvement Act of 1990 (16		
limitations on federal expenditures	USC 3501)		
affecting the CBRS.			
References			
https://www.hudexchange.info/environmental-review/coastal-barrier-resources			

Projects located in the following states must complete this form.

Alabama	Georgia	Massachusetts	New Jersey	Puerto Rico	Virgin Islands
Connecticut	Louisiana	Michigan	New York	Rhode Island	Virginia
Delaware	Maine	Minnesota	North Carolina	South Carolina	Wisconsin
Florida	Maryland	Mississippi	Ohio	Texas	

1. Is the project located in a CBRS Unit?

\boxtimes No \rightarrow	Based on the response, the review is in compliance with this section. Continue to the
	Worksheet Summary below. Provide a map showing that the site is not within a CBRS Unit.

 \square Yes \rightarrow Continue to Question 2.

<u>Federal assistance for most activities may not be used at this location. You must either choose an alternate site or cancel the project.</u> In very rare cases, federal monies can be spent within CBRS units for certain exempted activities (e.g., a nature trail), after consultation with the Fish and Wildlife Service (FWS) (see <u>16 USC 3505</u> for exceptions to limitations on expenditures).

2. Indicate your selected course of action.

Project cannot proceed at this location.

\square After consultation with the FWS the project was given approval to continue
o Based on the response, the review is in compliance with this section. Continue to the
Worksheet Summary below. Provide a map and documentation of a FWS approval.
☐ Project was not given approval

Worksheet Summary

Compliance Determination

Provide a clear description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your region

Form is not required – Kentucky is not listed as a state that must complete this form.				
Are formal compliance steps or mitigation required?				
☐ Yes				
⊠ No				

ENCLOSURE C FLOOD INSURANCE

Flood Insurance (CEST and EA)

General requirements	Legislation	Regulation	Reference
Certain types of federal financial	Flood Disaster	24 CFR	<u>Flood</u>
assistance may not be used in floodplains	Protection Act of	50.4(b)(1) and	<u>Insurance -</u>
unless the community participates in	1973 as	24 CFR 58.6(a)	HUD Exchange
National Flood Insurance Program and	amended (42	and (b); 24	
flood insurance is both obtained and	USC 4001-4128)	CFR 55.5.	
maintained.			

1.	Does this project involve mortgage insurance, refinance, acquisition, repairs, construction,
	or rehabilitation of a structure, mobile home, or insurable personal property?

□No. This project does not require flood insurance or is excepted from flood insurance. *Continue to the Worksheet Summary.*

 \boxtimes Yes Continue to Question 2.

2. Provide a FEMA/FIRM map showing the site.

The Federal Emergency Management Agency (FEMA) designates floodplains. The <u>FEMA Map Service Center</u> provides this information in the form of FEMA Flood Insurance Rate Maps (FIRMs). For projects in areas not mapped by FEMA, use the best available information to determine floodplain information. Include documentation, including a discussion of why this is the best available information for the site. Provide FEMA/FIRM floodplain zone designation, panel number, and date within your documentation.

Is the structure, part of the structure, or insurable property located in a FEMA-designated Special Flood Hazard Area?

oxtimes No Continue to the Worksheet Summa	ry.
--	-----

 \square Yes Continue to Question 3.

3. Is the community participating in the National Flood Insurance Program *or* has less than one year passed since FEMA notification of Special Flood Hazards?

∐'	Yes, the community is participating in the National Flood Insurance Program.
	For loans, loan insurance or loan guarantees, flood insurance coverage must be continued
	for the term of the loan. For grants and other non-loan forms of financial assistance, floor
	insurance coverage must be continued for the life of the building irrespective of the
	transfer of ownership. The amount of coverage must equal the total project cost or the
	maximum coverage limit of the National Flood Insurance Program, whichever is less
	Provide a copy of the flood insurance policy declaration or a paid receipt for the current
	annual flood insurance premium and a copy of the application for flood insurance.

Continue to the Worksheet Summary.

☐Yes, less than one year has passed since FEMA notification of Special Flood Hazards. If less than one year has passed since notification of Special Flood Hazards, no flood Insurance is required.
Continue to the Worksheet Summary.
□ No. The community is not participating, or its participation has been suspended. Federal assistance may not be used at this location. Cancel the project at this location.

Worksheet Summary

Compliance Determination

Provide a clear description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your region

The structure or insurable property is not located in a FEMA-designated Special Flood Hazard Area. While flood insurance may not be mandatory in this instance, HUD recommends that all insurable structures maintain flood insurance under the National Flood Insurance Program (NFIP). The project is in compliance with flood insurance requirements.

Supporting Documentation Attached:

FIRMETTE_2ba02ba3-0703-4631-a96c-a0a6d2905651(1).pdf

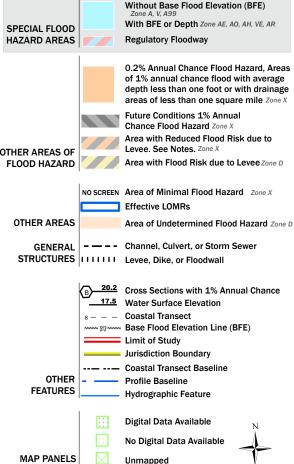
National Flood Hazard Layer FIRMette





Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT



This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The pin displayed on the map is an approximate point selected by the user and does not represent

an authoritative property location.

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 7/14/2024 at 12:35 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

ENCLOSURE D CLEAN AIR

Air Quality (CEST and EA)

7 Quanty (0201 and 271)	h						
General Requirements	Legislation	Regulation					
The Clean Air Act is administered by the	Clean Air Act (42 USC	40 CFR Parts 6, 51					
U.S. Environmental Protection Agency	7401 et seq.) as	and 93					
(EPA), which sets national standards on	amended particularly						
ambient pollutants. In addition, the Clean	Section 176(c) and (d)						
Air Act is administered by States, which	(42 USC 7506(c) and (d))						
must develop State Implementation Plans							
(SIPs) to regulate their state air quality.							
Projects funded by HUD must							
demonstrate that they conform to the							
appropriate SIP.							
Reference							
https://www.hudexchange.info/environmental-review/air-quality							

Scope of Work

1. Does your project include new construction or conversion of land use facilitating the development of public, commercial, or industrial facilities OR five or more dwelling units?

\boxtimes	Yes → Continu	ıe to	Question 2	2.									
	No												
	Based on	the	response,	the r	eview is	in	compliance	with	this	section.	Continue	to	the
	Worksheet	t Sun	nmary belo	w. Pro	ovide any	o do	cuments use	d to n	nake	your dete	ermination		

Air Quality Attainment Status of Project's County or Air Quality Management District

2. Is your project's air quality management district or county in non-attainment or maintenance status for any criteria pollutants?

Follow the link below to determine compliance status of project county or air quality management district:

http://www.epa.gov/oaqps001/greenbk/

- No, project's county or air quality management district is in attainment status for all criteria pollutants
 - → Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide any documents used to make your determination.

	→ Continue to Question 3.
3.	Determine the estimated emissions levels of your project for each of those criteria
	pollutants that are in non-attainment or maintenance status on your project area. Wil
	your project exceed any of the <i>de minimis or threshold</i> emissions levels of non attainment and maintenance level pollutants or exceed the screening levels established
	by the state or air quality management district?
	No, the project will not exceed <i>de minimis</i> or threshold emissions levels or screening levels
	→ Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Explain how you determined that the project would not exceed the minimis or threshold emissions.
	☐ Yes, the project exceeds <i>de minimis</i> emissions levels or screening levels.
	→ Continue to Question 4. Explain how you determined that the project would not exceed dominimis or threshold emissions in the Worksheet Summary.
4.	For the project to be brought into compliance with this section, all adverse impacts mus be mitigated. Explain in detail the exact measures that must be implemented to mitigate for the impact or effect, including the timeline for implementation.

Worksheet Summary

Compliance Determination

Provide a clear description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your region

The project's county or air quality management district is in attainment status for all criteria pollutants per the EPA Greenbook Hopkins County does not have any non-attainment areas. https://www.epa.gov/green-book. The project is in compliance with the Clean Air Act.

Are formal compliance steps or mitigation required?

☐ Yes

⊠ No

Supporting Documentation

Current Nonattainment Counties for All Criteria Pollutants _ Green Book _ US EPA.pdf



You are here: EPA Home > Green Book > Current Nonattainment Counties for All Criteria Pollutants

Current Nonattainment Counties for All Criteria Pollutants

Data is current as of June 30, 2024

The 8-hour Ozone (1997) standard was revoked on April 6, 2015 and the 1-hour Ozone (1979) standard was revoked on June 15, 2005.

The asterisk (*) indicates only a portion of the county is included in the designated nonattainment area (NA).

Download National Dataset of all designated areas (currently nonattainment, maintenance, revoked): dbf | xls | Data dictionary (PDF)

ALASKA

```
Listed by State, County, NAAQS
                                  * Part County NA NA Area Name (Classification, if applicable)
    Fairbanks North Star Borough
                            *Fairbanks, AK - (Serious)
        PM-2.5 (2006)
ARIZONA
    Cochise County
                            *Cochise County; Paul Spur/Douglas planning area, AZ - (Moderate)
        PM-10 (1987)
    Gila County
        Lead (2008)
                            *Havden, AZ
        PM-10 (1987)
                            *Hayden, AZ - (Moderate)
                            *Miami, AZ - (Moderate)
        PM-10 (1987)
        Sulfur Dioxide (2010)*Hayden, AZ
        Sulfur Dioxide (2010)*Miami, AZ
        8-Hour Ozone (2015) *Phoenix-Mesa, AZ - (Moderate)
    Maricopa County
        PM-10 (1987)
                            *Maricopa and Pinal Counties; Phoenix planning area, AZ - (Serious)
        8-Hour Ozone (2008) *Phoenix-Mesa, AZ - (Moderate)
        8-Hour Ozone (2015) *Phoenix-Mesa, AZ - (Moderate)
    Pima County
        PM-10 (1987)
                            *Pima County; Rillito planning area, AZ - (Moderate)
    Pinal County
                            *Hayden, AZ
        Lead (2008)
        PM-10 (1987)
                            *Hayden, AZ - (Moderate)
        PM-10 (1987)
                            *Maricopa and Pinal Counties; Phoenix planning area, AZ - (Serious)
        PM-10 (1987)
                            *Miami, AZ - (Moderate)
                            *Pinal County (part); West Pinal, AZ - (Serious)
        PM-10 (1987)
        PM-2.5 (2006)
                            *West Central Pinal, AZ - (Moderate)
        Sulfur Dioxide (1971)*Hayden (Pinal County), AZ
        Sulfur Dioxide (2010)*Hayden, AZ
        8-Hour Ozone (2008) *Phoenix-Mesa, AZ - (Moderate)
        8-Hour Ozone (2015) *Phoenix-Mesa, AZ - (Moderate)
    Santa Cruz County
        PM-10 (1987)
                            *Santa Cruz County; Nogales planning area, AZ - (Moderate)
     Yuma County
        PM-10 (1987)
                            *Yuma, AZ - (Moderate)
        8-Hour Ozone (2015) *Yuma, AZ - (Marginal)
CALIFORNIA
    Alameda County
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PM-2.5 (2006) San Francisco Bay Area, CA - (Moderate)

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8-Hour Ozone (2008) San Francisco Bay Area, CA - (Marginal)
   8-Hour Ozone (2015) San Francisco Bay Area, CA - (Marginal)
Amador County
   8-Hour Ozone (2015) Amador County, CA - (Marginal)
Butte County
   8-Hour Ozone (2008) Chico (Butte County), CA - (Marginal)
   8-Hour Ozone (2015) Butte County, CA - (Marginal)
Calaveras County
   8-Hour Ozone (2008) Calaveras County, CA - (Marginal)
   8-Hour Ozone (2015) Calaveras County, CA - (Marginal)
Contra Costa County
   PM-2.5 (2006)
                         San Francisco Bay Area, CA - (Moderate)
   8-Hour Ozone (2008) San Francisco Bay Area, CA - (Marginal)
   8-Hour Ozone (2015) San Francisco Bay Area, CA - (Marginal)
El Dorado County
   PM-2.5 (2006)
                        *Sacramento, CA - (Moderate)
   8-Hour Ozone (2008) *Sacramento Metro, CA - (Severe 15)
   8-Hour Ozone (2015) *Sacramento Metro, CA - (Serious)
Fresno County
   PM-2.5 (1997)
                         San Joaquin Valley, CA - (Serious)
   PM-2.5 (2006)
                         San Joaquin Valley, CA - (Serious)
   PM-2.5 (2012)
                         San Joaquin Valley, CA - (Serious)
   8-Hour Ozone (2008) San Joaquin Valley, CA - (Extreme)
   8-Hour Ozone (2015) San Joaquin Valley, CA - (Extreme)
Imperial County
   PM-2.5 (2006)
                        *Imperial County, CA - (Moderate)
                        *Imperial County, CA - (Moderate)
   PM-2.5 (2012)
   8-Hour Ozone (2008) Imperial County, CA - (Moderate)
   8-Hour Ozone (2015) Imperial County, CA - (Marginal)
Inyo County
                        *Inyo County; Owens Valley planning area, CA - (Serious)
   PM-10 (1987)
Kern County
   PM-10 (1987)
                        *East Kern County, CA - (Serious)
   PM-2.5 (1997)
                        *San Joaquin Valley, CA - (Serious)
   PM-2.5 (2006)
                        *San Joaquin Valley, CA - (Serious)
   PM-2.5 (2012)
                        *San Joaquin Valley, CA - (Serious)
   8-Hour Ozone (2008) *Kern County (Eastern Kern), CA - (Severe 15)
   8-Hour Ozone (2008) *San Joaquin Valley, CA - (Extreme)
   8-Hour Ozone (2015) *Kern County (Eastern Kern), CA - (Serious)
   8-Hour Ozone (2015) *San Joaquin Valley, CA - (Extreme)
Kings County
   PM-2.5 (1997)
                         San Joaquin Valley, CA - (Serious)
   PM-2.5 (2006)
                         San Joaquin Valley, CA - (Serious)
   PM-2.5 (2012)
                         San Joaquin Valley, CA - (Serious)
   8-Hour Ozone (2008) San Joaquin Valley, CA - (Extreme)
   8-Hour Ozone (2015) San Joaquin Valley, CA - (Extreme)
Los Angeles County
   Lead (2008)
                        *Los Angeles County-South Coast Air Basin, CA
                        *Los Angeles-South Coast Air Basin, CA - (Moderate)
   PM-2.5 (1997)
   PM-2.5 (2006)
                        *Los Angeles-South Coast Air Basin, CA - (Serious)
   PM-2.5 (2012)
                        *Los Angeles-South Coast Air Basin, CA - (Serious)
   8-Hour Ozone (2008) *Los Angeles-San Bernardino Counties (West Mojave Desert), CA - (Severe
   8-Hour Ozone (2008) *Los Angeles-South Coast Air Basin, CA - (Extreme)
   8-Hour Ozone (2015) *Los Angeles-San Bernardino Counties (West Mojave Desert), CA - (Severe
   8-Hour Ozone (2015) *Los Angeles-South Coast Air Basin, CA - (Extreme)
Madera County
   PM-2.5 (1997)
                         San Joaquin Valley, CA - (Serious)
   PM-2.5 (2006)
                         San Joaquin Valley, CA - (Serious)
                         San Joaquin Valley, CA - (Serious)
   PM-2.5 (2012)
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8-Hour Ozone (2008) San Joaquin Valley, CA - (Extreme)
   8-Hour Ozone (2015) San Joaquin Valley, CA - (Extreme)
Marin County
   PM-2.5 (2006)
                         San Francisco Bay Area, CA - (Moderate)
   8-Hour Ozone (2008) San Francisco Bay Area, CA - (Marginal)
   8-Hour Ozone (2015) San Francisco Bay Area, CA - (Marginal)
Mariposa County
   8-Hour Ozone (2008) Mariposa County, CA - (Moderate)
   8-Hour Ozone (2015) Mariposa County, CA - (Moderate)
Merced County
   PM-2.5 (1997)
                         San Joaquin Valley, CA - (Serious)
   PM-2.5 (2006)
                         San Joaquin Valley, CA - (Serious)
                         San Joaquin Valley, CA - (Serious)
   PM-2.5 (2012)
   8-Hour Ozone (2008) San Joaquin Valley, CA - (Extreme)
   8-Hour Ozone (2015) San Joaquin Valley, CA - (Extreme)
Mono County
   PM-10 (1987)
                        *Mono Basin, CA - (Moderate)
Napa County
   PM-2.5 (2006)
                         San Francisco Bay Area, CA - (Moderate)
   8-Hour Ozone (2008) San Francisco Bay Area, CA - (Marginal)
   8-Hour Ozone (2015) San Francisco Bay Area, CA - (Marginal)
Nevada County
   8-Hour Ozone (2008) *Nevada County (Western part), CA - (Serious)
   8-Hour Ozone (2015) *Nevada County (Western part), CA - (Serious)
Orange County
   PM-2.5 (1997)
                         Los Angeles-South Coast Air Basin, CA - (Moderate)
   PM-2.5 (2006)
                         Los Angeles-South Coast Air Basin, CA - (Serious)
   PM-2.5 (2012)
                         Los Angeles-South Coast Air Basin, CA - (Serious)
   8-Hour Ozone (2008) Los Angeles-South Coast Air Basin, CA - (Extreme)
   8-Hour Ozone (2015) Los Angeles-South Coast Air Basin, CA - (Extreme)
Placer County
   PM-2.5 (2006)
                        *Sacramento, CA - (Moderate)
   8-Hour Ozone (2008) *Sacramento Metro, CA - (Severe 15)
   8-Hour Ozone (2015) *Sacramento Metro, CA - (Serious)
Plumas County
   PM-2.5 (2012)
                        *Plumas County, CA - (Serious)
Riverside County
   PM-10 (1987)
                        *Riverside County; Coachella Valley planning area, CA - (Serious)
   PM-2.5 (1997)
                        *Los Angeles-South Coast Air Basin, CA - (Moderate)
   PM-2.5 (2006)
                        *Los Angeles-South Coast Air Basin, CA - (Serious)
                        *Los Angeles-South Coast Air Basin, CA - (Serious)
   PM-2.5 (2012)
   8-Hour Ozone (2008) *Los Angeles-South Coast Air Basin, CA - (Extreme)
   8-Hour Ozone (2008) *Morongo Band of Mission Indians, CA - (Severe 15)
   8-Hour Ozone (2008) *Pechanga Band of Luiseno Mission Indians of the Pechanga Reservation, CA -
                         (Moderate)
   8-Hour Ozone (2008) *Riverside County (Coachella Valley), CA - (Extreme)
   8-Hour Ozone (2015) *Los Angeles-South Coast Air Basin, CA - (Extreme)
   8-Hour Ozone (2015) *Morongo Band of Mission Indians, CA - (Serious)
   8-Hour Ozone (2015) *Pechanga Band of Luiseno Mission Indians of the Pechanga Reservation, CA -
                         (Moderate)
   8-Hour Ozone (2015) *Riverside County (Coachella Valley), CA - (Severe 15)
Sacramento County
   PM-2.5 (2006)
                         Sacramento, CA - (Moderate)
   8-Hour Ozone (2008) Sacramento Metro, CA - (Severe 15)
   8-Hour Ozone (2015) Sacramento Metro, CA - (Serious)
San Bernardino County
   PM-10 (1987)
                        *San Bernardino County, CA - (Moderate)
   PM-10 (1987)
                        *Trona, CA - (Moderate)
   PM-2.5 (1997)
                        *Los Angeles-South Coast Air Basin, CA - (Moderate)
   PM-2.5 (2006)
                        *Los Angeles-South Coast Air Basin, CA - (Serious)
   PM-2.5 (2012)
                        *Los Angeles-South Coast Air Basin, CA - (Serious)
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8-Hour Ozone (2008) *Los Angeles-San Bernardino Counties (West Mojave Desert), CA - (Severe
   8-Hour Ozone (2008) *Los Angeles-South Coast Air Basin, CA - (Extreme)
   8-Hour Ozone (2015) *Los Angeles-San Bernardino Counties (West Mojave Desert), CA - (Severe
   8-Hour Ozone (2015) *Los Angeles-South Coast Air Basin, CA - (Extreme)
San Diego County
   8-Hour Ozone (2008) *Pechanga Band of Luiseno Mission Indians of the Pechanga Reservation, CA -
                         (Moderate)
   8-Hour Ozone (2008) *San Diego County, CA - (Severe 15)
   8-Hour Ozone (2015) *Pechanga Band of Luiseno Mission Indians of the Pechanga Reservation, CA -
                         (Moderate)
   8-Hour Ozone (2015) *San Diego County, CA - (Severe 15)
San Francisco County
   PM-2.5 (2006)
                         San Francisco Bay Area, CA - (Moderate)
   8-Hour Ozone (2008) San Francisco Bay Area, CA - (Marginal)
   8-Hour Ozone (2015) San Francisco Bay Area, CA - (Marginal)
San Joaquin County
   PM-2.5 (1997)
                         San Joaquin Valley, CA - (Serious)
   PM-2.5 (2006)
                         San Joaquin Valley, CA - (Serious)
   PM-2.5 (2012)
                         San Joaquin Valley, CA - (Serious)
   8-Hour Ozone (2008) San Joaquin Valley, CA - (Extreme)
   8-Hour Ozone (2015) San Joaquin Valley, CA - (Extreme)
San Luis Obispo County
   8-Hour Ozone (2008) *San Luis Obispo (Eastern San Luis Obispo), CA - (Marginal)
   8-Hour Ozone (2015) *San Luis Obispo (Eastern part), CA - (Marginal)
San Mateo County
   PM-2.5 (2006)
                         San Francisco Bay Area, CA - (Moderate)
   8-Hour Ozone (2008) San Francisco Bay Area, CA - (Marginal)
   8-Hour Ozone (2015) San Francisco Bay Area, CA - (Marginal)
Santa Clara County
   PM-2.5 (2006)
                         San Francisco Bay Area, CA - (Moderate)
   8-Hour Ozone (2008) San Francisco Bay Area, CA - (Marginal)
   8-Hour Ozone (2015) San Francisco Bay Area, CA - (Marginal)
Solano County
   PM-2.5 (2006)
                       *Sacramento, CA - (Moderate)
                       *San Francisco Bay Area, CA - (Moderate)
   PM-2.5 (2006)
   8-Hour Ozone (2008) *Sacramento Metro, CA - (Severe 15)
   8-Hour Ozone (2008) *San Francisco Bay Area, CA - (Marginal)
   8-Hour Ozone (2015) *Sacramento Metro, CA - (Serious)
   8-Hour Ozone (2015) *San Francisco Bay Area, CA - (Marginal)
Sonoma County
   PM-2.5 (2006)
                       *San Francisco Bay Area, CA - (Moderate)
   8-Hour Ozone (2008) *San Francisco Bay Area, CA - (Marginal)
   8-Hour Ozone (2015) *San Francisco Bay Area, CA - (Marginal)
Stanislaus County
   PM-2.5 (1997)
                         San Joaquin Valley, CA - (Serious)
                         San Joaquin Valley, CA - (Serious)
   PM-2.5 (2006)
                         San Joaquin Valley, CA - (Serious)
   PM-2.5 (2012)
   8-Hour Ozone (2008) San Joaquin Valley, CA - (Extreme)
   8-Hour Ozone (2015) San Joaquin Valley, CA - (Extreme)
Sutter County
   8-Hour Ozone (2008) *Sacramento Metro, CA - (Severe 15)
   8-Hour Ozone (2015) *Sacramento Metro, CA - (Serious)
   8-Hour Ozone (2015) *Sutter Buttes, CA - (Marginal)
Tehama County
   8-Hour Ozone (2008) *Tuscan Buttes, CA - (Marginal)
   8-Hour Ozone (2015) *Tuscan Buttes, CA - (Marginal (Rural Transport))
Tulare County
   PM-2.5 (1997)
                         San Joaquin Valley, CA - (Serious)
   PM-2.5 (2006)
                         San Joaquin Valley, CA - (Serious)
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PM-2.5 (2012)
                            San Joaquin Valley, CA - (Serious)
       8-Hour Ozone (2008) San Joaquin Valley, CA - (Extreme)
       8-Hour Ozone (2015) San Joaquin Valley, CA - (Extreme)
    Tuolumne County
       8-Hour Ozone (2015) Tuolumne County, CA - (Marginal)
    Ventura County
       8-Hour Ozone (2008) *Ventura County, CA - (Serious)
       8-Hour Ozone (2015) *Ventura County, CA - (Serious)
    Yolo County
       PM-2.5 (2006)
                           *Sacramento, CA - (Moderate)
       8-Hour Ozone (2008) Sacramento Metro, CA - (Severe 15)
       8-Hour Ozone (2015) Sacramento Metro, CA - (Serious)
COLORADO
    Adams County
       8-Hour Ozone (2008) Denver-Boulder-Greeley-Ft. Collins-Loveland, CO - (Severe 15)
       8-Hour Ozone (2015) Denver Metro/North Front Range, CO - (Moderate)
    Arapahoe County
       8-Hour Ozone (2008) Denver-Boulder-Greeley-Ft. Collins-Loveland, CO - (Severe 15)
       8-Hour Ozone (2015) Denver Metro/North Front Range, CO - (Moderate)
    Boulder County
       8-Hour Ozone (2008) Denver-Boulder-Greeley-Ft. Collins-Loveland, CO - (Severe 15)
       8-Hour Ozone (2015) Denver Metro/North Front Range, CO - (Moderate)
    Broomfield County
       8-Hour Ozone (2008) Denver-Boulder-Greeley-Ft. Collins-Loveland, CO - (Severe 15)
       8-Hour Ozone (2015) Denver Metro/North Front Range, CO - (Moderate)
    Denver County
       8-Hour Ozone (2008) Denver-Boulder-Greeley-Ft. Collins-Loveland, CO - (Severe 15)
       8-Hour Ozone (2015) Denver Metro/North Front Range, CO - (Moderate)
    Douglas County
       8-Hour Ozone (2008) Denver-Boulder-Greeley-Ft. Collins-Loveland, CO - (Severe 15)
       8-Hour Ozone (2015) Denver Metro/North Front Range, CO - (Moderate)
    Jefferson County
       8-Hour Ozone (2008) Denver-Boulder-Greeley-Ft. Collins-Loveland, CO - (Severe 15)
       8-Hour Ozone (2015) Denver Metro/North Front Range, CO - (Moderate)
    Larimer County
       8-Hour Ozone (2008) *Denver-Boulder-Greeley-Ft. Collins-Loveland, CO - (Severe 15)
       8-Hour Ozone (2015) *Denver Metro/North Front Range, CO - (Moderate)
    Weld County
       8-Hour Ozone (2008) *Denver-Boulder-Greeley-Ft. Collins-Loveland, CO - (Severe 15)
       8-Hour Ozone (2015) Denver Metro/North Front Range, CO - (Moderate)
CONNECTICUT
    Fairfield County
       8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Severe 15)
       8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
    Hartford County
       8-Hour Ozone (2008) Greater Connecticut, CT - (Serious)
       8-Hour Ozone (2015) Greater Connecticut, CT - (Moderate)
    Litchfield County
       8-Hour Ozone (2008) Greater Connecticut, CT - (Serious)
       8-Hour Ozone (2015) Greater Connecticut, CT - (Moderate)
    Middlesex County
       8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Severe 15)
       8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
    New Haven County
       8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Severe 15)
       8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
    New London County
       8-Hour Ozone (2008) Greater Connecticut, CT - (Serious)
       8-Hour Ozone (2015) Greater Connecticut, CT - (Moderate)
    Tolland County
       8-Hour Ozone (2008) Greater Connecticut, CT - (Serious)
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8-Hour Ozone (2015) Greater Connecticut, CT - (Moderate)
    Windham County
       8-Hour Ozone (2008) Greater Connecticut, CT - (Serious)
       8-Hour Ozone (2015) Greater Connecticut, CT - (Moderate)
DELAWARE
    New Castle County
       8-Hour Ozone (2008) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Marginal)
       8-Hour Ozone (2015) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Moderate)
    Sussex County
       8-Hour Ozone (2008) Seaford, DE - (Marginal)
DISTRICT OF COLUMBIA
    District of Columbia
       8-Hour Ozone (2015) Washington, DC-MD-VA - (Moderate)
GUAM
    Guam
       Sulfur Dioxide (1971)*Piti, GU
       Sulfur Dioxide (1971)*Tanguisson, GU
       Sulfur Dioxide (2010)*Piti-Cabras, GU
IDAHO
    Bannock County
       PM-10 (1987)
                           *Power-Bannock Counties; Fort Hall Indian Reservation, ID - (Moderate)
    Power County
       PM-10 (1987)
                           *Power-Bannock Counties: Fort Hall Indian Reservation, ID - (Moderate)
ILLINOIS
    Cook County
       8-Hour Ozone (2015) Chicago, IL-IN-WI - (Moderate)
    DuPage County
       8-Hour Ozone (2015) Chicago, IL-IN-WI - (Moderate)
    Grundy County
       8-Hour Ozone (2015) *Chicago, IL-IN-WI - (Moderate)
    Kane County
       8-Hour Ozone (2015) Chicago, IL-IN-WI - (Moderate)
    Kendall County
       8-Hour Ozone (2015) *Chicago, IL-IN-WI - (Moderate)
    Lake County
       8-Hour Ozone (2015) Chicago, IL-IN-WI - (Moderate)
    Madison County
       Sulfur Dioxide (2010)*Alton Township, IL
       8-Hour Ozone (2015) St. Louis, MO-IL - (Moderate)
    McHenry County
       8-Hour Ozone (2015) Chicago, IL-IN-WI - (Moderate)
    Monroe County
       8-Hour Ozone (2015) St. Louis, MO-IL - (Moderate)
    St. Clair County
       8-Hour Ozone (2015) St. Louis, MO-IL - (Moderate)
    Will County
       8-Hour Ozone (2015) Chicago, IL-IN-WI - (Moderate)
INDIANA
    Huntington County
       Sulfur Dioxide (2010)*Huntington, IN
    Lake County
       8-Hour Ozone (2015) *Chicago, IL-IN-WI - (Moderate)
    Porter County
       8-Hour Ozone (2015) *Chicago, IL-IN-WI - (Moderate)
IOWA
    Muscatine County
       Sulfur Dioxide (2010)*Muscatine, IA
KANSAS
    Saline County
       Lead (2008)
                           *Saline County, KS
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KENTUCKY

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Bullitt County
       8-Hour Ozone (2015) Louisville, KY-IN - (Moderate)
    Henderson County
       Sulfur Dioxide (2010)*Henderson-Webster Counties, KY
    Jefferson County
       8-Hour Ozone (2015) Louisville, KY-IN - (Moderate)
    Oldham County
       8-Hour Ozone (2015) Louisville, KY-IN - (Moderate)
    Webster County
       Sulfur Dioxide (2010)*Henderson-Webster Counties, KY
LOUISIANA
    Evangeline Parish
       Sulfur Dioxide (2010)*Evangeline Parish (Partial), LA
    St. Bernard Parish
       Sulfur Dioxide (2010) St. Bernard Parish, LA
MARYLAND
    Anne Arundel County
       Sulfur Dioxide (2010)*Anne Arundel County and Baltimore County, MD
       8-Hour Ozone (2008) Baltimore, MD - (Moderate)
       8-Hour Ozone (2015) Baltimore, MD - (Moderate)
    Baltimore County
       Sulfur Dioxide (2010)*Anne Arundel County and Baltimore County, MD
       8-Hour Ozone (2008) Baltimore, MD - (Moderate)
       8-Hour Ozone (2015) Baltimore, MD - (Moderate)
    Baltimore city
       8-Hour Ozone (2008) Baltimore, MD - (Moderate)
       8-Hour Ozone (2015) Baltimore, MD - (Moderate)
    Calvert County
       8-Hour Ozone (2015) Washington, DC-MD-VA - (Moderate)
    Carroll County
       8-Hour Ozone (2008) Baltimore, MD - (Moderate)
       8-Hour Ozone (2015) Baltimore, MD - (Moderate)
    Cecil County
       8-Hour Ozone (2008) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Marginal)
       8-Hour Ozone (2015) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Moderate)
    Charles County
       8-Hour Ozone (2015) Washington, DC-MD-VA - (Moderate)
    Frederick County
       8-Hour Ozone (2015) Washington, DC-MD-VA - (Moderate)
    Harford County
       8-Hour Ozone (2008) Baltimore, MD - (Moderate)
       8-Hour Ozone (2015) Baltimore, MD - (Moderate)
    Howard County
       8-Hour Ozone (2008) Baltimore, MD - (Moderate)
       8-Hour Ozone (2015) Baltimore, MD - (Moderate)
    Montgomery County
       8-Hour Ozone (2015) Washington, DC-MD-VA - (Moderate)
    Prince George's County
       8-Hour Ozone (2015) Washington, DC-MD-VA - (Moderate)
MASSACHUSETTS
    Dukes County
       8-Hour Ozone (2008) Dukes County, MA - (Marginal)
MICHIGAN
    Allegan County
       8-Hour Ozone (2015) *Allegan County, MI - (Moderate)
    Berrien County
       8-Hour Ozone (2015) Berrien County, MI - (Moderate)
    Muskegon County
       8-Hour Ozone (2015) *Muskegon County, MI - (Moderate)
    St. Clair County
       Sulfur Dioxide (2010)*St. Clair, MI
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Wayne County
       Sulfur Dioxide (2010)*Detroit, MI
MINNESOTA
    Dakota County
       Lead (2008)
                           *Eagan, MN
MISSOURI
    Dent County
                           *Iron, Dent, and Reynolds Counties, MO
       Lead (2008)
    Franklin County
       8-Hour Ozone (2015) *St. Louis, MO-IL - (Moderate)
    Iron County
       Lead (2008)
                           *Iron, Dent, and Reynolds Counties, MO
    Jefferson County
       Lead (1978)
                           *Jefferson County (part); Herculaneum, MO
       Lead (2008)
                           *Jefferson County, MO
       8-Hour Ozone (2015) St. Louis, MO-IL - (Moderate)
    New Madrid County
       Sulfur Dioxide (2010)*New Madrid County, MO
    Reynolds County
       Lead (2008)
                           *Iron, Dent, and Reynolds Counties, MO
    St. Charles County
       8-Hour Ozone (2015) St. Louis, MO-IL - (Moderate)
    St. Louis County
       8-Hour Ozone (2015) St. Louis, MO-IL - (Moderate)
    St. Louis city
       8-Hour Ozone (2015) St. Louis, MO-IL - (Moderate)
MONTANA
    Lake County
       PM-10 (1987)
                           *Lake County; Polson, MT - (Moderate)
       PM-10 (1987)
                           *Lake County; Ronan, MT - (Moderate)
    Rosebud County
       PM-10 (1987)
                           *Rosebud County; Lame Deer, MT - (Moderate)
    Yellowstone County
       Sulfur Dioxide (1971)*Laurel Area (Yellowstone County), MT
NEVADA
    Clark County
       8-Hour Özone (2015) *Las Vegas, NV - (Moderate)
NEW JERSEY
    Atlantic County
       8-Hour Ozone (2008) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Marginal)
       8-Hour Ozone (2015) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Moderate)
    Bergen County
       8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Severe 15)
       8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
    Burlington County
       8-Hour Ozone (2008) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Marginal)
       8-Hour Ozone (2015) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Moderate)
    Camden County
       8-Hour Ozone (2008) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Marginal)
       8-Hour Ozone (2015) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Moderate)
    Cape May County
       8-Hour Ozone (2008) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Marginal)
       8-Hour Ozone (2015) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Moderate)
    Cumberland County
       8-Hour Ozone (2008) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Marginal)
       8-Hour Ozone (2015) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Moderate)
    Essex County
       8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Severe 15)
       8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
    Gloucester County
       8-Hour Ozone (2008) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Marginal)
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8-Hour Ozone (2015) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Moderate)
    Hudson County
       8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Severe 15)
       8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
    Hunterdon County
       8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Severe 15)
       8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
       8-Hour Ozone (2008) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Marginal)
       8-Hour Ozone (2015) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Moderate)
    Middlesex County
       8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Severe 15)
       8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
    Monmouth County
       8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Severe 15)
       8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
       8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Severe 15)
       8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
    Ocean County
       8-Hour Ozone (2008) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Marginal)
       8-Hour Ozone (2015) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Moderate)
    Passaic County
       8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Severe 15)
       8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
    Salem County
       8-Hour Ozone (2008) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Marginal)
       8-Hour Ozone (2015) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Moderate)
    Somerset County
       8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Severe 15)
       8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
    Sussex County
       8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Severe 15)
       8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
    Union County
       8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Severe 15)
       8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
    Warren County
       8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Severe 15)
       8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
NEW MEXICO
    Dona Ana County
       PM-10 (1987)
                           *Dona Ana County; Anthony, NM - (Moderate)
       8-Hour Ozone (2015) *El Paso-Las Cruces, TX-NM - (Marginal)
NEW YORK
    Bronx County
       8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Severe 15)
       8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
    Chautauqua County
       8-Hour Ozone (2008) Jamestown, NY - (Marginal)
    Kings County
       8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Severe 15)
       8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
    Nassau County
       8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Severe 15)
       8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
    New York County
       PM-10 (1987)
                            New York County, NY - (Moderate)
       8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Severe 15)
       8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
    Queens County
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8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Severe 15)
       8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
    Richmond County
       8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Severe 15)
       8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
    Rockland County
       8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Severe 15)
       8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
    St. Lawrence County
       Sulfur Dioxide (2010)*St. Lawrence County, NY
    Suffolk County
       8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Severe 15)
       8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
    Westchester County
       8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Severe 15)
       8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Moderate)
OHIO
    Cuyahoga County
       8-Hour Ozone (2015) Cleveland, OH - (Moderate)
    Geauga County
       8-Hour Ozone (2015) Cleveland, OH - (Moderate)
    Lake County
       8-Hour Ozone (2015) Cleveland, OH - (Moderate)
    Lorain County
       8-Hour Ozone (2015) Cleveland, OH - (Moderate)
    Medina County
       8-Hour Ozone (2015) Cleveland, OH - (Moderate)
    Morgan County
       Sulfur Dioxide (2010)*Muskingum River, OH
    Portage County
       8-Hour Ozone (2015) Cleveland, OH - (Moderate)
    Stark County
       Lead (2008)
                           *Canton-Stark County, OH
    Summit County
       8-Hour Ozone (2015) Cleveland, OH - (Moderate)
    Washington County
       Sulfur Dioxide (2010)*Muskingum River, OH
OREGON
    Klamath County
       PM-2.5 (2006)
                           *Klamath Falls, OR - (Moderate)
PENNSYLVANIA
    Allegheny County
       PM-2.5 (1997)
                           *Liberty-Clairton, PA - (Moderate)
       PM-2.5 (2006)
                           *Liberty-Clairton, PA - (Moderate)
       PM-2.5 (2012)
                            Allegheny County, PA - (Moderate)
       Sulfur Dioxide (2010)*Allegheny, PA
       8-Hour Ozone (2008) Pittsburgh-Beaver Valley, PA - (Marginal)
    Armstrong County
       Sulfur Dioxide (1971)*Armstrong County: Madison, Mahoning, Boggs, Washington, Pine, PA
       Sulfur Dioxide (2010)*Indiana, PA
       8-Hour Ozone (2008) Pittsburgh-Beaver Valley, PA - (Marginal)
    Beaver County
       Lead (2008)
                           *Lower Beaver Valley, PA
       Sulfur Dioxide (2010)*Beaver, PA
       8-Hour Ozone (2008) Pittsburgh-Beaver Valley, PA - (Marginal)
    Berks County
       Lead (2008)
                           *Lyons, PA
                           *North Reading, PA
       Lead (2008)
       8-Hour Ozone (2008) Reading, PA - (Marginal)
    Bucks County
       8-Hour Ozone (2008) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Marginal)
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8-Hour Ozone (2015) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Moderate)
    Butler County
       8-Hour Ozone (2008) Pittsburgh-Beaver Valley, PA - (Marginal)
    Carbon County
       8-Hour Ozone (2008) Allentown-Bethlehem-Easton, PA - (Marginal)
    Chester County
       8-Hour Ozone (2008) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Marginal)
       8-Hour Ozone (2015) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Moderate)
    Delaware County
       8-Hour Ozone (2008) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Marginal)
       8-Hour Ozone (2015) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Moderate)
    Favette County
       8-Hour Ozone (2008) Pittsburgh-Beaver Valley, PA - (Marginal)
    Indiana County
       Sulfur Dioxide (2010) Indiana, PA
    Lancaster County
        8-Hour Ozone (2008) Lancaster, PA - (Marginal)
    Lehigh County
       8-Hour Ozone (2008) Allentown-Bethlehem-Easton, PA - (Marginal)
    Montgomery County
       8-Hour Ozone (2008) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Marginal)
       8-Hour Ozone (2015) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Moderate)
    Northampton County
       8-Hour Ozone (2008) Allentown-Bethlehem-Easton, PA - (Marginal)
    Philadelphia County
       8-Hour Ozone (2008) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Marginal)
       8-Hour Ozone (2015) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Moderate)
    Warren County
       Sulfur Dioxide (2010)*Warren, PA
    Washington County
       8-Hour Ozone (2008) Pittsburgh-Beaver Valley, PA - (Marginal)
    Westmoreland County
       8-Hour Ozone (2008) Pittsburgh-Beaver Valley, PA - (Marginal)
PUERTO RICO
    Arecibo Municipio
       Lead (2008)
                           *Arecibo, PR
    Bayamon Municipio
       Sulfur Dioxide (2010)*San Juan, PR
    Catano Municipio
       Sulfur Dioxide (2010) San Juan, PR
    Guaynabo Municipio
       Sulfur Dioxide (2010)*San Juan, PR
    Salinas Municipio
       Sulfur Dioxide (2010)*Guayama-Salinas, PR
    San Juan Municipio
       Sulfur Dioxide (2010)*San Juan, PR
    Toa Baja Municipio
       Sulfur Dioxide (2010)*San Juan, PR
TENNESSEE
    Sullivan County
       Sulfur Dioxide (2010)*Sullivan County, TN
TEXAS
    Anderson County
       Sulfur Dioxide (2010)*Freestone and Anderson Counties, TX
    Bexar County
       8-Hour Ozone (2015) San Antonio, TX - (Moderate)
    Brazoria County
       8-Hour Ozone (2008) Houston-Galveston-Brazoria, TX - (Severe 15)
       8-Hour Ozone (2015) Houston-Galveston-Brazoria, TX - (Moderate)
    Chambers County
       8-Hour Ozone (2008) Houston-Galveston-Brazoria, TX - (Severe 15)
```

```
8-Hour Ozone (2015) Houston-Galveston-Brazoria, TX - (Moderate)
Collin County
   8-Hour Ozone (2008) Dallas-Fort Worth, TX - (Severe 15)
   8-Hour Ozone (2015) Dallas-Fort Worth, TX - (Moderate)
Dallas County
   8-Hour Ozone (2008) Dallas-Fort Worth, TX - (Severe 15)
   8-Hour Ozone (2015) Dallas-Fort Worth, TX - (Moderate)
Denton County
   8-Hour Ozone (2008) Dallas-Fort Worth, TX - (Severe 15)
   8-Hour Ozone (2015) Dallas-Fort Worth, TX - (Moderate)
El Paso County
   PM-10 (1987)
                       *El Paso County, TX - (Moderate)
   8-Hour Ozone (2015) El Paso-Las Cruces, TX-NM - (Marginal)
Ellis County
   8-Hour Ozone (2008) Dallas-Fort Worth, TX - (Severe 15)
   8-Hour Ozone (2015) Dallas-Fort Worth, TX - (Moderate)
Fort Bend County
   8-Hour Ozone (2008) Houston-Galveston-Brazoria, TX - (Severe 15)
   8-Hour Ozone (2015) Houston-Galveston-Brazoria, TX - (Moderate)
Freestone County
   Sulfur Dioxide (2010)*Freestone and Anderson Counties, TX
Galveston County
   8-Hour Ozone (2008) Houston-Galveston-Brazoria, TX - (Severe 15)
   8-Hour Ozone (2015) Houston-Galveston-Brazoria, TX - (Moderate)
Harris County
   8-Hour Ozone (2008) Houston-Galveston-Brazoria, TX - (Severe 15)
   8-Hour Ozone (2015) Houston-Galveston-Brazoria, TX - (Moderate)
Howard County
   Sulfur Dioxide (2010)*Howard County, TX
Hutchinson County
   Sulfur Dioxide (2010)*Hutchinson County, TX
Johnson County
   8-Hour Ozone (2008) Dallas-Fort Worth, TX - (Severe 15)
   8-Hour Ozone (2015) Dallas-Fort Worth, TX - (Moderate)
Kaufman County
   8-Hour Ozone (2008) Dallas-Fort Worth, TX - (Severe 15)
   8-Hour Ozone (2015) Dallas-Fort Worth, TX - (Moderate)
Liberty County
   8-Hour Ozone (2008) Houston-Galveston-Brazoria, TX - (Severe 15)
Montgomery County
   8-Hour Ozone (2008) Houston-Galveston-Brazoria, TX - (Severe 15)
   8-Hour Ozone (2015) Houston-Galveston-Brazoria, TX - (Moderate)
Navarro County
   Sulfur Dioxide (2010)*Navarro County, TX
Panola County
   Sulfur Dioxide (2010)*Rusk and Panola Counties, TX
Parker County
   8-Hour Ozone (2008) Dallas-Fort Worth, TX - (Severe 15)
   8-Hour Ozone (2015) Dallas-Fort Worth, TX - (Moderate)
Rockwall County
   8-Hour Ozone (2008) Dallas-Fort Worth, TX - (Severe 15)
Rusk County
   Sulfur Dioxide (2010)*Rusk and Panola Counties, TX
Tarrant County
   8-Hour Ozone (2008) Dallas-Fort Worth, TX - (Severe 15)
   8-Hour Ozone (2015) Dallas-Fort Worth, TX - (Moderate)
Titus County
   Sulfur Dioxide (2010)*Titus County, TX
Waller County
   8-Hour Ozone (2008) Houston-Galveston-Brazoria, TX - (Severe 15)
Wise County
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8-Hour Ozone (2008) Dallas-Fort Worth, TX - (Severe 15)
       8-Hour Ozone (2015) Dallas-Fort Worth, TX - (Moderate)
UTAH
    Box Elder County
       PM-2.5 (2006)
                           *Salt Lake City, UT - (Serious)
    Davis County
       PM-2.5 (2006)
                            Salt Lake City, UT - (Serious)
       8-Hour Ozone (2015) Northern Wasatch Front, UT - (Moderate)
    Duchesne County
       8-Hour Ozone (2015) *Uinta Basin, UT - (Marginal)
    Salt Lake County
       PM-2.5 (2006)
                            Salt Lake City, UT - (Serious)
       Sulfur Dioxide (1971) Salt Lake County, UT
       8-Hour Ozone (2015) Northern Wasatch Front, UT - (Moderate)
    Tooele County
       PM-2.5 (2006)
                           *Salt Lake City, UT - (Serious)
       Sulfur Dioxide (1971)*Tooele County, UT
       8-Hour Ozone (2015) *Northern Wasatch Front, UT - (Moderate)
    Uintah County
       8-Hour Ozone (2015) *Uinta Basin, UT - (Marginal)
    Utah County
       PM-2.5 (2006)
                           *Provo, UT - (Serious)
       8-Hour Ozone (2015) *Southern Wasatch Front, UT - (Marginal)
    Weber County
       PM-2.5 (2006)
                           *Salt Lake City, UT - (Serious)
       8-Hour Ozone (2015) *Northern Wasatch Front, UT - (Moderate)
VIRGINIA
    Alexandria city
       8-Hour Ozone (2015) Washington, DC-MD-VA - (Moderate)
    Arlington County
       8-Hour Ozone (2015) Washington, DC-MD-VA - (Moderate)
    Fairfax County
       8-Hour Ozone (2015) Washington, DC-MD-VA - (Moderate)
    Fairfax city
       8-Hour Ozone (2015) Washington, DC-MD-VA - (Moderate)
    Falls Church city
       8-Hour Ozone (2015) Washington, DC-MD-VA - (Moderate)
    Giles County
       Sulfur Dioxide (2010)*Giles County, VA
    Loudoun County
       8-Hour Ozone (2015) Washington, DC-MD-VA - (Moderate)
    Manassas Park city
       8-Hour Ozone (2015) Washington, DC-MD-VA - (Moderate)
    Manassas city
       8-Hour Ozone (2015) Washington, DC-MD-VA - (Moderate)
    Prince William County
       8-Hour Ozone (2015) Washington, DC-MD-VA - (Moderate)
WASHINGTON
    Whatcom County
       Sulfur Dioxide (2010)*Whatcom County, WA
WISCONSIN
    Kenosha County
       8-Hour Ozone (2015) *Chicago, IL-IN-WI - (Moderate)
    Milwaukee County
       8-Hour Ozone (2015) Milwaukee, WI - (Moderate)
    Ozaukee County
       8-Hour Ozone (2015) Milwaukee, WI - (Moderate)
    Racine County
       8-Hour Ozone (2015) *Milwaukee, WI - (Moderate)
    Sheboygan County
       8-Hour Ozone (2015) *Sheboygan County, WI - (Moderate)
```

Washington County 8-Hour Ozone (2015) *Milwaukee, WI - (Moderate) Waukesha County 8-Hour Ozone (2015) *Milwaukee, WI - (Moderate)

WYOMING

Lincoln County

8-Hour Ozone (2008) *Upper Green River Basin Area, WY - (Marginal)

Sublette County

8-Hour Ozone (2008) Upper Green River Basin Area, WY - (Marginal)

Sweetwater County
8-Hour Ozone (2008) *Upper Green River Basin Area, WY - (Marginal)

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2024-06-30

ENCLOSURE E COASTAL ZONE MANAGEMENT

Coastal Barrier Resources (CEST and EA)

General requirements	Legislation	Regulation	
HUD financial assistance may not be	Coastal Barrier Resources Act		
used for most activities in units of	(CBRA) of 1982, as amended		
the Coastal Barrier Resources	by the Coastal Barrier		
System (CBRS). See 16 USC 3504 for	Improvement Act of 1990 (16		
limitations on federal expenditures	USC 3501)		
affecting the CBRS.			
References			
https://www.hudexchange.info/environmental-review/coastal-barrier-resources			

Projects located in the following states must complete this form.

Alabama	Georgia	Massachusetts	New Jersey	Puerto Rico	Virgin Islands
Connecticut	Louisiana	Michigan	New York	Rhode Island	Virginia
Delaware	Maine	Minnesota	North Carolina	South Carolina	Wisconsin
Florida	Maryland	Mississippi	Ohio	Texas	

1. Is the project located in a CBRS Unit?

\boxtimes No \rightarrow	Based on the response, the review is in compliance with this section. Continue to the
	Worksheet Summary below. Provide a map showing that the site is not within a CBRS Unit.

 \square Yes \rightarrow Continue to Question 2.

<u>Federal assistance for most activities may not be used at this location. You must either choose an alternate site or cancel the project.</u> In very rare cases, federal monies can be spent within CBRS units for certain exempted activities (e.g., a nature trail), after consultation with the Fish and Wildlife Service (FWS) (see <u>16 USC 3505</u> for exceptions to limitations on expenditures).

2. Indicate your selected course of action.

Project cannot proceed at this location.

\square After consultation with the FWS the project was given approval to continue
o Based on the response, the review is in compliance with this section. Continue to the
Worksheet Summary below. Provide a map and documentation of a FWS approval.
☐ Project was not given approval

Worksheet Summary

Compliance Determination

Provide a clear description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your region

Form is not required – Kentucky is not listed as a state that must complete this form.
Are formal compliance steps or mitigation required?
☐ Yes
⊠ No

ENCLOSURE F CONTAMINATION AND TOXIC SUBSTANCES

OMB No. 2506-0177 (exp.2/28/2025)



U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WASHINGTON, DC 20410-1000

This Worksheet was designed to be used by those "Partners" (including Public Housing Authorities, consultants, contractors, and nonprofits) who assist Responsible Entities and HUD in preparing environmental reviews, but legally cannot take full responsibilities for these reviews themselves. Responsible Entities and HUD should use the RE/HUD version of the Worksheet.

Contamination and Toxic Substances (Multifamily and Non-Residential Properties) – PARTNER

https://www.hudexchange.info/programs/environmental-review/site-contamination

1.	How was site contamination evaluated? 1 Select all that apply.
	□ ASTM Phase I ESA
	☐ ASTM Phase II ESA
	☐ Remediation or clean-up plan
	☑ ASTM Vapor Encroachment Screening
	☐ None of the above
	→ Provide documentation and reports and include an explanation of how site contamination
	was evaluated in the Worksheet Summary.
	Continue to Question 2.
2.	Were any on-site or nearby toxic, hazardous, or radioactive substances found that could affect
	the health and safety of project occupants or conflict with the intended use of the property?
	(Were any recognized environmental conditions or RECs identified in a Phase I ESA and
	confirmed in a Phase II ESA?)
	⊠ No → Explain below.
	A Phase I Environmental Site Assessment was conducted in accordance with the ASTM
	E1527-21 standard by Linebach Funkhouser and dated July 22, 2024. No REC, CRECs, or
	HRECs were found during the Phase I ESA.
	ightarrow If the RE/HUD agrees with this recommendation, the review is in compliance with
	this section. Continue to the Worksheet Summary below.
	\square Yes $ o$ Describe the findings, including any recognized environmental conditions
	(RECs), in Worksheet Summary below. Continue to Question 3.
3.	Can adverse environmental impacts be mitigated?

¹ HUD regulations at 24 CFR § 58.5(i)(2)(ii) require that the environmental review for multifamily housing with five or more dwelling units or non-residential property include the evaluation of previous uses of the site or other evidence of contamination on or near the site. For acquisition and new construction of multifamily and nonresidential properties HUD strongly advises the review include an ASTM Phase I Environmental Site Assessment (ESA) to meet real estate transaction standards of due diligence and to help ensure compliance with HUD's toxic policy at 24 CFR §58.5(i) and 24 CFR §50.3(i). Also note that some HUD programs require an ASTM Phase I ESA.

	Adverse environmental impacts cannot feasibly be mitigated → <u>HUD assistance may not be</u> used for the project at this site. Project cannot proceed at this location.
\boxtimes	Yes, adverse environmental impacts can be eliminated through mitigation. → Provide all mitigation requirements² and documents. Continue to Question 4.
Vo ins	scribe how compliance was achieved. Include any of the following that apply: State luntary Clean-up Program, a No Further Action letter, use of engineering controls ³ , or use of titutional controls ⁴ . ick here to enter text.
	remediation plan or clean-up program was necessary, which standard does it follow? Complete removal
\times	Risk-based corrective action (RBCA)

Worksheet Summary

4.

Provide a full description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers

→ Continue to the Worksheet Summary.

• Any additional requirements specific to your program or region

Include all documentation supporting your findings in your submission to HUD.

There are no structures at the site currently. Radon testing will occur on the structure(s) once they are complete. All onsite structures will be designed with active radon mitigation systems.

HEROS Worksheet attached as slight different including Radon Requirements.

² Mitigation requirements include all clean-up actions required by applicable federal, state, tribal, or local law. Additionally, provide, as applicable, the long-term operations and maintenance plan, Remedial Action Work Plan, and other equivalent documents.

³ Engineering controls are any physical mechanism used to contain or stabilize contamination or ensure the effectiveness of a remedial action. Engineering controls may include, without limitation, caps, covers, dikes, trenches, leachate collection systems, signs, fences, physical access controls, ground water monitoring systems and ground water containment systems including, without limitation, slurry walls and ground water pumping systems.

⁴ Institutional controls are mechanisms used to limit human activities at or near a contaminated site, or to ensure the effectiveness of the remedial action over time, when contaminants remain at a site at levels above the applicable remediation standard which would allow for unrestricted use of the property. Institutional controls may include structure, land, and natural resource use restrictions, well restriction areas, classification exception areas, deed notices, and declarations of environmental restrictions.

HEROS Home Guide to HEROS

Assign Review

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radon mitigation plan. 0

occur following construction.

Can all adverse environmental impacts be mitigated?

Initial Screen

Project Summary

Level of Review Determination

Project Justification

Related Laws and Authorities

Environmental Assessment Factors

Environmental Assessment Analysis

Mitigation Measures and Conditions

Final Screen

RROF (7015.15)

2076 - Contamination and Toxic Substances	(Multifamily and Non-Residentia
Properties) (50/58)	

Project Name: Harper-Village---Madisonville,-KY

roperties) (50/56)		madisonville,-KT
General Requirements	Legislation	Regulation
is HUD policy that all properties that are being roposed for use in HUD programs be free of azardous materials, contamination, toxic hemicals and gases, and radioactive ubstances, where a hazard could affect the ealth and safety of the occupants or conflict vith the intended utilization of the property.	(none)	24 CFR 58.5(i)(2) 24 CFR 50.3(i)
Reference		
ttps://www.onecpd.info/environmental-review	/site-contamination	
lote that if you change answers on this screen, m ext question.	ake sure to press "Next" button in order for the in	formation to save and proceed to the appropriate
1. How was site contamination evaluated? • \$	Select all that apply.	
Jpload documentation and reports and explai	n evaluation of site contamination in the Scre	en Summary at the conclusion of this screen
ASTM Phase I ESA		
ASTM Phase II ESA		
Remediation or clean-up plan		
ASTM Vapor Encroachment Screening		
None of the above		
○ No *Explain:		
	ment was conducted in accordance with the AST uly 22, 2024. No REC, CRECs, or HRECs were f	
Based on the response, the review is	in compliance with this section. Continue to the R	adon Exempt Question.
Yes		
3. Evaluate the building(s) for radon. Do all bu analysis listed in CPD Notice CPD-23-103?	ildings meet any of the exemptions 0 from ha	ving to consider radon in the contamination
Yes		
○ No		
Is the proposed project new construction obuilding construction has not been completed	r substantial rehabilitation where testing will b !?	e conducted but cannot yet occur because
Yes		
	oned on post-construction testing being conducte ion plan, must be uploaded to the mitigation secti	
○No		
B. Mitigation		
_	the requirements of the appropriate federal, s	state tribal or local oversight agency if the
adverse environmental impacts cannot be mit		

For instances where radon mitigation is required (i.e. where test results demonstrated radon levels at 4.0 pCi/L and above), then you must include a

Yes, all adverse environmental impacts can be eliminated through mitigation, and/or consideration of radon and radon mitigation, if needed, wi

No, all adverse environmental impacts cannot feasibly be mitigated. Project cannot proceed at this location.

Thorne an initigation requirements of and documents in the object outliniary at the bottom of this screen.
9. Describe how compliance was achieved. Include any of the following that apply: State Voluntary Clean-up Program, a No Further Action letter, use of engineering controls 0, or use of institutional controls 0.
* Explain:
There are no structures at the site currently. Radon testing will occur on the structure(s) once they are complete. All onsite structures will be designed with active radon mitigation systems.
If a remodiation plan or clean up program was passessary which standard does it fallow?
If a remediation plan or clean-up program was necessary, which standard does it follow? Complete removal
Risk-based corrective action (RBCA)
Other
Continue to the Screen Summary at the bottom of this screen.
Continue to the Screen Summary at the bottom of this screen.
Next
Screen Summary
Compliance Determination
·
Describe the basis that led to your determination here, identifying all key elements from your support documentation that substantiate you determination. The following minimum language is based on your responses in this section. You are strongly encouraged to edit this language to provide a clear description of your determination and a synopsis of the information that it was based on, such as:
Map panel numbers and dates
Names of all consulted parties and relevant consultation dates
Names of plans or reports and relevant page numbers
Any additional requirements specific to your region
Site contamination was evaluated as follows: ASTM Phase I ESA, ASTM Vapor Encroachment Screening. On-site or nearby toxic, hazardous, or radioactive substances that could affect the health and safety of project occupants or conflict with the intended use of the property were not found. Radon analysis indicated elevated levels of radon or consideration of radon will occur following construction. Adverse radon impacts can be mitigated. With mitigation, identified in the mitigation section of this review, the project will be in compliance with contamination and toxic substances requirements. Additionally, active radon mitigation systems will be installed during construction. Post-construction confirmation sampling for radon will occur to document the system is functioning as designed. If elevated radon is indicated at the time of the post-construction testing, additional mitigation and confirmation sampling activities will be conducted.
Supporting documentation
Upload all supporting documents required in this section here: Upload File
Phase I ESA Harper Village Madisonville KY 7 22 24.pdf 💢
Are formal compliance steps or mitigation required? Only Responsible Entity (for Part 58) or HUD (for Part 50) Users may respond to this question. Ensure that this question is complete before finalizing the review.
Yes
○ No

Save and Return to Summary

Cancel Review

PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT



Proposed Harper Village 445 Browning Street Madisonville, Hopkins County, Kentucky

July 22, 2024

Prepared by:





July 22, 2024

Mr. Anthony Elmore Wabuck Development Co., Inc. 100 Wabuck Drive Leitchfield, KY 42754

> Phase I Environmental Site Assessment Report Re:

Proposed Harper Village 445 Browning Street

Madisonville, Hopkins County, KY 42431 Linebach Funkhouser Project 032-24 T2

Dear Mr. Elmore:

Linebach Funkhouser, Inc. (LFI) has completed the enclosed Phase I Environmental Site Assessment Report for the above-referenced property. The assessment activities included a site reconnaissance, interviews with persons knowledgeable about the site, a review of available literature, maps, historical information, and a review of the local, state and federal regulatory agency files regarding the site. The attached report documents the conditions encountered during the assessment and presents our summary and recommendations relative to the site.

We appreciate the opportunity to provide our services to you. Please contact us if you have any questions or comments regarding this submittal, or if we can be of additional service to you.

Sincerely,

Jason P. Boston **Project Scientist**

R. William Johnston, P.G.

Principal Geologist

Enclosure

EXECUTIVE SUMMARY

Linebach Funkhouser, Inc. (LFI) has completed a Phase I Environmental Site Assessment (ESA) of the property located at 445 Browning Street in Madisonville, Kentucky. This ESA was prepared in accordance with the scope and limitations of ASTM's *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (ASTM E1527-21). Results of the assessment, including a site reconnaissance, a review of historical information, a review of federal, state and local records, as well as interviews with persons knowledgeable about the site, are summarized as follows:

Report Section	Environmental Related Item	Description	REC		
	SITE/AREA DESCRIPTION				
2.6	Current Use of Property	Undeveloped	NO		
2.7	Current Use of Adjoining Properties	Residential, apartments, church	NO		
	SITE HISTORY A	ND HISTORICAL RECORDS REVIEW			
3.1	Past Uses of Property	Undeveloped with few barn structures	NO		
3.2	Past Uses of Adjoining Properties	Residential, undeveloped	NO		
	ENVIRON	MENTAL RECORDS REVIEW			
4.1	Subject Property	No listings	NO		
4.1	Adjoining Properties	No listings	NO		
4.2	Listings within Established Search Radii	1 listing	NO		
4.3	Vapor Encroachment Screen	Does not exist	NO		
	SITE RECONNAISSANCE				
5.2	Haz. Substances/Waste and Petroleum Products	None observed	NO		
5.3	Storage Tanks (UST/AST)	None observed	NO		
5.8	Pits, ponds and lagoons	None observed	NO		
5.9	Stained soil/pavement	None observed	NO		
5.11	Waste Generation, Storage, and Disposal	None observed	NO		
5.13	Wells	None observed or reported	NO		
		INTERVIEWS			
6.1	Site Representative	Based on historical and regulatory documentation utilized throughout this assessment, no interviews were made with property representatives throughout the course of this assessment.	NO		
6.3	Local Government Officials	Hopkins County PVA KDEP-USTB	NO		

Report Section	Environmental Related Item	Description	REC		
	NON-SCOPE CONSIDERATIONS				
7.1	Asbestos Containing Materials (ACMs)	No structures exist; therefore, the presence of ACM and LBP is considered unlikely. No survey was	N/A		
7.2	Lead Based Paint (LBP)	completed.			
7.3	Undefined Emerging Contaminants	No obvious indications of potential contaminants, not currently defined by CERCLA, such as PFAS or biologically derived byproducts were identified.	N/A		
	USER F	ROVIDED INFORMATION			
8.1	Env. Liens / AULs	None provided for review.	NO		
9.0 I		DATA GAPS	NO		
10.0 FINDING		DINGS AND OPINIONS	NO		
Recognized Environmental Conditions (RECs) None Iden					
Historical Recognized Environmental Conditions (HRECs)		None Identified			
Controlled Recognized Environmental Conditions (CRECs)		None Identified			
De Minimis Conditions		None Identified			

Conclusions and Recommendations

This assessment has revealed no evidence of *recognized environmental conditions* in connection with the property. Therefore, no further assessment is recommended.

This Executive Summary provides a summation of the results of the Phase I ESA and is not intended to be all-inclusive. The complete report lists the procedures used during our assessment and provides our conclusions and recommendations regarding the site.

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Appendix B – Historical Research Documentation

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Appendix D – User Questionnaire

1.0 INTRODUCTION

Linebach Funkhouser, Inc. (LFI) was retained by Wabuck Development Group (the Client), to conduct a Phase I Environmental Site Assessment (ESA) of the undeveloped property located at 445 Browning Street in Madisonville, Kentucky (the "subject property"). This assessment was completed as part of due diligence activities in relation to a real estate transaction.

1.1 Purpose

The purpose of this ESA was to document current and historical information on the subject property and surrounding areas in order to identify *recognized environmental conditions* (RECs), defined in ASTM E1527-21 as the presence or likely presence of any hazardous substances or petroleum products in, on, or at the property: (1) due to a release to the environment; (2) under conditions indicative of a likely release to the environment; or (3) under conditions that pose a material threat of a future release to the environment.

The term is not intended to include *de minimis* conditions, defined in ASTM E1527-21 as a condition related to a release that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be *de minimis* conditions are not *recognized environmental conditions* nor *controlled recognized environmental conditions*.

The term *historical recognized environmental condition* (HREC), is defined by ASTM E1527-21 as a past release of any hazardous substances or petroleum products that has occurred affecting the property and has been addressed to the satisfaction of the applicable regulatory authority (as evidenced by the issuance of a no further action letter or other equivalent closure documentation) and meeting the current unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (e.g., property use restriction, activity and use limitations, institutional controls, or engineering controls).

The term *controlled recognized environmental condition* (CREC), is defined by ASTM E1527-21 as an REC resulting from a past release of hazardous substances or petroleum products affecting the property and has been addressed to the satisfaction of the applicable regulatory authority (e.g.,

as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (e.g., property use restrictions, activity and use limitations, institutional controls, or engineering controls or other property use limitations).

1.2 Scope of Work

This ESA was conducted utilizing standard practices consistent with ASTM E1527-21. Any significant scope-of-work additions, deletions, or deviations to ASTM E1527-21 are noted below or in the corresponding sections of this report. The scope-of-work for this ESA included an evaluation of the following:

- General physical setting characteristics of the subject property and immediate vicinity through a review of one or more referenced sources, including topographic and geologic maps, soils and hydrologic reports.
- Historical usage of the subject property, adjoining properties, and surrounding area through a review of reasonably ascertainable sources such as land title records, fire insurance maps, city directories, aerial photographs, property tax files, prior environmental assessment reports, and interviews.
- Current land use and existing conditions of the subject property including observations
 and interviews regarding the use, treatment, storage, disposal or generation of
 hazardous substances, petroleum products and hazardous, regulated, or medical
 wastes; equipment that is known or likely to contain PCBs; storage tanks and drums;
 wells, drains and sumps; and pits, ponds or lagoons.
- Current land use of adjoining and surrounding area properties and the likelihood of known or suspected releases of hazardous substances or petroleum products to impact the subject property.
- Environmental regulatory database information and local environmental records within specified minimum search distances.

Unless otherwise identified in the report, the scope-of-work for this ESA did not include a consideration of the following potential environmental conditions that are outside the scope of ASTM Practice E1527-21 including but not limited to: asbestos-containing building materials, biological agents, cultural and historic resources, ecological resources, endangered species, health and safety, indoor air quality (unrelated to releases of hazardous substances or petroleum products

into the environment), industrial hygiene, lead-based paint, lead in drinking water, mold, radon, regulatory compliance, emerging contaminants, and wetlands.

1.3 Terms and Conditions

This Phase I ESA was performed on behalf of, and solely for the exclusive use of the Client. No other company, entity, or person shall have any rights with regard to LFI's contract with the Client including but not limited to indemnification by LFI, or any rights of reliance on the findings, conclusions, and recommendations of this or any subsequent reports regarding the subject property.

In accordance with ASTM E1527-21 provisions, this report is presumed to be valid for up to one year prior to the date of acquisition or transaction of the property. This presumption assumes that the report components, listed in the table below, are updated within 180 days prior to the intended date of purchase or prior to the dated of transaction of the property.

Critical Dates

Phase I ESA Components	Date Completed
Environmental Lien Search	Not Provided For Review
Radius Report	June 12, 2024
Visual Inspection property and surrounding properties	June 23, 2024
Declaration by Environmental Professional	July 18, 2024

1.4 Assumptions, Limitations and Exceptions

This ESA was prepared in accordance with the scope and limitations of ASTM's *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (ASTM E1527-21), recognized by the U.S. Environmental Protection Agency (USEPA) as compliant with *Standards and Practices for All Appropriate Inquiries* (AAI) promulgated at 40 CFR Part 312.

This Phase I Environmental Site Assessment has been prepared to assess the property with respect to hazardous substances defined in the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (42 U.S.C. §9601), and petroleum products. As such, this assessment is intended to permit the Client to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on

CERCLA liability: that is, the practices that constitute "all appropriate inquiry into the previous ownership and uses of the subject property consistent with good commercial or customary practice" as defined in 42 USC §9601 (35)(B).

LFI conducted this ESA using reasonable efforts to identify recognized environmental conditions on the subject property. Findings within this report are based on the information obtained during the site reconnaissance, the electronic regulatory file review, a review of historical records, interviews, and from reasonably ascertainable and publicly available information obtained from public agencies and other referenced sources. The presence of recognized environmental conditions on a site may not always be apparent; consequently, the completion of a Phase I ESA cannot provide a guarantee that recognized environmental conditions do not exist in connection with a site.

This report is not definitive and should not be assumed to be a complete or specific determination of all conditions above or below grade. Current subsurface conditions may differ from the conditions indicated by surface observations or historical sources and can be most reliably evaluated through intrusive techniques that were beyond the scope of this ESA. Information in this report is not intended for use as a construction document and should not be used for demolition, renovation, or other construction purposes. LFI makes no representation or warranty that the past or current operations at the site are, or have been, in compliance with applicable federal, state and local laws, regulations and codes.

Environmental Data Resources, Inc. (EDR), an independent environmental data research company, provided the records from the government agency databases referenced in this report. Information regarding surrounding area properties was requested for the specified minimum search distances and was assumed to be correct and complete unless obviously contradicted by LFI's observations or other credible referenced sources reviewed during the ESA. LFI is not a professional title insurance or land surveying firm and makes no guarantee, explicit or implied, that any land title records acquired or reviewed, or any physical descriptions or depictions of the site in this report, represent a comprehensive definition or precise delineation of property ownership or boundaries.

2.0 SITE DESCRIPTION

The location, description, and current uses of the subject property, as well as surrounding properties are presented in the following sections.

2.1 Location and Description

The subject property consists of a portion of two contiguous parcels identified by the Hopkins County Property Valuation Administration as #M-21-3-3-1 and # M-21-3-3-3. The parcels are currently owned by Deeper Life Pentecostal and Star Rental, Inc. respectively. A site location map is provided in **Figure 1** and an aerial photograph depicting the site and surrounding property use is provided in **Figure 2**. Site photographs are included in **Appendix A**.

2.2 Structures / Improvements

The subject property is undeveloped and grass-covered.

2.3 Municipal Services and Utilities

Properties in the vicinity are serviced by the following municipal services and private utilities:

Utility	Provider		
Potable Water Supply			
Sewage Disposal	Madisonville Municipal Utilities		
Electricity			
Natural Gas	Atmos Energy		

2.4 Roads

The property is located to the north of W. Noel Avenue, to the east of Wiman Drive and to the west of Browning Street. No publicly owned roads are located on the property.

2.5 Topography and Drainage

A review of the *Madisonville West, KY* United States Geological Survey (USGS) Topographic Quadrangle (2022) indicates a surface elevation for the subject property averages approximately 432 feet above the National Geodetic Vertical Datum (NGVD) of 1929 (approximately mean sea level). A copy of the topographic map is provided in **Figure 1** and **Appendix B**. According to the United States Department of Agriculture (USDA) Soil Conservation Service (SCS), the dominant

soil composition in the vicinity of the subject property is classified as Loring, a moderately well-drained silt loam.

Major hydrogeologic features such as a river or lake generally influence regional groundwater flow direction. Surface and/or bedrock topography may also influence regional groundwater flow direction. Based on information gathered during the site visit, the topography of the land, and information contained in the Environmental Data Resources, Inc. (EDR) report, the direction of surface and groundwater flow is interpreted to be west with the local topographic gradient towards Greasy Creek tributaries located on the northwest portion of the site and farther west.

2.6 Current Use of Property

The subject property is undeveloped.

2.7 Current Use of Adjoining Properties

Nearby property usage could potentially impact the surface and subsurface conditions of a site. Developing a history of past to present uses or occupancies can provide an indication of the likelihood of environmental concern. An aerial photograph illustrating the surrounding property-use relative to the subject property is included as **Figure 2**. A general description of surrounding land use is as follows:

Current Use of Adjoining Properties

Direction	Description				
North	North Undeveloped, residential				
South	South W. Noel Avenue (KY-1178), residential				
East Praise Temple Apostolic Church, residential, Browning Street					
West	Wiman Gardens Apartments, Wiman Drive				

3.0 SITE HISTORY AND HISTORICAL RECORDS REVIEW

Historical information about the subject property, based on an evaluation of available records reviewed during the Phase I, is included in the following sections.

3.1 Past Uses of Property

LFI attempted to determine the historical use of the subject property dating back to 1940 or the first developed use. The following table summarizes the historical use of the subject property:

Historical Use Summary

Subject Property					
Period	Period				
1909 - Present	Undeveloped, a former lake known as Kington Lake was located on the central portion of the property until the 1970s.	Topographic Maps Aerial Photographs			

3.2 Past Uses of Adjoining Properties

Residential properties have historically adjoined the subject property to the north, south and east. The church adjoining to the southeast was developed in the mid-1990s and the apartment complex to the southwest was developed in 2020.

3.3 Topographic Maps

Historical topographic maps provide information related to physical land configuration such as elevation, ground slope, surface water and other features. While most buildings in densely developed urban centers are not depicted, topographic maps typically show structures equal to or larger than the size of a single-family residence in rural areas. A search for historical topographic maps of the subject property and surrounding area was conducted by EDR and provided to LFI in a *Historical Topographic Map Report* dated June 12, 2024. Topographic maps were provided for various years between 1909 and 2022. A copy of the EDR *Historical Topographic Map Report* is included in **Appendix B** and summarized as follows:

Historical Topographic Maps

Year	Issues Noted	Observations
1909	No	Subject Property: Predominately undeveloped, two small structures are depicted on the northeast portion of the property.
1911	No	Surrounding Properties: Predominately undeveloped to the north, south and west. W. Noel Avenue and Browning Street are present. Sparse small structures are depicted to the east.
1954		Subject Property: Predominately undeveloped, Kington Lake is present.
- 1963	No	Surrounding Properties: Shaded incorporated areas of Madisonville are shown to the south and east. Undeveloped areas and few structures are shown to the northwest and farther west.

Historical Topographic Maps

Year	Issues Noted	Observations
2013(1)	No	Subject Property: No structures or identifying features are shown.
2022		Surrounding Properties: Major roads and highways are shown, no individual structures.

⁽¹⁾ Beginning with the 2010 map updates, the USGS elected to omit building footprints, urban designations, and other points of interest from topographic map updates.

3.4 Aerial Photographs

Aerial photographs are generally of very small scale and only provide a general idea of activity in the area. Aerial photographs are instantaneous records and their usefulness is limited because they do not necessarily reflect the condition of a site before or after the photographs were taken. A search for aerial photographs of the subject property and surrounding area was conducted by EDR and provided to LFI in an *Aerial Photo Decade Package* dated June 13, 2024. Aerial photographs were provided for various years from 1950 to 2020. A copy of the EDR *Aerial Photo Report* is included in **Appendix B** and a summary is presented in the following table:

Aerial Photographs

Year	Issues Noted	Observations					
4050		Subject Property: Undeveloped, Lake Kington is observed.					
1950 - 1993	No	Surrounding Properties: Bordering roads are present and residential properties adjoin the property to the north and east. Residential structures are observed directly to the south across W. Noel Avenue with commercial developments farther to the SW and SE.					
1998		Subject Property: Undeveloped					
2020	No	Surrounding Properties: Adjoining properties are developed similar to their present-day configuration. The adjoining church is initially observed in the 1998 aerial photo. The apartment complex to the SW is observed in the 2020 aerial.					

3.5 Sanborn Fire Insurance Maps

A search for Sanborn fire insurance maps for the subject property and surrounding area was conducted by EDR and provided to LFI in a *Certified Sanborn Map Report*, dated June 12, 2024. Fire insurance maps were unavailable for the subject property and surrounding areas. A copy of the report stating "Unmapped Property" is provided in **Appendix B**.

3.6 City Directories

A search of historical city directories for the subject property and surrounding properties was conducted by EDR and provided to LFI in a *City Directory Abstract* dated June 15, 2024. City directories along Nortonville Road were available for various years between 1992 and 2020. The subject property was not included in any of the directory listings. A copy of the report is provided in **Appendix B**.

EDR maintains several proprietary databases of "high risk historical records" to aid in identification of businesses (e.g. – auto stations, dry cleaners, etc.) commonly associated with potential environmental concerns. Nearby listings appearing on regulatory databases are summarized in the following sections.

4.0 ENVIRONMENTAL RECORDS REVIEW

An electronic database search of files maintained by the U. S. EPA and the Kentucky Department for Environmental Protection (KDEP) was conducted by EDR on June 12, 2024 to evaluate the regulatory history of the subject property and surrounding properties. The search of standard federal, state, and tribal regulatory agency databases was conducted to (1) identify listings for the subject property and adjoining properties and (2) evaluate sites within applicable ASTM E1527-21 and AAI defined search radii that could cause actual or potential environmental impacts to the subject property. A summary of the results of the regulatory agency database search is provided in the following table:

Regulatory Database Search Summary

Regulatory Database	Minimum Search Distance	Property Listed?	# Sites Listed
Federal National Priority List (NPL)	1 Mile	No	0
Federal De-Listed NPL	½ Mile	No	0
Federal CERCLIS	½ Mile	No	0
Federal CERCLIS NFRAP	½ Mile	No	1
Federal RCRA CORRACTS	1 Mile	No	0
Federal RCRA non-CORRACTS TSD	½ Mile	No	0
Federal RCRA Generators	1/4 Mile	No	0
Federal Institutional/Engineering Control Registry	½ Mile	No	0
Federal ERNS	1/4 Mile	No	0

Regulatory Database Search Summary

Regulatory Database	Minimum Search Distance	Property Listed?	# Sites Listed
State/Tribal Haz. Waste Sites (NPL/CERCLIS)	1 Mile	No	9
State/Tribal Landfill or Solid Waste Disposal Sites	½ Mile	No	1
State/Tribal Leaking Storage Tank Lists	½ Mile	No	0
State/Tribal Registered Storage Tank Lists	1/4 Mile	No	6
State/Tribal Institutional/Engineering Control Registry	½ Mile	No	0
State/Tribal Voluntary Cleanup Sites	½ Mile	No	0
Federal/State Brownfield Sites	½ Mile	No	0

The fact that sites do or do not appear on a list does not necessarily indicate that an environmental concern exists. In addition, sites may not be mapped in a list search due to inaccuracy of owner/operator records, government records, or errors occurring during conversion of the data by informational sources. A copy of the EDR report that includes a detailed description of each database and the results of the database inquiries is provided in **Appendix C**.

4.1 Listings for Subject Site or Adjoining Properties

The EDR database search did not identify the subject property or any adjoining properties on ASTM / AAI required databases.

4.2 Listings within Established Search Radii

One (1) property within a 0.1-mi. radius of the subject property was identified on an ASTM/AAI database as follows:

Sharkey's Westside Service (Sharkey's)

Address: 820 W. Noel Street (0.16-mile SSW across W. Noel) - downgradient

Relative Elevation: Higher

ASTM/AAI Databases: UST (AI# 65664) Non-ASTM/AAI Databases: EDR Hist Auto

Database Summary:

<u>UST</u> – According to EDR and KDEP Underground Storage Tank Branch (USTB), the following UST systems are were formerly located on the property:

Tank #	Status	Install Year	Removal Year	Tank Contents	Capacity (gallons)	Ta nk Material	Spill/Leak Detection
1	Classed In				1,000		
2	Closed-In- Place	14/h	N/A	Gasoline	500	Single Wall Steel	No
3	Flace						
4	Domoved	Linknown	2011		1,000	Sieei	
5	Removed	Unknown	n 2011		1,000		

KDEP issued a No Further Action (NFA) letter dated June 15, 2011 for Tanks # 4 & # 5 following the removal and submittal of a Closure Assessment Report (CAR) conducted by West Kentucky Environmental Services, LLC. It is reported that tanks # 1, # 2 and # 3 were closed in place in 1986 and no assessment has been completed for these systems. Groundwater flow direction is interpreted to be to the west and away from the subject property. Based on available information as well as this property being located across W. Noel Avenue, this site does not represent a recognized environmental condition (REC).

No additional upgradient sites with the potential to negatively impact the property were identified within a 0.1-mile radius of the subject property.

The EDR environmental records search also provides a list of "orphan" sites, which are properties identified on ASTM/AAI required databases but that could not be mapped due to poor or inaccurate address information. EDR's records search listed two (2) orphan sites located along Island Park Drive and Laffoon Trail. These sites are located farther to the northeast and to the west and not in the vicinity of the subject property.

4.3 Vapor Encroachment Screen

LFI conducted a Vapor Encroachment Screen (VES) utilizing the Tier 1 methodology provided in ASTM's Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions (E2600-15). The Tier 1 methodology in E2600-15 was utilized in order to identify a Vapor Encroachment Condition (VEC), which is "the presence or likely presence of chemicals of concern (COC) (i.e. – petroleum hydrocarbons and/or chlorinated solvents) vapors in the vadose zone of the subject property caused by the release of vapors from contaminated soil and/or groundwater either on or near the subject property". Information provided by EDR was reviewed to identify facilities within the Area of Concern (AOC) to evaluate whether contamination at nearby properties could represent a vapor encroachment condition (VEC) on the Site. The AOC

for chlorinated solvents is defined in ASTM E2600-15 as the area within 1/3 mile of the property boundaries. For facilities at which the only COCs are petroleum hydrocarbons, the AOC includes the area within 0.1 mile of the property boundaries.

A review of historical use information and regulatory database documentation collected in the course of this Phase I ESA did not identify obvious evidence of COC that may migrate as vapors onto the subject property as a result of contaminated soil and/or groundwater known to be present on or near the subject property. Therefore, our opinion based on the Tier 1 VES is that a VEC does not exist on the property.

5.0 SITE RECONNAISSANCE

A site reconnaissance was conducted on June 23, 2024 by Mr. Jason Boston, Project Scientist, with LFI. Mr. Boston was unaccompanied during the site reconnaissance.

5.1 Site Reconnaissance Methodologies

The purpose of the reconnaissance was to gather information regarding the environmental conditions at the subject property and surrounding areas. The site reconnaissance consisted of visual observations of the subject property and any existing improvements, adjoining properties as viewed from the subject property, and observations of nearby properties made from public thoroughfares.

At the time of the site reconnaissance, weather conditions were partly cloudy and approximately 85° Fahrenheit. No limiting conditions were present. Photographs taken during the site reconnaissance, depicting site conditions at the time of the visit, are provided in **Appendix A**.

5.2 Hazardous Substances/Waste and Petroleum Products

No obvious indications of generation, use, storage, treatment, or disposal of hazardous substances/wastes or petroleum products were observed during site reconnaissance.

5.3 Underground Storage Tanks (USTs) & Aboveground Storage Tanks (ASTs)

The site reconnaissance included a search for physical features such as fill ports, slumped pavement/ground surface, patched pavement, and evidence of underground piping or pump

stations commonly associated with the current or historical presence of storage tanks. The absence of common physical features cannot completely rule out the current or historical existence of storage tanks. Site characteristics such as overgrown vegetation, new pavement, or past renovation/construction/demolition activities may prevent the identification of storage tanks.

5.3.1 Underground Storage Tanks (USTs)

No evidence of current or former USTs was observed or reported during site reconnaissance.

5.3.2 Aboveground Storage Tanks (ASTs)

No evidence of current or former ASTs was observed during site reconnaissance.

5.4 Odors

No strong, pungent or noxious odors were noticed during the site reconnaissance.

5.5 Drums and Containers

No obvious indications of drums or containers were observed during the site reconnaissance.

5.6 Polychlorinated Biphenyls (PCBs)

Polychlorinated biphenyls (PCBs) are organic compounds that have been used extensively in electrical capacitors and transformers, lighting ballasts, hydraulic fluids, heat exchange fluids, lubricants, inks, sealants, adhesives and surface coatings since development in 1929. PCB production was banned in the U.S. in 1979 due to health and environmental hazards. Under the Toxic Substances Control Act (TSCA), as outlined in Title 40 of the Code of Federal Regulations (CFR) Part C, 761, the owners of PCB containing equipment are responsible for environmental impairment and liabilities caused by leakage of PCBs to the environment.

No equipment with the potential to contain PCBs was observed during the site reconnaissance.

5.7 Drains and Sumps

No evidence of drains or sumps was observed during the site reconnaissance.

5.8 Pits, Ponds, and Lagoons

No obvious evidence of pits, ponds or lagoons used for waste treatment or disposal was observed or reported during the site reconnaissance.

5.9 Stained Soil / Pavement

No obvious evidence of stained soil was noticed during the site reconnaissance.

5.10 Stressed Vegetation

No obvious areas of stressed vegetation were observed on the site.

5.11 Waste Generation, Storage, and Disposal

No obvious evidence of improper waste generation or storage was observed during the site reconnaissance.

5.12 Waste Water

No obvious evidence of process waste water discharge into a drain, ditch, or stream was observed on the subject property during the site reconnaissance.

5.13 Wells

No wells were observed or reported on the subject property. The EDR Physical Settings map identified no wells on the subject property.

5.14 Septic Systems

No septic systems were observed or reported on the subject property.

6.0 INTERVIEWS

The following interviews were conducted during the assessment in an effort to obtain information indicating potential RECs in connection with the subject property.

6.1 Property Representative

Based on historical and regulatory documentation utilized throughout this assessment, no interviews were made with property representatives throughout the course of this assessment.

6.2 Occupants

The subject property is unoccupied.

6.3 Local Government Officials

Hopkins County PVA records and the Kentucky Department for Environmental Protection were utilized as part of this assessment.

7.0 NON-SCOPE CONSIDERATIONS

The following sections address environmental issues or conditions on the subject property that are outside the scope of ASTM E1527-21. Substances or materials may be present on the subject property that may lead to contamination of the subject property but are not defined by CERCLA as hazardous substances.

7.1 Asbestos Containing Materials (ACMs)

Asbestos is a general term for a group of fibrous minerals (primarily chrysotile, amosite and crocidolite) that have long been used as fireproof insulation and as a strengthener in pipe insulation, roofing tiles, floor tiles, wall coverings and other materials. Undisturbed asbestos-containing material (ACM) is not dangerous; however, when ACM is broken or torn, as during remodeling or demolition, the fibers can be spread into the air, especially if the material is friable. A friable material, by definition, is one that can be crushed, crumbled, pulverized, or reduced by hand pressure when dry. Due to health hazards, ACM use has been phased out since approximately 1978. The U.S. EPA classifies ACM as any material which contains more than 1% asbestos by Polarized Light Microscopy (PLM) analysis.

No structures currently exist; therefore, the presence of ACM is unlikely to exist. No survey was completed.

7.2 Lead-Based Paint (LBP)

Use of lead in household paint was banned by the U.S. EPA effective January 1, 1978. The U.S. EPA and the U.S. Department of Housing and Urban Development (HUD) define lead-based paint (LBP) as any paint that contains 1.0 mg/cm² or higher of lead by x-ray fluorescence (XRF) analysis or 0.5% (5,000 ppm) lead by weight.

No structures currently exist; therefore, the presence of LBP is considered unlikely. No survey was completed.

7.3 Undefined Emerging Contaminants

"Emerging contaminants" (ECs) are substances not currently defined as hazardous under CERCLA, that non-environmental professionals and others may assume to be "hazardous." ECs include biologically derived by-products such as methane and substances about which human understanding is evolving, such as per and polyfluoralkyl substances (PFAS).

No specific sources of biologically derived by-products or PFAS were identified from the site reconnaissance or review of historical and radius data.

8.0 USER PROVIDED INFORMATION

In accordance with the ASTM E1527-21 and AAI standards, the user of this ESA, Wabuck Development Group (the Client), may obtain information through other due diligence activities associated with the pending property transaction that could help identify the possibility of potential environmental conditions in connection with the subject property. A copy of the completed AAI questionnaire is included in **Appendix E**.

8.1 Environmental Liens or Activity and Use Limitations

The Client reported no information regarding environmental liens or use limitations in connection with the subject property.

8.2 Common/Specialized Knowledge or Experience

The Client reported no information regarding common/specialized knowledge or experience relative to the subject property.

8.3 Reasons for Significantly Lower Purchase Price

The Client reported that the purchase price reasonably reflects the fair market value of the property.

9.0 DATA GAPS

No data gaps as defined by ASTM E1527-21, (i.e. considered to have significantly affected the ability to identify recognized environmental conditions in connection with the subject property) were identified during completion of this assessment. A site owner was not provided for interview. However, based on the available information and the site being undeveloped, LFI does not consider this to be a significant data gap.

10.0 FINDINGS AND OPINIONS

The following summarizes known or suspected RECs, HRECs, CRECs, *de minimis* conditions, and non-scope environmental conditions in connection with the subject property based on information collected during the assessment. For each condition, LFI provides an opinion of the impact on the site based on an evaluation of the results of record reviews, site reconnaissance work and interviews performed as part of this assessment. LFI also provides a rationale for concluding that an environmental condition is or is not a REC.

Recognized Environmental Conditions (REC)

This assessment has revealed no evidence of RECs in connection with the subject property.

Historical Recognized Environmental Conditions (HREC)

This assessment has revealed no evidence of HRECs in connection with the subject property.

Controlled Recognized Environmental Conditions (CREC)

This assessment has revealed no evidence of CRECs in connection with the subject property.

De Minimis Conditions

No de minimis conditions were observed in connection with the subject property.

Non-Scope Environmental Conditions

No non-scope environmental conditions were observed in connection with the subject property.

11.0 CONCLUSIONS AND RECOMMENDATIONS

LFI has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-21 of the property located at 445 Browning Street in Madisonville, Kentucky, the subject property. Any exceptions to, or deletions from, this practice were described in this report. This assessment has revealed no evidence of *recognized environmental conditions* in connection with the property. Therefore, no further assessment is recommended.

12.0 CERTIFICATION OF ENVIRONMENTAL PROFESSIONAL

LFI has the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in §312.10 of this part.

Charles Bacher	July 22, 2024
Environmental Professional	Date

13.0 REFERENCES

Environmental Data Resources, Inc. *The EDR Radius Map Report Harper Village, 445 Browning Street Madisonville, KY 42431. Inquiry Number: 7679837.2s.* June 12, 2024.

Environmental Data Resources, Inc. EDR Historical Topographic Map Report Harper Village, 445 Browning Street Madisonville, KY 42431. Inquiry Number: 7679837.4. June 12, 2024.

Environmental Data Resources, Inc. EDR Aerial Photo Decade Package Harper Village, 445 Browning Street Madisonville, KY 42431. Inquiry Number: 7679837.8. June 13, 2024.

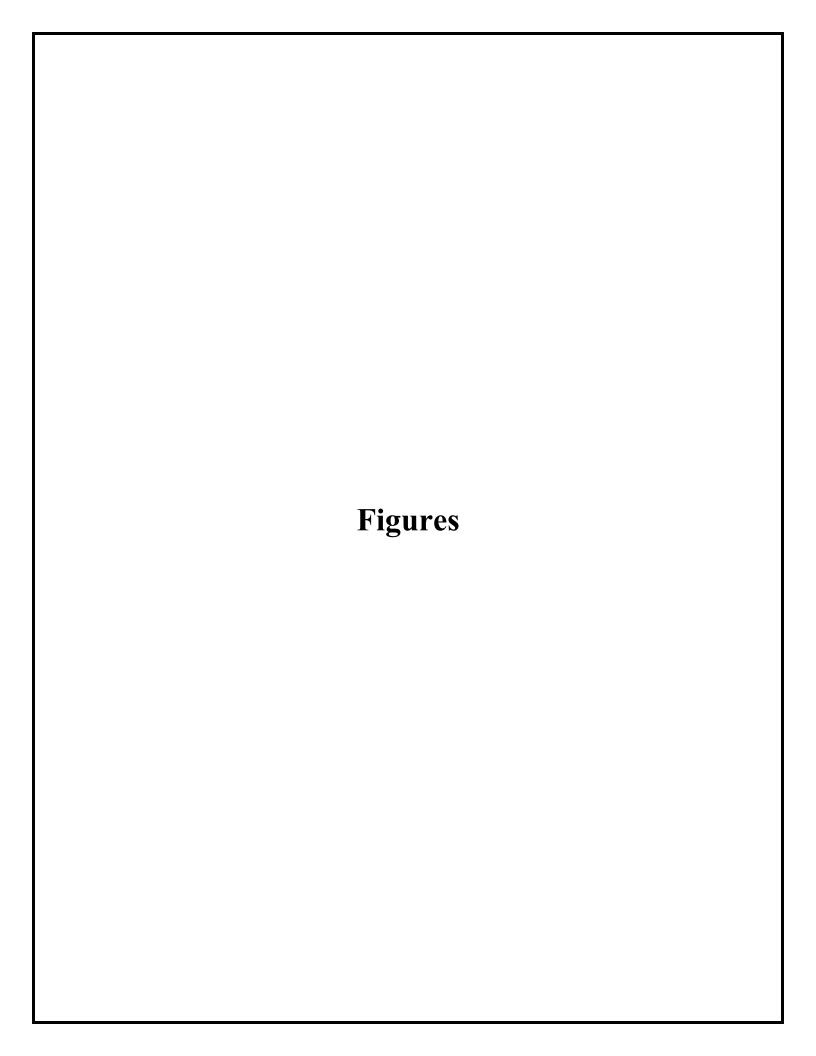
Environmental Data Resources, Inc. Certified Sanborn Map Report Harper Village, 445 Browning Street Madisonville, KY 42431. Inquiry Number: 7679837.3. June 12, 2024.

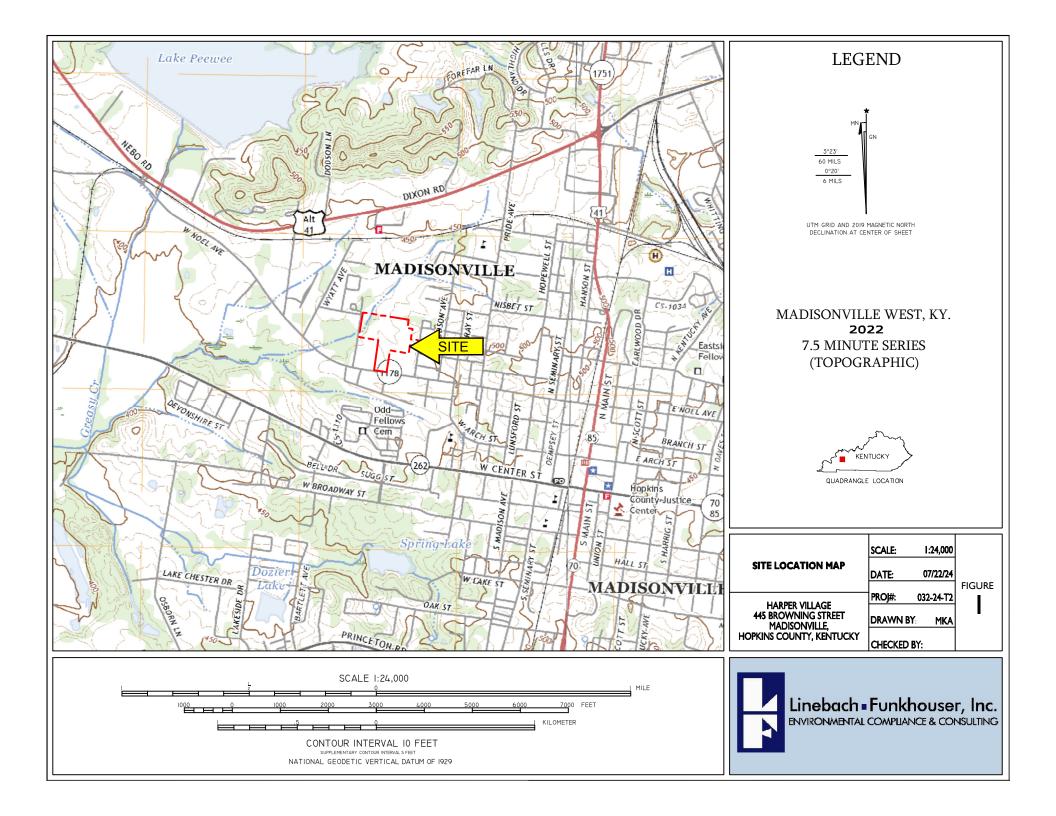
July 22, 2024 LFI Project No.: 032-24 T2

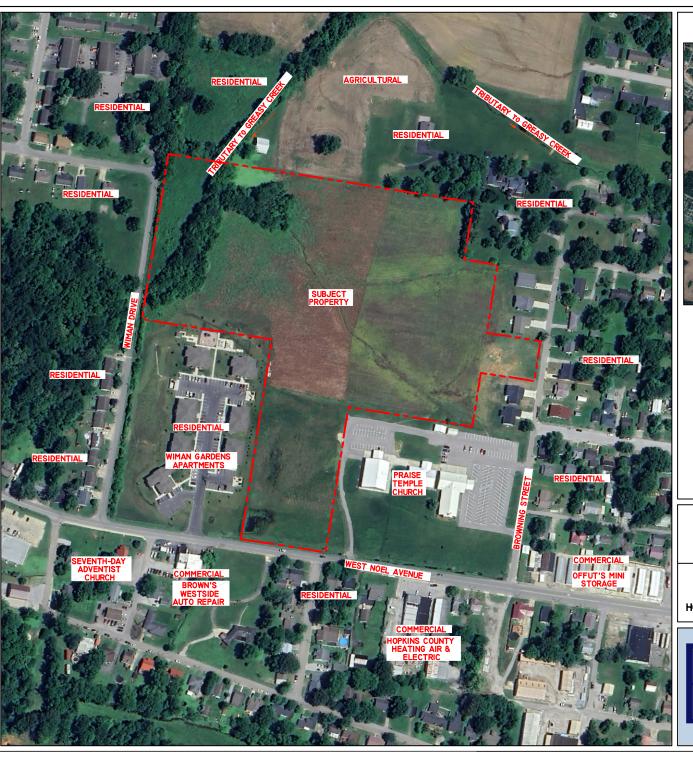
Environmental Data Resources, Inc. EDR City Directory Image Report Harper Village, 445
Browning Street Madisonville, KY 42431. Inquiry Number: 7679837.5. June 15, 2024.

Hopkins County PVA 2024.

Kentucky Department of Environmental Protection.







LEGEND



PROPERTY BOUNDARY





SOURCE: Google Earth, Imagery Date: May 16, 2023.

AERIAL PHOTOGRAPH	
SHOWING	
SITE AND VICINITY	
SITE AND VICINITY	

07/22/24 DATE: PROJ#:

SCALE:

FIGURE

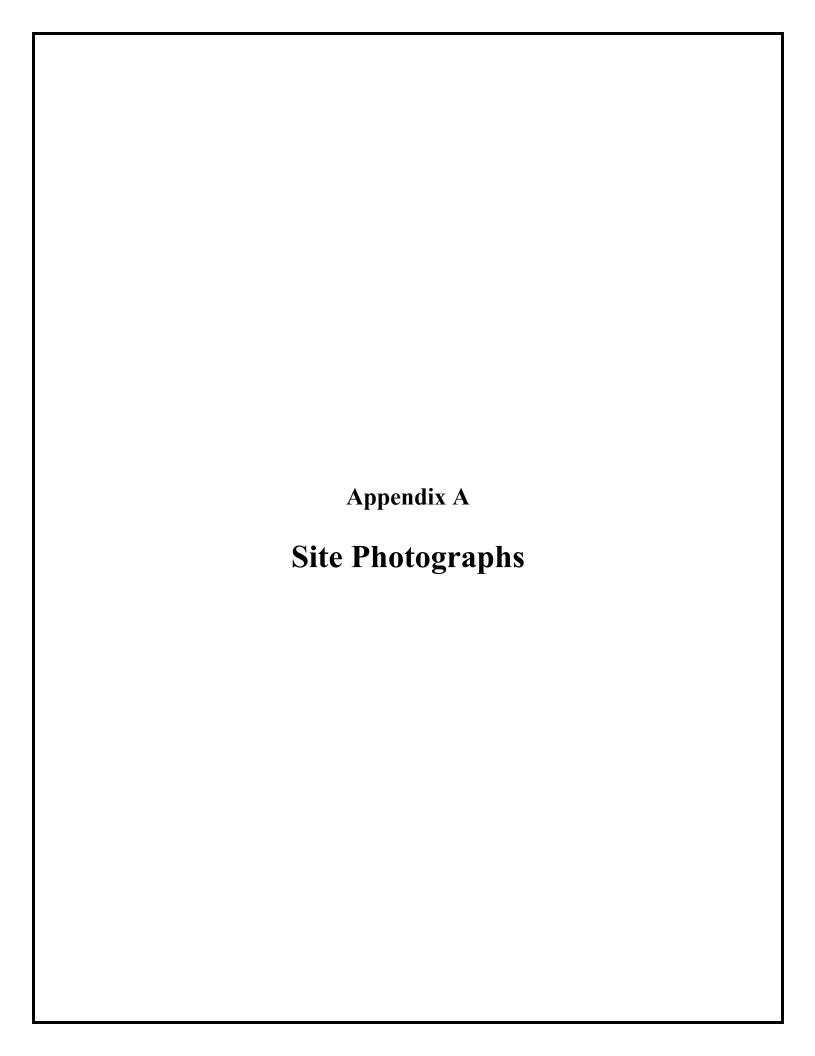
HARPER VILLAGE 445 BROWNING STREET MADISONVILLE, HOPKINS COUNTY, KENTUCKY

032-24-T2 DRAWN BY: MKA

1"=300'

CHECKED BY:







Photographic Record

Client: Wabuck Development Group Site Name: Proposed Harper Village

Project Number: 032-24 T2 Site Location: 445 Browning Street Madisonville, KY

Photo Number:

1

Photographer:

Jason Boston

Date:

June 23, 2024

Direction:

East

Comments:

View of adjoining church property.



Photo Number:

2

Photographer:

Jason Boston

Date:

June 23, 2024

Direction:

Northeast

Comments:

View across Browing Street.





Photographic Record

Client: Wabuck Development Group Site Name: Proposed Harper Village

Project Number: 032-24 T2 Site Location: 445 Browning Street Madisonville, KY

Photo Number:

3

Photographer:

Jason Boston

Date:

June 23, 2024

Direction:

North

Comments:

View of the eastern portion of the subject property.



Photo Number:

4

Photographer:

Jason Boston

Date:

June 23, 2024

Direction:

West

Comments:

View toward the adjoining apartment complex.





Photographic Record

Client: Wabuck Development Group Site Name: Proposed Harper Village

Project Number: 032-24 T2 Site Location: 445 Browning Street Madisonville, KY

Photo Number:

5

Photographer:

Jason Boston

Date:

June 23, 2024

Direction:

South

Comments:

View of the southern portion of the subject property.



Photo Number:

6

Photographer:

Jason Boston

Date:

June 23, 2024

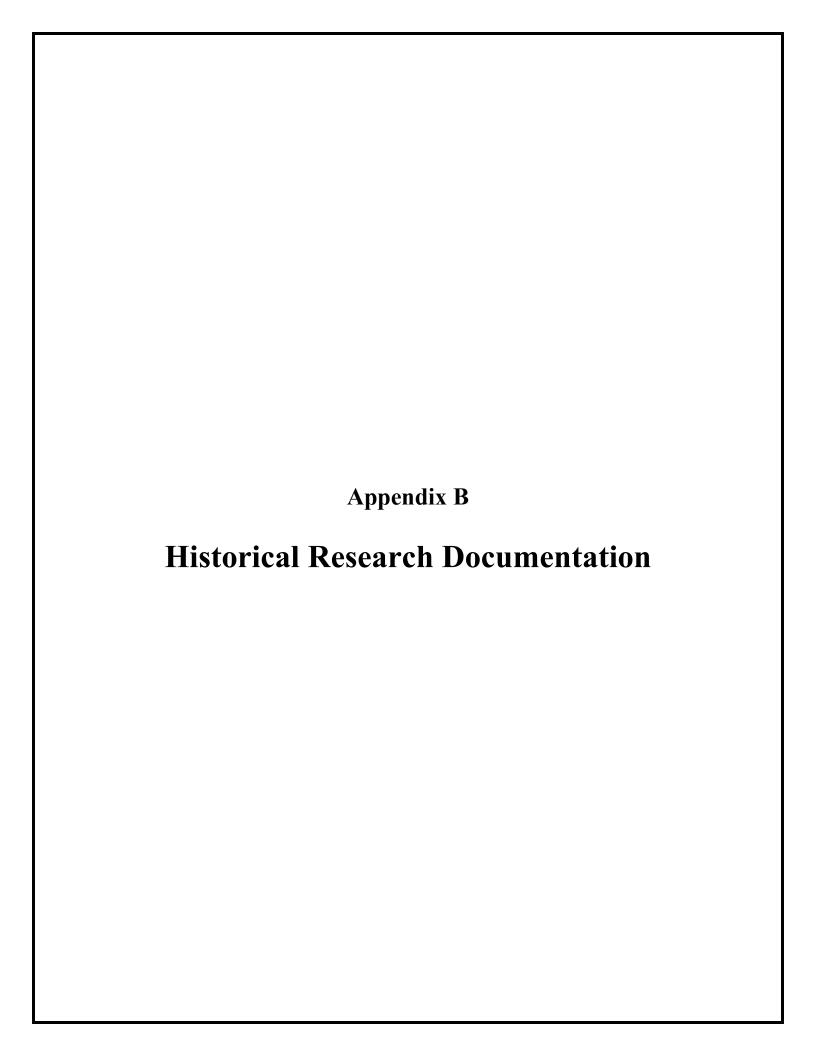
Direction:

Southwest

Comments:

View across W. Noel Avenue.





Harper Village 445 Browning Street Madisonville, KY 42431

Inquiry Number: 7679837.4

June 12, 2024

EDR Historical Topo Map Report

with QuadMatch™



EDR Historical Topo Map Report

06/12/24

Site Name: Client Name:

Harper Village 445 Browning Street Madisonville, KY 42431 EDR Inquiry # 7679837.4 Linebach Funkhouser Inc. 114 Fairfax Ave Louisville, KY 40207 Contact: Eric Altobellis



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Linebach Funkhouser Inc. were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:		Coordinates:	
P.O.#	032-24 Task 2	Latitude:	37.336643 37° 20' 12" North
Project:	Harper Village	Longitude:	-87.513446 -87° 30' 48" West
-	. •	UTM Zone:	Zone 16 North
		UTM X Meters:	454517.62
		UTM Y Meters:	4132341.94
		Elevation:	432.58' above sea level

Maps Provided:

2022

2019

2016

2013

1962, 1963

1954

1909

1907

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2022 Source Sheets



Madisonville West 2022 7.5-minute, 24000



Madisonville East 2022 7.5-minute, 24000

2019 Source Sheets



Madisonville West 2019 7.5-minute, 24000



Madisonville East 2019 7.5-minute, 24000

2016 Source Sheets



Madisonville West 2016 7.5-minute, 24000



Madisonville East 2016 7.5-minute, 24000

2013 Source Sheets



Madisonville West 2013 7.5-minute, 24000



Madisonville East 2013 7.5-minute, 24000

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1962, 1963 Source Sheets



Madisonville West 1962 7.5-minute, 24000 Aerial Photo Revised 1962



Madisonville East 1963 7.5-minute, 24000 Aerial Photo Revised 1950

1954 Source Sheets



Earlington 1954 15-minute, 62500 Aerial Photo Revised 1952

1909 Source Sheets



Madisonville 1909 15-minute, 62500



Earlington 1909 15-minute, 62500

1907 Source Sheets



Earlington 1907 15-minute, 48000

SW

S

NW N NE
TP, Madisonville West, 2022, 7.5-minute
E, Madisonville East, 2022, 7.5-minute

E

SITE NAME: Harper Village
ADDRESS: 445 Browning Street

0.25

0 Miles

Madisonville, KY 42431

CLIENT: Linebach Funkhouser Inc.

0.5



1.5

SW

S

W

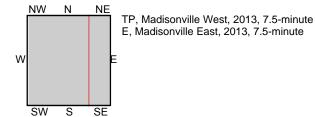
SW

S

Madisonville, KY 42431

CLIENT:

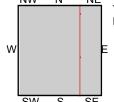
Linebach Funkhouser Inc.



SITE NAME: Harper Village ADDRESS: 445 Browning Street

Madisonville, KY 42431

CLIENT: Linebach Funkhouser Inc.



TP, Madisonville West, 1962, 7.5-minute E, Madisonville East, 1963, 7.5-minute

0 Miles 0.25 0.5 1 1.5

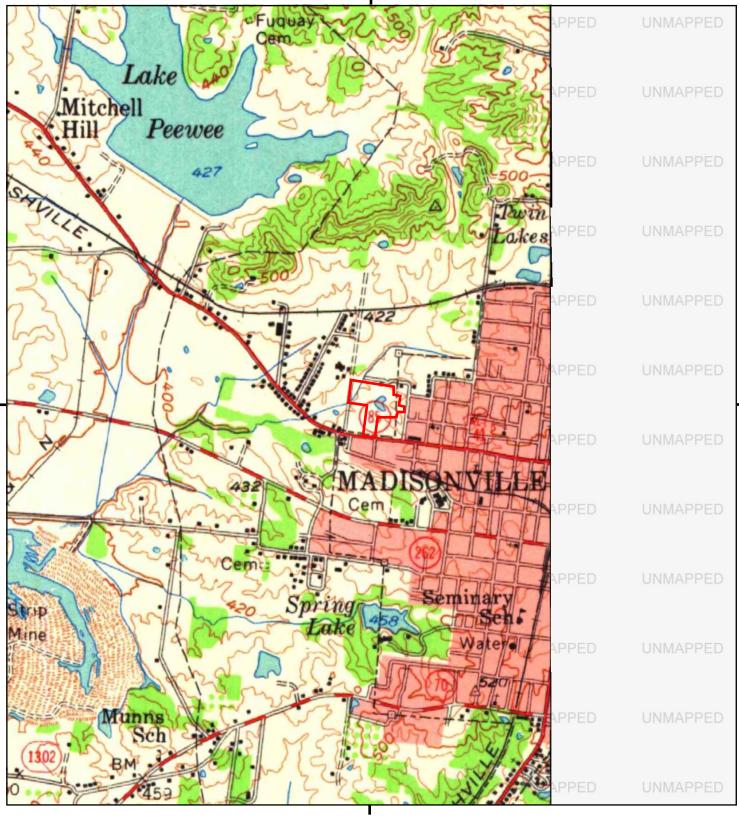
SITE NAME: Harper Village ADDRESS: 445 Browning Street

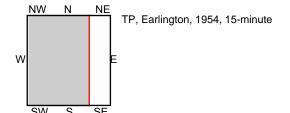
Madisonville, KY 42431

CLIENT: Linebach Funkhouser Inc.









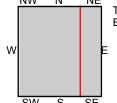
0 Miles 0.25 0.5 1 1.5

SITE NAME: Harper Village ADDRESS: 445 Browning Street

Madisonville, KY 42431

CLIENT: Linebach Funkhouser Inc.





TP, Earlington, 1909, 15-minute E, Madisonville, 1909, 15-minute

SITE NAME: Harper Village
ADDRESS: 445 Browning Stree

0.25

0 Miles

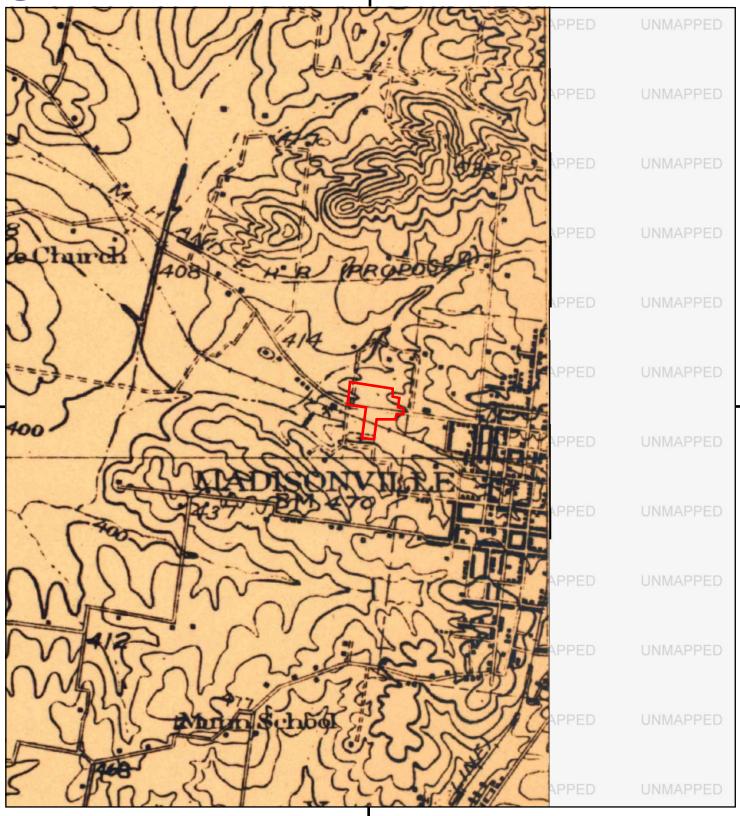
445 Browning Street Madisonville, KY 42431

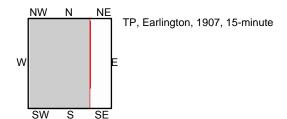
CLIENT: Linebach Funkhouser Inc.

0.5

1.5







0 Miles 0.25 0.5 1.5

> SITE NAME: Harper Village 445 Browning Street ADDRESS:

Madisonville, KY 42431

Linebach Funkhouser Inc. CLIENT:



Harper Village

445 Browning Street Madisonville, KY 42431

Inquiry Number: 7679837.8

June 13, 2024

The EDR Aerial Photo Decade Package



EDR Aerial Photo Decade Package

06/13/24

Site Name: Client Name:

Harper Village Linebach Funkhouser Inc.
445 Browning Street 114 Fairfax Ave
Madisonville, KY 42431 Louisville, KY 40207



Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Contact: Eric Altobellis

Search Results:

EDR Inquiry # 7679837.8

Year	Scale	Details	Source
			
2020	1"=500'	Flight Year: 2020	USDA/NAIP
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2008	1"=500'	Flight Year: 2008	USDA/NAIP
1998	1"=500'	Acquisition Date: April 02, 1998	USGS/DOQQ
1993	1"=500'	Flight Date: March 09, 1993	USGS
1983	1"=500'	Flight Date: March 14, 1983	USDA
1969	1"=500'	Flight Date: March 31, 1969	USGS
1962	1"=500'	Flight Date: March 23, 1962	USGS
1952	1"=500'	Flight Date: February 26, 1952	USGS
1950	1"=500'	Flight Date: April 01, 1950	USGS

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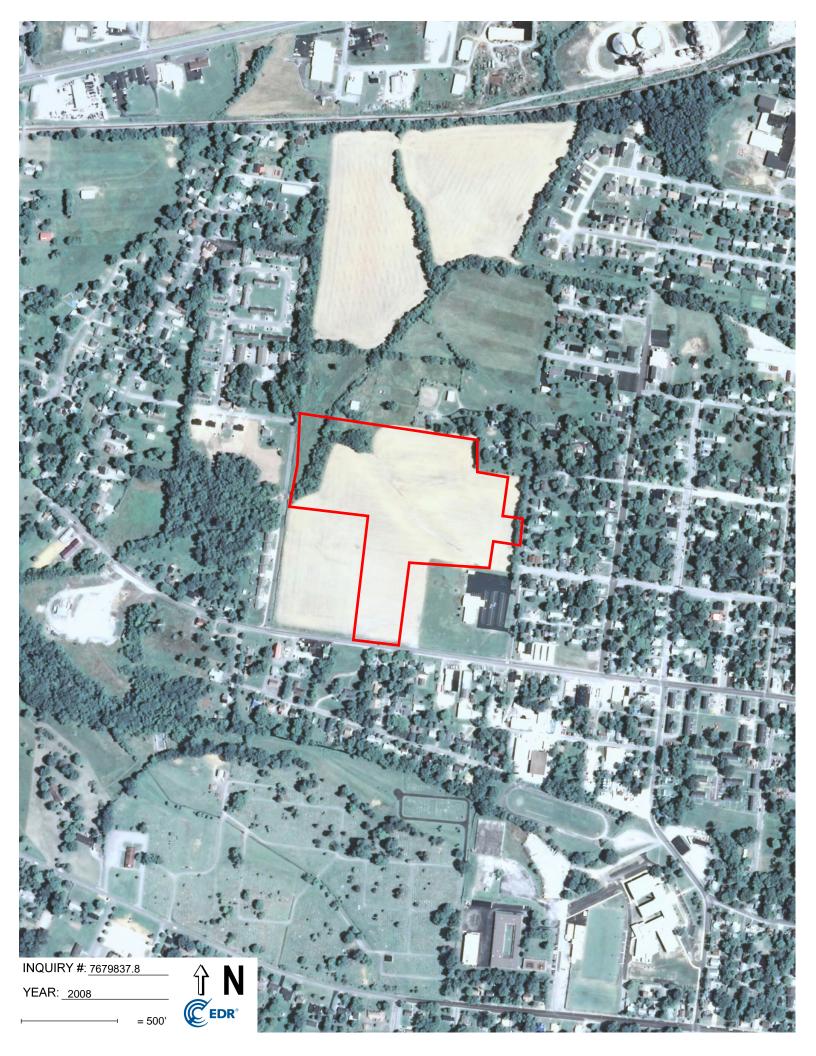
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Harper Village 445 Browning Street Madisonville, KY 42431

Inquiry Number: 7679837.3

June 12, 2024

Certified Sanborn® Map Report



6 Armstrong Road, 4th floor Shelton, CT 06484 Toll Free: 800.352.0050 www.edrnet.com

Certified Sanborn® Map Report

06/12/24

Site Name: Client Name:

Harper Village Linebach Funkhouser Inc.
445 Browning Street 114 Fairfax Ave
Madisonville, KY 42431 Louisville, KY 40207
EDR Inquiry # 7679837.3 Contact: Eric Altobellis



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Linebach Funkhouser Inc. were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # FE6D-4F44-9E15
PO # 032-24 Task 2
Project Harper Village

UNMAPPED PROPERTY

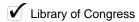
This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.



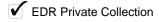
Sanborn® Library search results

Certification #: FE6D-4F44-9E15

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:



✓ University Publications of America



The Sanborn Library LLC Since 1866™

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Harper Village 445 Browning Street Madisonville, KY 42431

Inquiry Number: 7679837.5

June 15, 2024

The EDR-City Directory Image Report

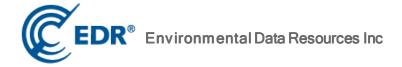


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Executive Summary

Findings

City Directory Images

Thank you for your business.

Please contact EDR at 1-800-352-0050 with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available business directory data at approximately five year intervals.

RECORD SOURCES

The EDR City Directory Report accesses a variety of business directory sources, including Haines, InfoUSA, Polk, Cole, Bresser, and Stewart. Listings marked as EDR Digital Archive access Cole and InfoUSA records. The various directory sources enhance and complement each other to provide a more thorough and accurate report.

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

<u>Year</u>	Target Street	Cross Street	<u>Source</u>
2020	$\overline{\checkmark}$		EDR Digital Archive
2017	$\overline{\checkmark}$		Cole Information
2014	$\overline{\checkmark}$		Cole Information
2010	$\overline{\checkmark}$		Cole Information
2005	$\overline{\checkmark}$		Cole Information
2000	$\overline{\checkmark}$		Cole Information
1995	$\overline{\checkmark}$		Cole Information
1992	$\overline{\checkmark}$		Cole Information
1967		\square	Mullin-Kille's City Directory

FINDINGS

TARGET PROPERTY STREET

445 Browning Street Madisonville, KY 42431

<u>Year</u>	<u>CD Image</u>	<u>Source</u>		
BROWNING ST				
2020	pg A1	EDR Digital Archive		
2017	pg A6	Cole Information		
2014	pg A9	Cole Information		
2010	pg A13	Cole Information		
2005	pg A16	Cole Information		
2000	pg A20	Cole Information		
1995	pg A23	Cole Information		
1992	pg A27	Cole Information		
1967	pg A30	Mullin-Kille's City Directory		

7679837-5 Page 2

FINDINGS

CROSS STREETS

<u>Year</u>	CD Image	<u>Source</u>
W NOEL AVE		
2020	pg.A2	EDR Digital Archive
2017	pg. A7	Cole Information
2014	pg. A10	Cole Information
2010	pg. A14	Cole Information
2005	pg. A17	Cole Information
2000	pg. A21	Cole Information
1995	pg. A24	Cole Information
1992	pg. A28	Cole Information
1967	pg. A31	Mullin-Kille's City Directory
1967	pg. A32	Mullin-Kille's City Directory
1967	pg. A33	Mullin-Kille's City Directory

7679837-5 Page 3



Target Street Cross Street Source

→ EDR Digital Archive

342	BONNIE LAROY	
	THOMAS QUALLS	
400	JIMMIE WATTS	
424	MELODY RICE	
	RENAE RICE	
434	FRANK GAITHER	
	SHARON GAITHER	
452	ANNETTE BAUCUM	
460	ADA PHELPS	
	DUDLEY PHELPS	
	FRANK PHELPS	
510	PATRICIA DAVIS	
601	BONNIE KINGTON	
	ELLEN KINGTON	
	HAYES KINGTON	
	SARAH KINGTON	
	WILLIAM KINGTON	
631	KATHERINE KINGTON	

Target Street Cross Street Source
- Source EDR Digital Archive

		_
34	EMILY ZIMMERMAN	
34	MAYBELLE SIZEMORE	
	NATASHA BROWN	
	PERNEICIA SIZEMORE	
39	CAROL SCHWARTZLOSE	
39	DAWN SCHWARTZLOSE	
	LARRY SCHWARTZLOSE	
	MARISSA SCHWARTZLOSE	
47	ALEXIS HIBBS	
41	JOSEPH SCHWARTZLOSE	
	MELISSA SCHWARTZLOSE	
50	BRENDA GRACE	
30	HAYLEE GRACE	
	JANIE KILLOUGH	
	JOHN GRACE	
107	DOUGLAS BLOEDORN	
	ERIC MILLER	
	HEATHER FRASHER	
	PAMELA MILLER	
	PAMELA SIMS	
108	ASHLEY OLDHAM	
	JESSICA DEMOSS	
	SEAN SCHROADER	
114	KARI HOLT	
	LANDON HOLT	
	TRISTIN HOLT	
	ZACH LAWLESS	
118	AMANDA MERRELL	
	DEBRA VANKIRK	
	JEFFREY BREWER	
	JIMMY BREWER	
	LISA LYNN	
127	DANIEL ROGERS	
128	CURTIS MASSEY	
454	KRISTA MASSEY	
154	MELODY HIGHTOWER	
	PATRICIA BUCKALEW	
047	RONALD JONES	
217 234	JEFFREY BROWNING	
234	JUDY EDEN	
235	MARK EDEN DONALD REID	
233	GENE REID	
242	LEIGHA LARKINS	
4 +4	MECHELE HALL	
243	CONNIE ADKINS	
243 248	BARRY TRAVIS	
270	CAROLYN CLAYTON	
	DELORES EDWARDS	
	JERRY CLAYTON	

W NOEL AVE 2020 (Cont'd)

	WINOLLAVL	2020	(Cont a)	
0=4	050005 01111 1100			
254	GEORGE PHILLIPS			
283	MEGAN WEGRZYNOWICZ			
	NANETTE CARNEY			
	RALPH CARNEY			
284	BERNARD HARTFORD			
	EMERSON HARTFORD			
	MARY HARTFORD			
291	JEWELL STAFFORD			
	JOHN STAFFORD			
	LORETTA STAFFORD			
294	KIMBERLY FULKERSON			
	MILDRED STRADER			
297	MARK RICHARDSON			
	VICKI ODOM			
303	YONG ZHENG			
315	BARRY KIRKWOOD			
	CONNIE KIRKWOOD			
340	VAN AUSTIN			
357	LUDELLA GRINSTEAD			
	VALERIE HALEY			
401	COLETTE RODGERS			
414	LINDA GUINN			
415	RACHEL PIERPONT			
420	AMBER BROWN			
	JASON BROWN			
	KERRI LINDSEY			
438	KENDRA YOUNG			
443	SAMANTHA HUSKEY			
	TONNETTE HUSKEY			
600	ATM			
	QUALITY QUICK CONVENIENT STORE			
603	TGE WESTSIDE LIQUORS			
613	SARAH CURRY			
621	SALIM GOWANI			
	SHABANA GOWANI			
627	JOHN WOOTEN			
	MISTY WOOTEN			
	REBECCA WOOTEN			
633	DORRIS BROWNING			
	GLENN MILLER			
	MARTHA MILLER			
672	OPAL PARKER			
	ROBERT VANDIVER			
674	JIMMY GIPSON			
	MICHAEL WAGNER			
	PAULA WAGNER			
685	DAVID ANDERSON			
708	ALEXIS STAFFORD			
714 725	KRYSTAL BRINKLEY CINDI COOK			

Target Street Cross Street Source
- Source EDR Digital Archive

W NOEL AVE 2020 (Cont'd)

	,
730	HOPKINS COUNTY HEAT AIR & ELEC
730	WESLEY ARISON
744	CHARLES HOSKINS
7	ERICA PHARRIS
746	AMBER OWENS
740	JACOB OWENS
750	CARL SIGLER
730	THERESA VAUGHN
766	JAMES HILL
820	BROWN'S WESTSIDE AUTO REPAIR
905	SEVENTH DAY ADVENTIST CHURCH
925	AMERIGAS PROPANE EXCHANGE
320	DOLLAR GENERAL
	WESTERN UNION AGENT LOCATION
930	JORDAN SAMPSON
948	MARY MUSTAFA
949	HOPKINS COUNTY STONE
952	CANDICE HOWARD
002	FRANK SAMBOL
	LARRY KINNEY
	MELDON UTLEY
1010	BRANDON AYSTIN
1083	BETTY PEYTON
1111	ELIZABETH PHILLIPS
	JAMES YECKERING
	LARRY CARROLL
	SETH CARROLL
	TONY PHILLIPS
1139	ANGELA FULKERSON
	CHARLENE JESSIE
	ERICA BURDEN
	RYAN BURDEN
1140	MADISONVILLE-RESTORATION CHR
1152	DANIEL ROBERTS
	JAMES TYRA
	VANESSA TYRA
1155	WILLIAM NASH
1170	ELAINE TRUDEAU
1188	AMANDA SKEEN
	BOBBY SKEEN
	CAROLINE SKEEN
1190	EDWARD BROWN
	RICKY CARTER
	SHARON LANE
1209	MARY POLLEY
1223	KELLY MCCURRY
	SAMUEL DENNY
1224	JEFF GRIFFEY
	TIMOTHY GRIFFEY
	VALERIE GRIFFEY

Target Street Cross Street Source
- Source EDR Digital Archive

W NOEL AVE 2020 (Cont'd)

1235	TRACE INDUSTRIES INC
1305	
1320	• •
1370	DAYDREAM FARM
1375	ANN WAGONER
	DEBORAH WAGONER
	STEPHEN WAGONER
1385	JEFFREY GRIFFEY
1409	MICHAEL HOLMES
	VADA HOLMES
1417	GLADYS GIBSON
	PEGGY FERRELL
1425	CLIFTON ALEXANDER
	DELORES ALEXANDER
1429	LARENCE DAY
	SHARON DAY
1433	SUSAN GREGORY
1455	CHRISTY HENLEY
	JAMES HENLEY
1495	ARTHUR ULFIG
	SHADOWE COCHRAN
1501	NEW LIFE SANCTUARY CORF
	ROBERT DEVINE
1505	ANTHONY DISANTI
	BRITTANY THOMAS
	CHAD THOMAS
	KATHRYN DISANTI
	MICHELLE DISANTI
	TAMMY THOMAS
1532	ETHAN NUNN
	MISTY CAVANAUGH

	BROWNING S	SI 2017	
342 400 408 424 434 440 500 510 601	QUALLS, THOMAS L WATTS, JIMMIE D METCALFE, JENNIFER RICE, MELODY R GAITHER, FRANK L ROBERTSON, STEVEN P WILSON, RICKY R CARTER, CHARLES E KINGTON, HAYES H		

Target Street

Cross Street

Source Cole Information

	77.110127.112
31	STANLEY, SANDY L
34	SIMEZEMORE, MAYBELLE
39	SCHWARTZLOSE, LARRY I
47	SCHWARTZLOSE, JOSEPH L
50	GRACE, JOHN
107	SMITH, TROY D
108	MORSE, COURTNEY
118	NORRIS, CLIFFORD D
127	ROGERS, WILMA G
128	MASSEY, CURTIS C
154	WILLIAMS, ANDREA E
170	HARLEY, ROBERTA
234	EDEN, MARK T
235	REID, GENE G
242	LARKINS, JOSEPH P
243	ADKINS, CONNIE
251	EDEN, JOHNNY
254	LEWIS, LISA R
283	CARNEY, RALPH K
284	HARTFORD, EMERSON E
291	STAFFORD, JOHN E
294	STRADER, RONDALL K
297	ODOM, VICKI L
315	SHUTT, PEARLA J
357	HALEY, LEAH
398	GEORGIAS CREATION LLC
414	GUINN, KAY
415	PIERPONT, RACHEL
420	BROWN, JASON D
423	ROBINSON, TINA
429	GARCIA, SUSAN R
438	YOUNG, KENDRA
443	HUSKEY, SAMUEL K
444	HURT, CYNTHIA
451	A LIL TASTE OF CHICAGO
509	WHITSELL, RHENEA
521	ROSEY, JERMAINE
600	QUALITY QUICK CONVENIENT STORE 7
603	TGE WESTSIDE LIQUORS
626	CURTISS AUTO DETAIL & BODY SHOP
627	WOOTEN, JOHN W
633	MILLER, GLENN T
672	PARKER, DANNY L
	VANDIVER, ROBERT A
674	GIPSON, JIMMY E
680	BARNES, KRISTA
694	ANDERSON, DIANA S
708	DRAKE, ALEX
714	LIPSCOMB, STEVE O
725	PRAISE TEMPLE APOSTOLIC CHURCH

> W NOEL AVE (Cont'd) 2017

730	HOPKINS COUNTY HEAT AIR & ELECTRICAL
744 750	BOWLES, ANTHONY R HEER, ASHLEY
	•
766	KELLY, MARK P
820	SHARKEYS WESTSIDE SERVICE INC SEVENTHDAY AVENTIST CHURCH
905	
920	HUDDLESTON, PETE W SAMPSON, JORDAN
930	•
948	VERON, MILDRED S
949 952	HOPKINS COUNTY STONE KINNEY, LARRY W
	GROVES, MIKE
993 1104	HOWELL, DONNIE L
1111	BYRD, WYNONA E
1119	TURNER, SHIRLEY M
1152	TYRA, JAMES W
1155	NASH, WILLIAM C
1162	JOHNSON, JAMES A
1170	TRUDEAU, FLOYD
1170	LANE, CHRISTOPHER D
1209	POLLEY, EVERETT F
1223	BEARDEN, CLINT J
1223	GRIFFEY, TIMOTHY
1235	PENNYROYAL CENTER
1200	PENNYROYAL MENTAL HEALTH CENTER
1320	BEAL, CHARLES E
1370	DAY, MINNIE B
1375	WAGONER, STEVE E
1417	STONE, NORRIS W
1425	ALEXANDER, CLIFTON L
1429	DAY, BRADLEY L
1433	GREGORY, SUSAN E
1455	HENLEY, JAMES C
1495	COCHRAN, SHADOWE
1501	BREEZE PLACE
1503	FIRST LINE FIRE EXTINGUISHER
1505	BARDELL, MICHAEL T
4500	EMEDOON VENUO

1505 1532

EMERSON, VENUS

	BROWNING ST 2014
330	OCCUPANT UNKNOWN,
342	QUALLS, THOMAS L
400	WATTS, JIMMIE D
408	FOSTER, SHEILA
424	RICE, MELODY R
434	GAITHER, L F
439	BROWN, PRISCILLA J
440	ROBERTSON, STEVEN P
452	RUDD, HILDA D
460	OCCUPANT UNKNOWN,
500	WILSON, THOMAS R
510	CARTER, CHARLES E
601	KINGTON, HAYES H
631	KINGTON, CHARLES A

Target Street

Cross Street

<u>Source</u>

Cole Information

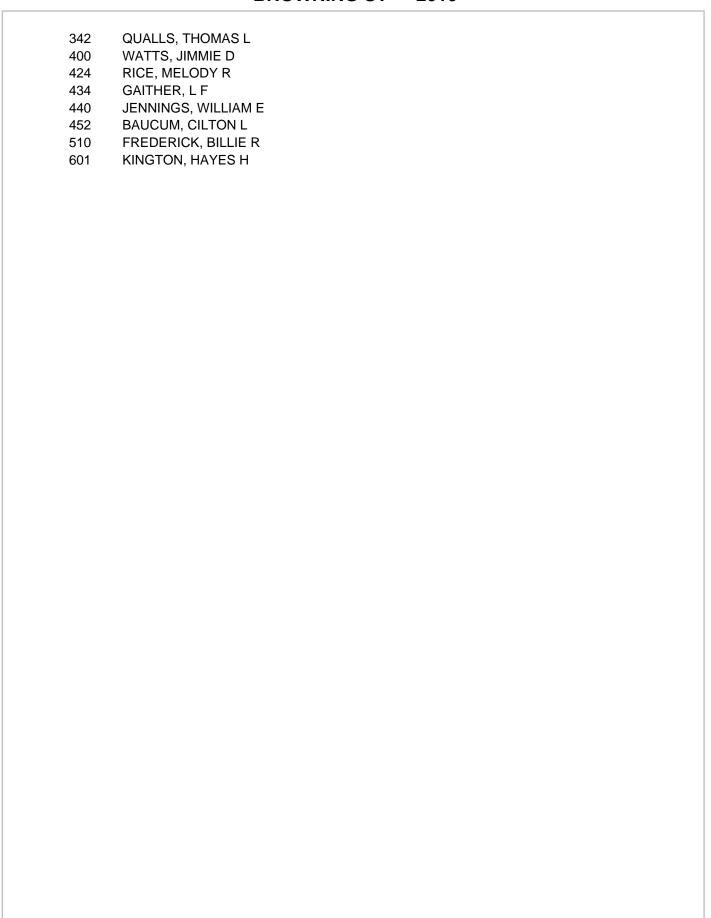
0.4	OTANII EV OANIDYI
31	STANLEY, SANDY L
34	BROPHY, BRIAN E
39	SCHWARTZLOSE, LARRY I
42	OCCUPANT UNKNOWN,
47	HIBBS, HEATH
50	GRACE, JOHN
107	SMITH, TROY
108	OLDHAM, DEBBI
114	LAWLESS, ZACHARY
117	OCCUPANT UNKNOWN,
	BREWER, JIMMY R
118	
127	ROGERS, DANIEL A
128	MASSEY, CURTIS C
154	JOHNSON, MARQUISE
170	HARLEY, ROBERTA
217	BROWNING, JEFF D
234	EDEN, JAMES A
235	REID, GENE G
242	HALL, MECHELE N
243	HIBBS, LINDA
248	MITCHELL, FORMEKA
251	OCCUPANT UNKNOWN,
254	LEWIS, LISA R
260	CARPENTER, DELIALAH
262	MATCHEM, HILDA
_	-
283	CARNEY, RALPH K
284	HARTFORD, EMERSON E
291	STAFFORD, JOHN E
294	FULKERSON, KIMBERLY J
297	RICHARDSON, MARK R
303	RATCLIFF, CHERY L
315	MORRIS, ERIC L
	·
322	BUCHANAN, DEBBIE
357	GRINSTEAD, LUDE
	HALEY, VALERIE L
398	GEORGIAS CREATION LLC
414	GUINN, KAY
415	PIERPONT, RACHEL
420	LINDSEY, OWEN M
423	OCCUPANT UNKNOWN,
	•
429	GARCIA, SUSAN R
437	GRAY, ALICIA D
438	YOUNG, KENDRA
443	HUSKEY, SAMUEL W
444	JOHNSON, MIKE
473	MCCRADY, KAYLAN
509	WHITSELL, RHENEA
521	-
	ROSEY, JERMAINE
533	OCCUPANT UNKNOWN,
557	SCOTT, LEAH

W NOEL AVE 2014 (Cont'd)

	,
000	OLIALITY OLIIOK CONVENIENT CTORE 7
600	QUALITY QUICK CONVENIENT STORE 7
603	TGE WESTSIDE LIQUORS
613	WEAVER, LISA R
626	CURTISS AUTO DETAIL & BODY SHOP
627	WOOTEN, JOHN W
633	MILLER, GLENN T
672	OCCUPANT UNKNOWN,
	PARKER, DANNY L
	VANDIVER, ROBERT A
674	GIPSON, JIMMY E
676	WOOTEN, BECKY
680	MOORE, AMANDA
686	OCCUPANT UNKNOWN,
694	ANDERSON, BRYAN S
708	OCCUPANT UNKNOWN,
725	PRAISE TEMPLE APOSTOLIC CHURCH
730	HOPKINS COUNTY HEAT AIR & ELECTRIC
744	PHARRIS, ERICA L
746	OCCUPANT UNKNOWN,
750	MOORE, JERRY
758	EDGAR, JEFFREY D
766	QUALLS, ROBERT J
820	SHARKEYS WESTSIDE SERVICE INC
905	SEVENTHDAY AVENTIST CHURCH
915	PEYTON, GARY W
920	OCCUPANT UNKNOWN,
930	OCCUPANT UNKNOWN,
949	HOPKINS COUNTY STONES
952	NEISZ, MELANIE M
975	MARSH SAND & GRAVEL
000	MARSH, ROCK
993	ROSS, CHRISTOPHER D
1004	JOHNSON, DALLAS
1080	HALL, LAURA E
1083	COBLE, DEBBIE S
1104	HOWELL, DONNIE L
1111	FOX, RICKY L
1119	TURNER, SHIRLEY M
1139	BURDEN, RYAN K
1141	SLATON, DONALD E
1152	OCCUPANT UNKNOWN,
1162	JOHNSON, JAMES A
1170	HARRISON, LORENE L
1188	OCCUPANT UNKNOWN,
1190	CARTER, RICKY A
1209	POLLEY, EVERETT F
1223	BEARDEN, CLINT J
1224 1235	GRIFFEY, TIMOTHY PENNYROYAL CENTERMENTAL HEALTH CLIN
1235	WAGONER, STEPHEN E
1313	WACONEN, OTEFTIEN E

W NOEL AVE 2014 (Cont'd)

1320	BEAL, CHARLES E
1370	DAY, MINNIE B
1375	WAGONER, STEVE E
1385	GRIFFEY, JAMES T
1409	HOLMES, VADA N
1417	STONE, NORRIS W
1425	ALEXANDER, CLIFTON L
1429	DAY, BRADLEY L
1433	GREGORY, SUSAN E
1455	HENLEY, JAMES C
1495	BOLDEN, JAMIE N
1503	FIRST LINE FIRE EXTINGUISHER
	PRO TECH AUTO REPAIR
	TERMINIX
1505	GIVENS, BRAD W
1532	CAVANAUGH, MISTY L
	EMERSON, VENUS



31	HERNANDEZ, NICOLE
34	BROPHY, BRIAN E
	00111440771 005 140

- 39 SCHWARTZLOSE, LARRY I
- 42 CROOK, JAMES W
- 47 PICKARD, JUDY R
- 50 GRACE, JOHN
- 107 SIMS, PAMELA J
- 108 NANCE, JONOTHAN
- 118 BREWER, JIMMY R
- 127 ROGERS, WILMA G
- 100 MACOEN CUETTO
- 128 MASSEY, CURTIS
- 164 HINES, LISA R206 WHITAKER, MICHELLE
- 227 BEENY, ANNA R
- 235 REID, GENE G
- 242 HALL, MECHELE N
- 243 HUDNALL, HASKELL P
- 260 CARPENTER, DELIALAH
- 262 MATCHEM, HILDA
- 283 CARNEY, RALPH K
- 284 HARTFORD, EMERSON E
- 291 STAFFORD, LORETTA F
- 348 DOWDY, STEVEN L
- 357 GRINSTEAD, GARRETT B
- 414 GUINN, JIMMIE
- 415 CUNNINGHAM, ZACHARIE
- 420 LINDSEY, KERRI A
- 437 GRAY, ALICIA D
- 443 HUSKEY, SAMUEL W
- 444 JOHNSON, MIKE
- 509 WHITSELL, RHENEA
- 521 ROSEY, JERMAINE
- 581 SMITH, ISRAEL L
- 602 CAMPBELL, LISA G
- 603 TGE WESTSIDE LIQUORS
- 613 CURTIS, MONTE R
- 627 WOOTEN, JOHN W
- 633 MILLER, GLENN T
- 672 PARKER, DANNY L
- 674 GIPSON, JIMMY E
- 680 MOORE, AMANDA
- 694 ANDERSON, BRYAN S
- 708 STAFFORD, ALEXIS
- 714 FARMER, LISA
- 730 HOPKINS COUNTY HEAT & AIR
- 744 BOWLES, ANTHONY R
- 746 RICE, PAUL F
- 750 MCKNIGHT, TONY E
- 758 EDGAR, JEFFREY D
- 820 SHARKEYS WESTSIDE SVC INC

W NOEL AVE 2010 (Cont'd)

905	SEVENTH DAY ADVENTIST CHURCH
915	PEYTON, GARY W
920	HUDDLESTON, DAVID
948	COMBS, FRANKLIN D
952	HOWARD, CANDICE C
975	MARSH ROCK & READY MIX LLC
	MARSH, ROCK
993	ROSS, CHRISTOPHER
1004	JOHNSON, DALLAS
1080	HALL, LAURA E
1104	HOWELL, DONNIE L
1111	CARROLL, SETH T
1119	TURNER, SHIRLEY M
1139	FULKERSON, CHARLES W
1141	SLATON, DONALD E
1152	TYRA, JAMES W
1155	WALKER, KATHY L
1162	JOHNSON, JAMES A
1170	HARRISON, EMMA L
1188	SKEEN, BOBBY D
1190	CARTER, RICKY A
1209	POLLEY, EVERETT F
1224	GRIFFEY, TIMOTHY
1303	MENTAL HEALTH CLINIC
	PENNYROYAL CTRMENTAL HEALTH
1315	WAGONER, STEPHEN E
1320	BEAL, CHARLES E
1370	DAY, MINNIE B
	DAYDREAM FARM
1375	WAGONER, STEVE E
1385	GRIFFEY, JAMES T
1417	STONE, NORRIS W
1425	ALEXANDER, CLIFTON L
1433	GREGORY, SUSAN E
1495	SULLIVAN, SIDNEY
1503	FIRST LINE FIRE EXTINGUISHER
	PROTECH AUTO REPAIR
	TERMINIX INTERNATIONAL CO
1505	GIVENS, WARREN L
1532	HOAGLAND, TROY

	DROWNING ST	2005
400	WATTS, JIMMIE D	
408	LYNN, BARRY	
424	RICE, MELODY R	
434	GAITHER, FRANK L	
440	JENNINGS, WILLIAM R	
452	GOWER, MELISSA A	
500	RICKY WILSON CONSTRUCTION INC	
510	FREDERICK, BILLIE R	
601	KINGTON, BARRY C	

Target Street

Cross Street

SourceCole Information

31	STANLEY, SANDY L
34	BROPHY, BRIAN
39	MAINSTREET TIRE AND SERVICE INC
39	SCHWARTZLOSE, LARRY I
42	CROOK, JAMES W
50	KILLO, WILLIAM
107	KROL, JAMES V
108	RICE, SHIRLEY L
114	LAWLESS, JAMES L
117	WOOLFORK, VELINDA
127	ROGERS, WILMA G
154	BROWN, JERRY
164	BIN, DARLENE M
170	WANG, GUI M
206	WHITAKER, MICHELLE
217	TYNER, ROBERT L
227	BEENY, ROBERT E
235	REID, GENE G
243	HIBBS, LORETTA
251	MACKEY, RICHARD
254	CLARK, ANGELIA
260	CISSNA, GOVANNA
262	MATCHEM, HILDA
284	HARTFORD, EMERSON E
291	STAFFORD, JEWELL T
294	STRADER, RONDALL K
303	HAYNE, NANCY S
348	MCNARY, TIFFANY
357	GRINSTEAD, GARRETT B
398	CARTER CURTIS PLUMBING ND HEATING
	CURTIS CARTER DICKIE PLUMBING & HEAT
	GEORGIAS CREATION LLC
414	ABRAMS, EUNICE
415	ANDERSON, EARLIE
420	SCOTT, DAVID E
423	B & C LAWN CARE & MAINTANCE
	VOSS, BRYAN L
429	TORRES, SERGIO
437	GRAY, ALICIA D
438	JAIME, VICTOR
443	HUSKEY, SAMUEL W
444	OGLESBY, SARAH R
509	CARNEY, MADA L
517	DAVIDSON, JACKIE
529	SEARGENT, TERRENCE
557	SCOTT, LEAH
581	BEARD, WALLACE E
602	CAMPBELL, LISA G
603	TGE WESTSIDE LIQUORS
613	CURTIS, MONTE R

W NOEL AVE 2005 (Cont'd)

		 (
626	CURTISS AUTO DETAIL & BODY SHOP	
627	WOOTEN, JOHN M	
633	BOYKIN, ANITA F	
685	A & B CYCLE	
686	MCKAY, RHONDA F	
694	BULLOCK, VIOLET M	
708	JOHNSON, BOBBY	
725	PRAISE TEMPLE APOSTOLIC CHURCH	
730	HOPKINS CNTY HTNG AIR & ELCTR	
	HOPKINS COUNTY PLUMBING & HEATING	
	HPKN CNTY HTNG AIR & ELCTRC	
744	BOWLES, ANTHONY	
750	HARNED, MATTIE B	
758	JENKINS, JOEY	
766	KELLEY, MARK C	
820	SHARKEYS WESTSIDE SERVICE INC	
905	SEVENTH DAY ADVENTIST CHURCH	
915	PEYTON, GARY W	
920	CORBIN, JOHN D	
930	GILMORE, SIDNEY	
948	GILMORE, ALAN J	
952	UTLEY, MELDON	
968	BOWLEY, MONA F	
975	MARSH, ROCK	
993	CHILDERS, JOANIE	
1004	JOHNSON, DALLAS	
1010	FRANKLIN, BRAD L	
1080	HALL, LAURA E	
1083	HARRALSON, JONATHAN C	
1104	HOWELL, DONNIE L	
1111	DEMBKOWSKI, MARK H	
1119	TURNER, SHIRLEY M	
1139	FULKERSON, CHARLES W	
1140	CHURCH OF GOD	
1152	LEEK, JIM O	
1155	GILMORE, ROBBIE D	
1162	JOHNSON, JAMES A	
1170	HARRISON, LORENE L	
1190	CARTER, RICKY A	
1223	WIMSATT, CHARLES R	
1224	GRIFFEY, LOUISE P	
1235	TRACE INDUSTRIES INC	
1320	BEAL, CHARLES E	
1370	DAY, MINNIE B	
1375	WAGONER, STEVE E	
1383	PEYTON, VICKI R	
1385	HALLUM, KIM L	
1417	HANCOCK, ADA R	
1425	ALEXANDER, CLIFTON L	
1429	HANCOCK, JESSIE C	

W NOEL AVE 2005 (Cont'd)

	W NOI	EL AVE	2005	(Cont'd)
1433 1495 1503 1505 1532	GREGORY, SUSAN STONE, LISA B TERMINIX INTERNATIONAL FUSON, FLOYD HARLEY, JENNIFER A RECTOR, KENNETH F WINSTEAD, CARLOS			

	BRO	DWNING ST	2000	
330 400 408 424 434 440 452 460 510 601	WHITFIELD, RON WATTS, JIMMIE D BAUCUM, A RICE, RENAE POLLEY, JETT JENNINGS, WILLIAM R CONDRA, A J PHELPS, DUDLEY FREDERICK, BILLIE R KINGTON, HAYES			

<u>Target Street</u> <u>Cro</u>

Cross Street

SourceCole Information

34	CURTIS, AMY L
39	SCHWARTZLOSE, DAWN
47	KEITH, DUSTIN S
50	SISK, WILLIAM A
107	CLAYTON, MARY E
118	MYERS, DEBORAH A
127	STEVENS, CHRISTI
128	MOORE, WILEY
164	CAMPBELL, DARLENE M
217	TYNER, ROBERT T
227	BEENY, ROBERT E
234	EDEN, MARK T
235	REID, GENE
242	KITTINGER, WALLACE
243	HUDNALL, LORETTA
248	DOWNING, JOHN B
251	BROWN, JESSIE L
254	REID, ANGELIA E
283	CARNEAL, GEORGE E
	CURNEAL, GEORGE E
284	HARTFORD, EMERSON
294	STRADER, RONDALL
297	SKINNER, LANA
312	BRYANT, ROBERT D
322	KENNEDY, WILLIAM
340	DAUGHERTY, ALICE
348	COOK, R E
351	JONES, JOE L
357	GRINSTEAD, LUDELLA
414	ABRAMS, EUNICE
415	YOUNG, JOYCE C
420	SCOTT, DAVID
429	GRIDER, CECILIA A
443	HUSKEY, SAMUEL
444	OGLESBY, SARAH R
451	FOX, AMY
517	HUNT, RICKY
557	BEARD, JAMES S
581	BEARD, WALLACE
600	POOR OLD FREDDYS
	PORE, OLE F
603	COYLE, PAUL
613	JOHNSON, LEE
621	CLARK, MEEKLE B
626	CURTISS AUTO DETAIL & BODY SHOP
627	WOOTEN, JOHN
672	FAULK, JASON
685	A & B CYCLE
700	H & J AUTO SALES
708	MCNARY, JAMES
	. =

W NOEL AVE 2000 (Cont'd)

730	HOPKINS COUNTY PLUMBING & HEATING
. 00	MARKHAM, KEN
744	BELCHER, JAMIE
746	BORN, MARTHA E
750	HARNED, MATTIE B
758	JONES, HARRY W
820	SHARKEYS WESTSIDE SERVICE INCORPORATED
905	SEVENTH DAY ADVENTIST CHURCH
968	BOWLEY, MONA F
975	MARSH ROCK & DIRT
1041	CARTER DICKIE PLUMBING & HEATING
1080	HALL, LAURA E
1083	SEIBERT, MICHAEL
1104	HOWELL, DONNIE
1111	DEMBKOWSKI, MARK H
1119	TURNER, SHIRLEY A
1125	WITTEN, DOROTHY
1139	FULKERSON, CHARLES W
1140	MIRACLE TEMPLE CHURCH OF GOD
1152	LEEK, JIM
1155	GILMORE, SIDNEY
1162	NICHOLS, PRESSLE
1170	HARRISON, LORENE
1184	BURNS, RODNEY L
1190	CARTER, RICKY
1223	WIMSATT, CHARLES R
1224	GRIFFEY, LOUISE P
1235	PENNYROYAL CENTER MENTAL HEALTH CLINIC TRACE INDUSTRIES
1303	EXCEPTICON COMMUNITY SERVICES
	MENTAL HEALTH CLINIC PENNYROYAL CENTER CLINIC
	MENTAL HEALTH CLINIC PENNYROYAL CENTER SCL CENTER
1320	BEAL, CHARLES E
1370	DAY, JAMES T
1375	EDWARDS, J P
1383	PEYTON, VICKI R
1417	HANCOCK, ADA R
1425	ALEXANDER, CLIFTON L
1429	HANCOCK, JESSIE C
1433	CROOK, HENRY
1495	HODSKINS, SUE
1503	TERMINIX INTERNATIONAL
1505	FUSON, FLOYD

	BRO	OWNING ST	1995
3 4 4 4 4 4 4 5 5	WHITFIELD, RON QUALLS, THOMAS WATTS, JIMMIE D OLDHAM, TINA OCCUPANT UNKNOWNN POLLEY, JEFF JENNINGS, WILLIAM R CONDRA, A J PHELPS, DUDLEY WILSON, RICKY FREDERICK, BILLIE R KINGTON, HAYES		

Target Street

Cross Street

<u>Source</u> Cole Information

31	BESHEAR, C E
34	LUCAS, TONY
39	OCCUPANT UNKNOWNN
42	CROOK, JAMES
	•
47 50	HOLMES, TAMARA
50	LUCAS, JOELLEN E
107	CLARK, WILLIAM D
108	OCCUPANT UNKNOWNN
114	RUDDELL, ALLEN
117	SCHWARTZ, EMILY
118	MYERS, DEBORAH A
127	STEVENS, C
128	MOORE, WILEY
139	OCCUPANT UNKNOWNN
154	FARRIS, MARVIN L
164	ARNETT, TONY
217	TYNER, ROBERT T
227	BEENY, VIRGIL
234	EDEN, MARK T
235	REID, GENE
242	KITTINGER, WALLACE
243	HIBBS, LORETTA
248	BABBS, ROY E SR
251	OCCUPANT UNKNOWNN
254	REID, A E
260	OCCUPANT UNKNOWNN
283	CARNEAL, GEORGE E
203	CURNEAL, GEORGE E
284	HARTFORD, EMERSON
	OCCUPANT UNKNOWNN
291	OCCUPANT UNKNOWNN
294	
297	SKINNER, LANA
303	STRADER, NANCY
312	BRYANT, ROBERT D
315	OCCUPANT UNKNOWNN
322	OCCUPANT UNKNOWNN
340	DAUGHERTY, ALICE
348	OCCUPANT UNKNOWNN
357	GRINSTEAD, GARRETT
	SIMMS, VALERIE
398	BEARINGS SERVICE CO
414	HUDDLESTON, GEORGE
415	STOKES, SHAWN
420	SCOTT, DAVID
429	NEWTON, MICKEY
437	POLLOCK, FLOYD M
438	OCCUPANT UNKNOWNN
443	HUSKEY, SAMUEL
444	OGLESBY, SARAH R
451	HENLEYS GROCERY

W NOEL AVE 1995 (Cont'd)

	,
451	OCCUPANT UNKNOWNN
509	OCCUPANT UNKNOWNN
517	HOLMES, ANDREW R
521	OCCUPANT UNKNOWNN
529	OCCUPANT UNKNOWNN
557	BEARD, JAMES S
581	BEARD, WALLACE
600	ONE STOP FOOD MART
603	M & M LIQUORS INC
613	JOHNSON, LEE
621	CLARK, EARL
626	WEST NOEL CAR WASH
627	OCCUPANT UNKNOWNN
633	BRACKENY, LESIE
050	CAROLS HAIR STYLING
652	SALVATION ARMY
659	KENS TV SVC
660	QUALITY PRODUCE
672	MCROY, JAMES
674	JAY, M
680	OCCUPANT UNKNOWNN
685	A & B CYCLE
686	HUBBLE, TIM
693	OCCUPANT UNKNOWNN
694	ANDERSON, RAY
708 714	TOLLIVER, DAVID WILLIAMS, AUBREY
71 4 726	SEAGLES SUPER SVC
730	HOPKINS COUNTY PLUMBING & HTG
730 744	SHOCKLEY, TOM
744 746	BORN, CHARLES H
750	HARNED, MATTIE B
758	FOSTER, KEMMA
820	SHARKEYS WESTSIDE SVC INC
912	OCCUPANT UNKNOWNN
915	OCCUPANT UNKNOWNN
920	OCCUPANT UNKNOWNN
948	RUFUS, ARTHUR J
952	UTLEY, MELDON
968	BOWLEY, MONA F
978	DAME, CHRIST
993	THOMAS, AUDREY C
1041	DOBIES DELI
	OCCUPANT UNKNOWNN
1083	SMITH, MICHAEL L
1104	HOWELL, DONNIE
1111	OCCUPANT UNKNOWNN
1119	TURNER, SHIRLEY A
1125	WITTEN, LUTHER
1139	FULKERSON, CHARLES W

W NOEL AVE 1995 (Cont'd)

1140	CHURCH OF GOD
1152	LEEK, JIM
1155	MARTIN, ROBBIE
1162	NICHOLS, P
1170	OCCUPANT UNKNOWNN
1184	MASON, PAUL
1188	MITCHELL, GEORGE
1190	CARTER, RICKY
1209	OCCUPANT UNKNOWNN
1223	WIMSATT, CHARLES R
1235	MENTAL HEALTH CLINIC
1303	MENTAL HEALTH CLINIC
1320	BEAL, CHARLES E SR
1354	JENNINGS, TRAVIS
	PARRISH, RICKY
1358	OCCUPANT UNKNOWNN
1370	DAY, JAMES T
1375	EDWARDS, JOHN P
1383	PEYTON, VICKI R
1385	DANIEL, SUSIE
1409	MALTDA, MICHAEL
1417	HANCOCK, HOBERT
1425	ALEXANDER, CLIFTON L
1429	HANCOCK, JESSIE C
1433	FLENER, GREG
1455	HONEYCUTT, ARJAY
1495	HERON, JONNA
1503	OCCUPANT UNKNOWNN
	SUPERIOR UPHOLSTERY & AUTO
	TERMINIX INTERNATIONAL
1505	FUSON, FLOYD
1532	SMITH, TAMMY D
72012	WESTWIND INC

	BROWNING ST	1992
342 400 408 424 440 460 500 510 601	QUALLS, THOMAS WATTS, JIMMIE D OLDHAM, TINA WHITFIELD, EDWARD T JENNINGS, WILLIAM R PHELPS, DUDLEY WILSON, RICKY FREDERICK, BILLIE R KINGTON, HAYES	1992

24	DONE FLINT
31	BONE, FLINT
47 407	MOORE, JAMES L
107	CLARK, WILLIAM D
117	BEGLEY, BOB
128 154	MOORE, WILEY
154	FARRIS, MARVIN L
217	TRICE, J D
227 235	BEENY, VIRGIL HALL, BRUCE
242	KITTINGER, WALLACE
243	HIBBS, JESSE O
248	BABBS, ROY E SR
251	POWELL, BRENDA
254	BROWN, ANGELIA R
283	CARNEAL, GEORGE E
200	CURNEAL, GEORGE E
284	HARTFORD, EMERSON
291	STAFFORD, JEWELL T
294	STRADER, RONDALL
297	SKINNER, LANA
312	BRYANT, ROBERT
340	DAUGHERTY, ALICE
357	GRINSTEAD, GARRETT
414	SCOTT, DAVID
415	STOKES, SHAWN
437	POLLOCK, FLOYD M
443	JONES, JOHNNY T
444	OGLESBY, SARAH R
521	LAMB, OLLIE
557	RUSSELL, MARY
581	BEARD, WALLACE
621	CLARK, EARL
627	WOOTEN, JOHN
674	HOLLIS, MARK
680	GREEN, WILLIAM R
686	CARTWRIGHT, MICHAEL E
694	ANDERSON, RAY
714	MILLS, WILLIAM D
746	BORN, CHARLES H
750	HARNED, MATTIE B
758	KELLEY, R V
915	GRAHAM, TAMMY
920	SOLISE, TROY
948	RUFUS, ARTHUR J
952	UTLEY, MELDON
968	BOWLEY, TOM R
978	SUTTON, FRANCES
993	THOMAS, AUDREY C
1083	SMITH, LUMMIE
1111	HALL, DAVID

W NOEL AVE 1992 (Cont'd)

1119	TURNER, SHIRLEY A
1139	FULKERSON, C W
1152	PLEASANT, STEVE
1162	NICHOLS, P
1184	MASON, PAUL
1190	CARTER, RICKY
1223	WIMSATT, CHARLES R
1320	BEAL, CHARLES E SR
1370	DAY, JAMES T
1375	EDWARDS, JOHN P
1383	PEYTON, VICKI R
1409	DANIEL, LILLIE
1417	HANCOCK, HOBERT
1429	HANCOCK, J C
1433	RAMSEY, PHILLIP
1455	HONEYCUTT, ARJAY
1505	FUSON, FLOYD

BROWNING ST 1967

1030 Trir Leadetter Isabell S Mrs (H) 1048 Gossett L W Э—Д821-6786 1101 Birge Ruby B Mrs (H)—\(\triangle \text{821-1767}\) 1113 Cartwright O R ⊕—△821-3916 BROWNING N fr 693 W Noel to dead end, n of Silkwood 330 Williams Esma F Mrs (H)— △821-6071 Cherry 342 Bartlett Daisy F Mrs (i)— △821-2807 400 Watts C S ℍ—△821-3188 400½ Clark L V—Д821-7215 408 Sutton Hazel A Mrs (H)—\(\tilde{\Pi}\)821-8216 Gordon 424 Todd R H H — \$\triangle 821-5040 434 Fredrick H W H—Δ821-6408 440 Jennings W R 🗓 — 🗘 821-6960 452 Clark J W A — Δ821-3741 460 Fredrick D W H-4821-5478 Silkwood 510 Frederick M L (A)—\(\bar{\Pi}\) 821-3678 601 Kington W H 的—— △821-3672 es Angel Kathleen S Mrs (H)— △821-7182 ws Kington O M (H) - A821-3249 **BUCKINGHAM** (Westmoor Estates) S fr 1236 Laffoon Trl to Devonshire Dr. 5 w of Oldham Rd — Hopkins W E н— 🗘 821-8158 21 Troop W F (H)—\(\(\Lambda\)821-7747 33 DeMoss W R H — A821-2292

W NOEL AVE 1967

504 Vacant

505 Gray Louise L Mrs (H)

516 Johnson Amanzo (H)—Δ821-5666

518 Slaton G A ℍ—Δ821-3530

NOEL-WEST

W fr 259 N Main to & bey limits

IC RR

31 Lynch Callie L Mrs ®—\(\Delta 821 \)5371 Cooley James—\(\Delta 821 \)4179

34 Ray Betty D Mrs ⊕—△821-1953

39 Morrow Nora S Mrs ®—\$821-3972 Pharris Carolyn

42 Beck Brank (H)—△821-4358

47 Moore Kathryn O Mrs ⊕—△821-7654

50 Cates W D θ — Δ821-3705

50(r) Vacant

Wells

107 Schmidt H J

108 Shanks V В н—Д821-1949

114 Whitfield O D (R)—A821-6107

118 Hunt HE (R)

127 Sharp Margt T Mrs ℍ—△821-3602

128 Moore W C (A)—△821-1771

Dempsey

249

W NOEL AVE 1967

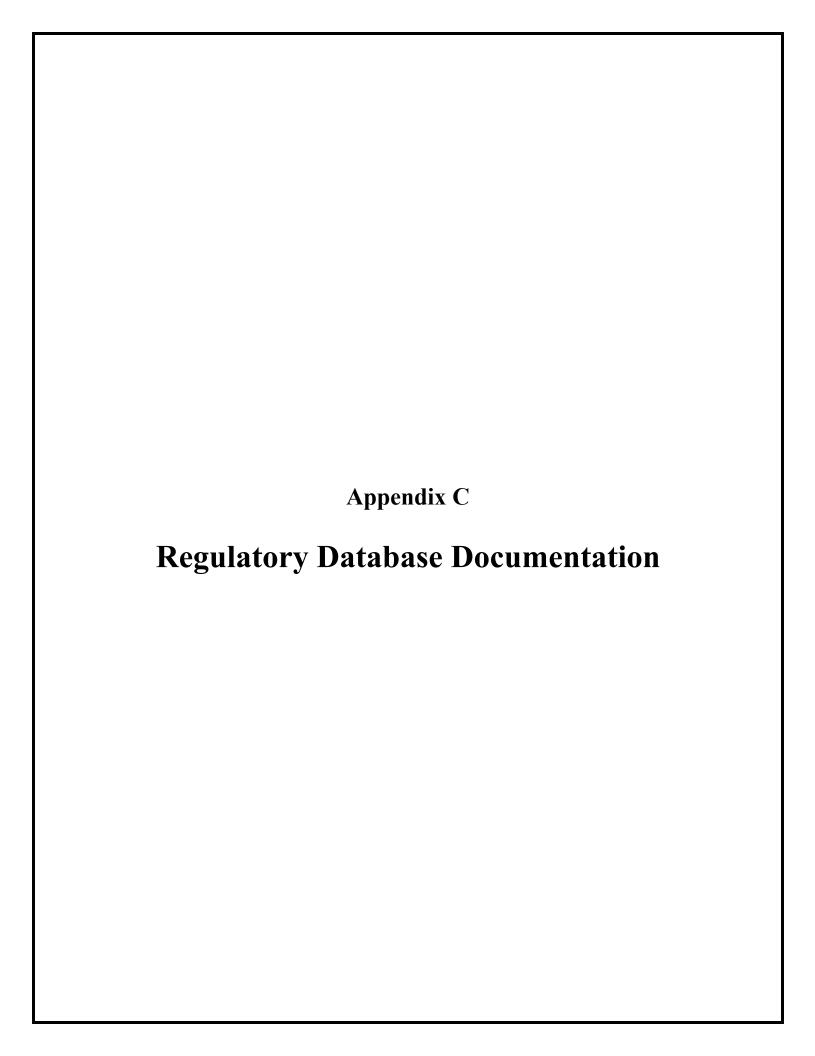
PEOPLES BANK AND TRUST COMPANY — 821-1661

NOEL W. (Casatid)	600 Hendrix Gulf Serv—Д821-8104
NOEL—W (Cont'd)	600(r) Trlr Hendrix D H ⊕—△821-8104
153 Spence's Gulf Serv S'a—\$821-8778 154 Farris M L @—\$821-7224	603 Moore's Serv Sta—△821-6041
155 Cavanah Used Cars—\$821-8295	613 Furniss P S (18)—\(\time\) 821-5255 614 Boles Jack Elec Co—\(\time\) 821-4647
164 Chance J E ℍ—△821-6083	618 Wright's Garage—△821-5016
170 Roth Verna M Mrs—Д821-7680	621 Clark E F 🛞 — 🗘 821-3618
N Seminary	626 Clark's W End Serv Sta—
207 Roany V A @ 0 221 1504	633 Sandefur Chas Jr—\$21-6946
227 Becny V A ®— \$\Delta 821-4594 234 Frazer G P ®— \$\Delta 821-4388	Woodson
235 Fortenbery B J (H)— \$\times 821-7318	44 QQQ2911
242 Walker Shellie M Mrs ®—	652 Sureway Food Store—A821-3181
Д821-5802 243 Kinney Earl ⊕—Д821-6568	659 Brooks Loose Leaf Flr—\$221-7320 662 Wishy Washy Ldry—\$21-9857
248 Stokes Jasper ®—\$\time\$821-2981	
251 Teague Henry (B—A821-6155	Harding
254 McCarthy Alice N Mrs ⊕— △821-3880	672 Wade J A—∆821-3516 672½ Lantrip Robt—∆821-1018
Hopewell	674 Lochridge Wallace— \triangle 821-1060
277 Ethel's Mkt—∴ \$21-2493	680 Mangum L A barber shop 🖫—
283 Carneal G E ⊕—△821-6134 284 Davis J R ⊕—△821-6924	↓821-3863 686 Page Virgie M Mrs ⊕—↓821-7689
291 Wilkins C R ®—\$\time\$821-4922	691 Anderson Serv—\(\Delta\)821-5163
294 Crowe C C ℍ—△821-3436	693 Lamb O L—△821-1745
297 Uzzle J M ®—	694 Anderson T R ⊕—Д821-5163
310 McGregor's Shoe Fixery—\$\tilde{\pi} 821-4103	Browning
312 McGregor R B ⊕—△821-4103	700 Mac's Mtr Sls—\$21-7494
315 Vacant	Trlr Compton O C ⊕ 708 Moore Kirkwood ⊕—Д821-5212
322 Overton R T ⊕—△821-3087	714 Davis W D wldg ®
340 Dorris M K ⊕—△821-4197	720 Mills Wldg & Mach—A821-6252
348 Watts L H 🖹 — 🗘 821-5118	730 Macke Mach Wks—\$21-3386 730½ Whitfield Mable Mrs—\$21-3297
351 Crowley E A ⊕—Δ821-1675 357 Wygal Jan J Mrs—Δ821-2053	744 Kingston Lana A Mrs ®—\$21-6314
398 Bearings Serv Co— \triangle 821-6576	746 Born C H—△821-5826
Church	750 Milum K J ⊕—
403 Service Prod—△821-4307 414 Poe J R	Daniel Dr
415 Massey C E ⊞—∴ △821-6520	766 Kingston W E ⊕—Д821-6869
420 Tucker R N 🖹 — 🗘 821-4234	820 Hook & Son Serv Sta—△821-1237
423 Davis J L—↓821-1897 429 Crockett J C ⊕—↓821-5911	Trlr Haynie C P Jr ®—\(\Delta 821-5177\)
437 Pollock F M ®— \triangle 821-6090	820½ Hook W B ®—\$21-1237
438 Furgerson E A ℍ—△821-8734	(Following are RD 2) Denton Dr
443 Moore E H—△821-3189 444 Eckard Mattie E Mrs ®—△821-6060	ss Seventh Day Adventist Ch
451 Prow's Mkt—△821-7791	ss Troop Ada M Mrs ®—A821-6729
451½ Prow A L ®	ss Crider Mada N Mrs—△821-4231
Pride	Ada La 912 Manasco N E—∴ \$\Delta 821-8869
509 Miller Eva M Mrs ⊕—△821-7795	920 Ockerman E L 🖲 — 🗘 821-6345
517 Melton O E ®—\$\time\$ 821-4845	948 Blair G O 🕦 — 🗘 821-4214
521 McGregor D B ®—△821-4621 529 Dorris Gro—△821-5520	950 Trlr Tarpley J T—\$21-5302 952 Utley I M \(\hbar \hbar \hbar \hbar 21-3111
529(r) Dorris C B ®—\(\triangle 821-5520\)	978 Vacant
	982 Vacant
Park Row	993 Thomas Maude P Mrs ⊕ 1004 Weldon A C ⊕—△821-4741
533 Vacant	1004 Weldon A C (f) — 2,021-4741
557 Trlr Russell R L ⊕—↓821-4810 581 Kittinger J W—△821-4962	1041 Ruby Myrtle D Mrs 🕦
583 Beard's Food Mkt—△821-5707	1080 Scott W R—↓821-2559 1083 Smith L C ⊕—↓821-3379
Murray	14/ .11
	The Mullin-Kille and Messenger

7679837.5 Page: A32

W NOEL AVE 1967

NOE! W (Cont'd) 1104 Daniel W D ℍ—△821-6902 1106 Petitt J A 1111 Monaghan Martha L (H)—\(\tilde{\Delta}\)821-5742 1119 Turner Shirley A Mrs—△821-4031 1125 Pentecost W J—∆821-1157 1142 Word Louise (H)—\(\triangle 821-8988\) Meadow La 1162 Nichols P E (H) 1170 Vacant 1184 Mason W L (H)—△821-6906 1184(r) McCoy L R Nichols L B 1251 Galis Mfg Co 1303 Hayden C F ⊕ — △821-3541 1307 Rickard D S 1350 Francis W G—△821-4239 1351 Edwards J P (9)—\(\triangle 821-7761 1354 Jones R A—△821-7466 1358 Walters J B—A821-8148 1360 Vacant 1362 Beal C E ℍ—△821-7399 1363 Cates M E ℍ—△821-3858 1364 Cates J E ℍ—△821-4978 1365 Beal Volney (H) ws Day Ruth R Mrs (H) - \$\triangle 821-6186 1370 Day J T—△821-1912 1380 Daniel R A (H)—△821-5056 1409 Hancock J C ℍ—△821-5541 1417 Hancock Mabel D Mrs (H) 1425 Brown H E 的—Д821-7374 1433 Payne W H ⊕ __ △821-2333 1455 Utley C E ℍ—△821-5306 1467 Daugherty Doris H Mrs—△821-8239 1505 Fuson Floyd ⊕—△821-5290 1510 Vacant 1520 Kellough E R—△821-8455 NOEL PLACE S fr W Noel to dead end, 2nd ct w of Pride 236 Jones John—△821-3110



Harper Village 445 Browning Street Madisonville, KY 42431

Inquiry Number: 7679837.2s

June 12, 2024

The EDR Radius Map™ Report with GeoCheck®



6 Armstrong Road, 4th floor Shelton, CT 06484 Toll Free: 800.352.0050 www.edrnet.com

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Please contact EDR at 1-800-352-0050
with any questions or comments.

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A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527 - 21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E2247 - 16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E1528 - 22) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

445 BROWNING STREET MADISONVILLE, KY 42431

COORDINATES

Latitude (North): 37.3366430 - 37° 20' 11.91" Longitude (West): 87.5134460 - 87° 30' 48.40"

Universal Tranverse Mercator: Zone 16 UTM X (Meters): 454516.5 UTM Y (Meters): 4132138.0

Elevation: 432 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 50023974 MADISONVILLE WEST, KY

Version Date: 2022

East Map: 50024137 MADISONVILLE EAST, KY

Version Date: 2022

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20200601 Source: USDA

MAPPED SITES SUMMARY

Target Property Address: 445 BROWNING STREET MADISONVILLE, KY 42431

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	SHARKEYS	820 W NOEL AVE	UST	Lower	213, 0.040, SSW
A2	SHARKEYS	820 W NOEL AVE	UST FINDER, UST FINDER RELEASE	Lower	213, 0.040, SSW
A3	SHARKEYS	820 W NOEL AVE	UST FINDER	Lower	213, 0.040, SSW
A4	SHARKEYS WESTSIDE SE	820 W NOEL ST	EDR Hist Auto	Lower	213, 0.040, SSW
5	MILLS WELDING & MACH	720 WEST NOEL AVENUE	RCRA NonGen / NLR, FINDS, ECHO	Higher	391, 0.074, SSE
6	CHERRY STREET GARDEN	686 CHERRY ST.	SHWS	Higher	413, 0.078, SE
B7	RENTAL PROPERTY	626 W NOEL AVE	UST	Higher	928, 0.176, SE
B8	RENTAL PROPERTY	626 W NOEL AVE	UST FINDER, UST FINDER RELEASE	Higher	928, 0.176, SE
9	DOLLAR GENERAL STORE	925 WEST NOEL AVE	RCRA NonGen / NLR, E MANIFEST	Lower	942, 0.178, WSW
B10	LARRY J MORRISON PRO	603 W NOEL	UST	Higher	972, 0.184, ESE
B11	LARRY J MORRISON PRO	603 W NOEL	UST FINDER, UST FINDER RELEASE	Higher	972, 0.184, ESE
B12	AK PETROLEUM	600 W NOEL AVE	UST FINDER, UST FINDER RELEASE	Higher	1041, 0.197, SE
B13	AK PETROLEUM	600 W NOEL AVE	UST	Higher	1041, 0.197, SE
C14	JANICE BEARD PROPERT	583 WEST NOEL STREET	RCRA NonGen / NLR	Higher	1064, 0.202, ESE
D15	ASHMORE DIST	640 LINCOLN AVE	UST	Higher	1128, 0.214, SE
D16	ASHMORE DIST	640 LINCOLN AVE	UST FINDER, UST FINDER RELEASE	Higher	1128, 0.214, SE
C17	JANICE BEARD PROPERT	538 W NOEL ST	UST FINDER, UST FINDER RELEASE	Higher	1306, 0.247, ESE
C18	JANICE BEARD PROPERT	538 W NOEL ST	UST	Higher	1306, 0.247, ESE
19	MAX ARNOLD & SONS IN	181 MURRAY ST	UST FINDER, UST FINDER RELEASE	Higher	1466, 0.278, SE
20	MADISONVILLE STATE V	150 SCHOOL AVENUE	SHWS, UST, RCRA NonGen / NLR, FINDS, ECHO	Higher	1603, 0.304, SSE
21	GORDON CONSTRUCTION	BROWN ST	SWF/LF	Higher	1853, 0.351, East
22	JOY MANUFACTURING CO	555 BROWN LN	UST FINDER, UST FINDER RELEASE	Lower	1921, 0.364, NW
E23	THOMPSON SANITARY SU	158 LUNSFORD	UST FINDER, UST FINDER RELEASE	Higher	2540, 0.481, ESE
F24	BROWNING SPRINGS MID	357 W ARCH ST	UST FINDER, UST FINDER RELEASE	Higher	2560, 0.485, SE
F25	MADISONVILLE OLD TRA	HOPEWELL ST	SEMS-ARCHIVE	Higher	2591, 0.491, SE
E26	MADISONVILLE OLD TRA	HOPEWELL STREET	SHWS	Higher	2695, 0.510, ESE
G27	HOPKINS CO STATE MAI	PRIDE AVENUE	SHWS, INST CONTROL	Higher	3427, 0.649, NE
G28	HOPKINS CO STATE MAI	1020 PRIDE ROAD	SHWS	Higher	3427, 0.649, NE
29	FIRST UNITED BANK OF	162 NORTH MAIN STREE	SHWS	Higher	4103, 0.777, ESE
30	MADISONVILLE WATER T	850 LAKE PEE WEE RD	SHWS, SWF/LF, NPDES	Higher	4237, 0.802, NW
31	GAP FILLER ANNEX P-8	GAP FILLER ANNEX P-8	SHWS	Higher	4617, 0.874, SE
32	MCCOY MANAGEMENT SER	1300 N MAIN ST	SHWS	Higher	5056, 0.958, NE

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL	(Superfund) sites
----------------------	-------------------

NPL	National Priority List
Proposed NPL	Proposed National Priority List S

Proposed NPL......Proposed National Priority NPL LIENS.....Federal Superfund Liens

Lists of Federal Delisted NPL sites

Delisted NPL...... National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY	Federal Facility Site Information listing
SEMS	Superfund Enterprise Management System

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS...... Corrective Action Report

Lists of Federal RCRA TSD facilities

RCRA-TSDF...... RCRA - Treatment, Storage and Disposal

Lists of Federal RCRA generators

RCRA-LQG	RCRA - Large Quantity Generators
	RCRA - Small Quantity Generators

RCRA-VSQG......RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity

Generators)

Federal institutional controls / engineering controls registries

LUCIS	Land Use Control Information System
	Engineering Controls Sites List
	Institutional Controls Sites List

Federal ERNS list

ERNS..... Emergency Response Notification System

Lists of state and	tribal	leaking	storage	tanks
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PSTEAF..... Facility Ranking List

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

SB193 Branch Site Inventory List

Lists of state and tribal registered storage tanks

FEMA UST...... Underground Storage Tank Listing AST...... Above Ground Storage Tanks

INDIAN UST..... Underground Storage Tanks on Indian Land

State and tribal institutional control / engineering control registries

ENG CONTROLS..... Engineering Controls Site Listing INST CONTROL...... State Superfund Database

Lists of state and tribal voluntary cleanup sites

VCP...... Voluntary Cleanup Program Sites INDIAN VCP...... Voluntary Cleanup Priority Listing

Lists of state and tribal brownfield sites

BROWNFIELDS..... Kentucky Brownfield Inventory

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

HIST LF..... Historical Landfills SWRCY..... Recycling Facilities

INDIAN ODI...... Report on the Status of Open Dumps on Indian Lands

ODI...... Open Dump Inventory

DEBRIS REGION 9...... Torres Martinez Reservation Illegal Dump Site Locations

IHS OPEN DUMPS..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL..... Delisted National Clandestine Laboratory Register CDL..... Clandestine Drub Lab Location Listing US CDL..... National Clandestine Laboratory Register

Local Land Records

LIENS 2..... CERCLA Lien Information

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System

SPILLS..... State spills

Other Ascertainable Records

FUDS..... Formerly Used Defense Sites DOD...... Department of Defense Sites

SCRD DRYCLEANERS...... State Coalition for Remediation of Drycleaners Listing

US FIN ASSUR..... Financial Assurance Information

EPA WATCH LIST..... EPA WATCH LIST

2020 COR ACTION...... 2020 Corrective Action Program List

TSCA...... Toxic Substances Control Act

TRIS...... Toxic Chemical Release Inventory System

SSTS..... Section 7 Tracking Systems ROD...... Records Of Decision RMP...... Risk Management Plans

RAATS...... RCRA Administrative Action Tracking System

PRP......Potentially Responsible Parties PADS...... PCB Activity Database System

ICIS...... Integrated Compliance Information System

Act)/TSCA (Toxic Substances Control Act)

..... Material Licensing Tracking System COAL ASH DOE..... Steam-Electric Plant Operation Data

COAL ASH EPA Coal Combustion Residues Surface Impoundments List

PCB TRANSFORMER...... PCB Transformer Registration Database

RADINFO...... Radiation Information Database

HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing

DOT OPS...... Incident and Accident Data

CONSENT..... Superfund (CERCLA) Consent Decrees

INDIAN RESERV..... Indian Reservations

FUSRAP..... Formerly Utilized Sites Remedial Action Program

UMTRA..... Uranium Mill Tailings Sites

LEAD SMELTERS..... Lead Smelter Sites

US AIRS..... Aerometric Information Retrieval System Facility Subsystem

US MINES...... Mines Master Index File ABANDONED MINES..... Abandoned Mines

MINES MRDS..... Mineral Resources Data System

FINDS_____Facility Index System/Facility Registry System DOCKET HWC..... Hazardous Waste Compliance Docket Listing

UXO...... Unexploded Ordnance Sites

ECHO..... Enforcement & Compliance History Information

FUELS PROGRAM..... EPA Fuels Program Registered Listing

PFAS NPL..... Superfund Sites with PFAS Detections Information

PFAS FEDERAL SITES..... Federal Sites PFAS Information

PFAS TSCA...... PFAS Manufacture and Imports Information

PFAS TRIS..... List of PFAS Added to the TRI

PFAS RCRA MANIFEST..... PFAS Transfers Identified In the RCRA Database Listing

PFAS ATSDR PFAS Contamination Site Location Listing PFAS WQP..... Ambient Environmental Sampling for PFAS PFAS NPDES...... Clean Water Act Discharge Monitoring Information

PFAS ECHO..... Facilities in Industries that May Be Handling PFAS Listing PFAS ECHO FIRE TRAIN.... Facilities in Industries that May Be Handling PFAS Listing PFAS PT 139 AIRPORT..... All Certified Part 139 Airports PFAS Information Listing

AQUEOUS FOAM NRC..... Aqueous Foam Related Incidents Listing BIOSOLIDS...... ICIS-NPDES Biosolids Facility Data

PFAS Detections Site Listing AIRS..... Permitted Airs Facility Listing ASBESTOS..... Asbestos Notification Listing COAL ASH..... Coal Ash Disposal Sites

DRYCLEANERS..... Drycleaner Listing

Financial Assurance Information Listing

LEAD..... Environmental Lead Program Report Tracking Database

NPDES..... Permitted Facility Listing

._____ UIC Information

PFAS PROJECT...... NORTHEASTERN UNIVERSITY PFAS PROJECT

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP..... EDR Proprietary Manufactured Gas Plants EDR Hist Cleaner EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF..... Recovered Government Archive Solid Waste Facilities List

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in **bold italics** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for

listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 04/22/2024 has revealed that there is 1 SEMS-ARCHIVE site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MADISONVILLE OLD TRA Site ID: 0402175 EPA Id: KYD980846216	HOPEWELL ST	SE 1/4 - 1/2 (0.491 mi.)	F25	71

Lists of state- and tribal hazardous waste facilities

SHWS: The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Environmental Protection's Uncontrolled Site Branch List.

A review of the SHWS list, as provided by EDR, and dated 11/27/2023 has revealed that there are 9 SHWS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CHERRY STREET GARDEN Facility Id: 115537 Facility Status: Closed	686 CHERRY ST.	SE 0 - 1/8 (0.078 mi.)	6	19
MADISONVILLE STATE V Facility Id: 52360 Facility Status: Closed	150 SCHOOL AVENUE	SSE 1/4 - 1/2 (0.304 mi.)	20	57
MADISONVILLE OLD TRA Facility Id: 52130 Facility Status: Closed	HOPEWELL STREET	ESE 1/2 - 1 (0.510 mi.)	E26	73
HOPKINS CO STATE MAI Facility Id: 47770 Facility Status: Closed	PRIDE AVENUE	NE 1/2 - 1 (0.649 mi.)	G27	74
HOPKINS CO STATE MAI Facility Id: 47770 Facility Status: Closed	1020 PRIDE ROAD	NE 1/2 - 1 (0.649 mi.)	G28	74
FIRST UNITED BANK OF Facility Id: 52867 Facility Status: Closed	162 NORTH MAIN STREE	ESE 1/2 - 1 (0.777 mi.)	29	75
MADISONVILLE WATER T Facility Id: 1895 Facility Status: Closed	850 LAKE PEE WEE RD	NW 1/2 - 1 (0.802 mi.)	30	75
GAP FILLER ANNEX P-8 Facility Id: 52386 Facility Status: Closed	GAP FILLER ANNEX P-8	SE 1/2 - 1 (0.874 mi.)	31	78
MCCOY MANAGEMENT SER	1300 N MAIN ST	NE 1/2 - 1 (0.958 mi.)	32	79

Facility Id: 66650 Facility Status: Closed

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Department of Environmental Protection's List of All Active Contained & Residential Landfills/List of All Transfer Stations.

A review of the SWF/LF list, as provided by EDR, and dated 03/06/2024 has revealed that there is 1 SWF/LF site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GORDON CONSTRUCTION Status: Terminated Facility Id: 43283	BROWN ST	E 1/4 - 1/2 (0.351 mi.)	21	66

Lists of state and tribal registered storage tanks

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Protection's Owner/Facility Report of All Tanks Regardless of Status list.

A review of the UST list, as provided by EDR, and dated 02/02/2024 has revealed that there are 6 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RENTAL PROPERTY Tank Status: TRM Facility Id: 61038 Closed In Place Date: 12/16/1998	626 W NOEL AVE	SE 1/8 - 1/4 (0.176 mi.)	B7	19
LARRY J MORRISON PRO Tank Status: TRM Facility Id: 70029 Closed In Place Date: 03/01/1991	603 W NOEL	ESE 1/8 - 1/4 (0.184 mi.)	B10	32
AK PETROLEUM Tank Status: TAC Tank Status: TRM Facility Id: 61058	600 W NOEL AVE	SE 1/8 - 1/4 (0.197 mi.)	B13	37
ASHMORE DIST Tank Status: TRM Facility Id: 61070	640 LINCOLN AVE	SE 1/8 - 1/4 (0.214 mi.)	D15	45
JANICE BEARD PROPERT Tank Status: TRM Facility Id: 49971 Closed In Place Date: 01/01/1978	538 W NOEL ST	ESE 1/8 - 1/4 (0.247 mi.)	C18	50
Lower Elevation	Address	Direction / Distance	Map ID	Page
SHARKEYS	820 W NOEL AVE	SSW 0 - 1/8 (0.040 mi.)	A1	8

Tank Status: TCP Tank Status: TRM Facility Id: 65664

Closed In Place Date: 05/01/1984

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 12/04/2023 has revealed that there are 3 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MILLS WELDING & MACH EPA ID:: KYD985079821	720 WEST NOEL AVENUE	SSE 0 - 1/8 (0.074 mi.)	5	15
JANICE BEARD PROPERT EPA ID:: KYR000035774	583 WEST NOEL STREET	ESE 1/8 - 1/4 (0.202 mi.)	C14	41
Lower Elevation	Address	Direction / Distance	Map ID	Page
DOLLAR GENERAL STORE EPA ID:: KYR000062612	925 WEST NOEL AVE	WSW 1/8 - 1/4 (0.178 mi.)	9	24

UST FINDER RELEASE: US EPA's UST Finder data is a national composite of leaking underground storage tanks. This data contains information about, and locations of, leaking underground storage tanks. Data was collected from state sources and standardized into a national profile by EPA's Office of Underground Storage Tanks, Office of Research and Development, and the Association of State and Territorial Solid Waste Management Officials.

A review of the UST FINDER RELEASE list, as provided by EDR, and dated 06/08/2023 has revealed that there are 10 UST FINDER RELEASE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RENTAL PROPERTY	626 W NOEL AVE	SE 1/8 - 1/4 (0.176 mi.)	B8	22
LARRY J MORRISON PRO	603 W NOEL	ESE 1/8 - 1/4 (0.184 mi.)	B11	33
AK PETROLEUM	600 W NOEL AVE	SE 1/8 - 1/4 (0.197 mi.)	B12	35
ASHMORE DIST	640 LINCOLN AVE	SE 1/8 - 1/4 (0.214 mi.)	D16	46
JANICE BEARD PROPERT	538 W NOEL ST	ESE 1/8 - 1/4 (0.247 mi.)	C17	48
MAX ARNOLD & SONS IN	181 MURRAY ST	SE 1/4 - 1/2 (0.278 mi.)	19	54
THOMPSON SANITARY SU	158 LUNSFORD	ESE 1/4 - 1/2 (0.481 mi.)	E23	68
BROWNING SPRINGS MID	357 W ARCH ST	SE 1/4 - 1/2 (0.485 mi.)	F24	70
Lower Elevation	Address	Direction / Distance	Map ID	Page
SHARKEYS	820 W NOEL AVE	SSW 0 - 1/8 (0.040 mi.)	A2	11

Lower Elevation	Address	Direction / Distance	Map ID	Page
JOY MANUFACTURING CO	555 BROWN LN	NW 1/4 - 1/2 (0.364 mi.)	22	66

UST FINDER: EPA developed UST Finder, a web map application containing a comprehensive, state-sourced national map of underground storage tank (UST) and leaking UST (LUST) data. It provides the attributes and locations of active and closed USTs, UST facilities, and LUST sites from states and from Tribal lands and US territories. UST Finder contains information about proximity of UST facilities and LUST sites to: surface and groundwater public drinking water protection areas; estimated number of private domestic wells and number of people living nearby; and flooding and wildfires.

A review of the UST FINDER list, as provided by EDR, and dated 06/08/2023 has revealed that there are 7 UST FINDER sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RENTAL PROPERTY	626 W NOEL AVE	SE 1/8 - 1/4 (0.176 mi.)	B8	22
LARRY J MORRISON PRO	603 W NOEL	ESE 1/8 - 1/4 (0.184 mi.)	B11	33
AK PETROLEUM	600 W NOEL AVE	SE 1/8 - 1/4 (0.197 mi.)	B12	35
ASHMORE DIST	640 LINCOLN AVE	SE 1/8 - 1/4 (0.214 mi.)	D16	46
JANICE BEARD PROPERT	538 W NOEL ST	ESE 1/8 - 1/4 (0.247 mi.)	C17	48
Lower Elevation	Address	Direction / Distance	Map ID	Page
SHARKEYS	820 W NOEL AVE	SSW 0 - 1/8 (0.040 mi.)	A2	11
SHARKEYS	820 W NOEL AVE	SSW 0 - 1/8 (0.040 mi.)	A3	13

E MANIFEST: EPA established a national system for tracking hazardous waste shipments electronically. This system, known as ?e-Manifest,? will modernize the nation?s cradle-to-grave hazardous waste tracking process while saving valuable time, resources, and dollars for industry and states.

A review of the E MANIFEST list, as provided by EDR, and dated 07/24/2023 has revealed that there is 1 E MANIFEST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
DOLLAR GENERAL STORE	925 WEST NOEL AVE	WSW 1/8 - 1/4 (0.178 mi.)	9	24

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there is 1 EDR Hist Auto

site within approximately 0.125 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SHARKEYS WESTSIDE SE	820 W NOEL ST	SSW 0 - 1/8 (0.040 mi.)	A4	14

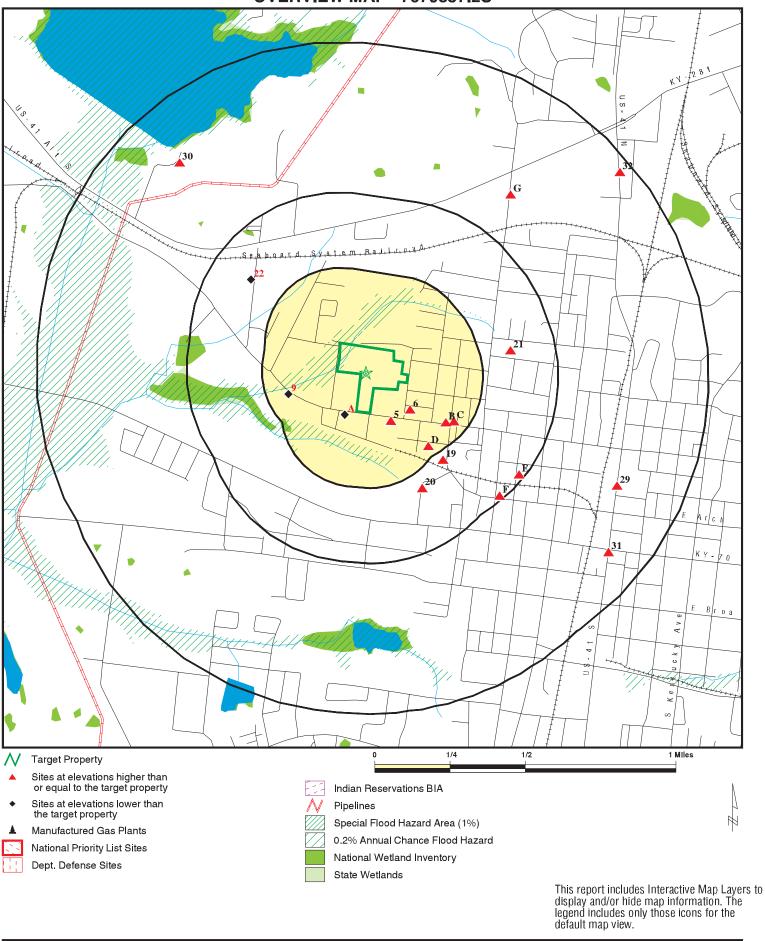
Due to poor or inadequate address information, the following sites were not mapped. Count: 2 records.

Site Name Database(s)

GLITTERWRAP INC ZEIGLER COAL COMPANY SHWS

SEMS-ARCHIVE

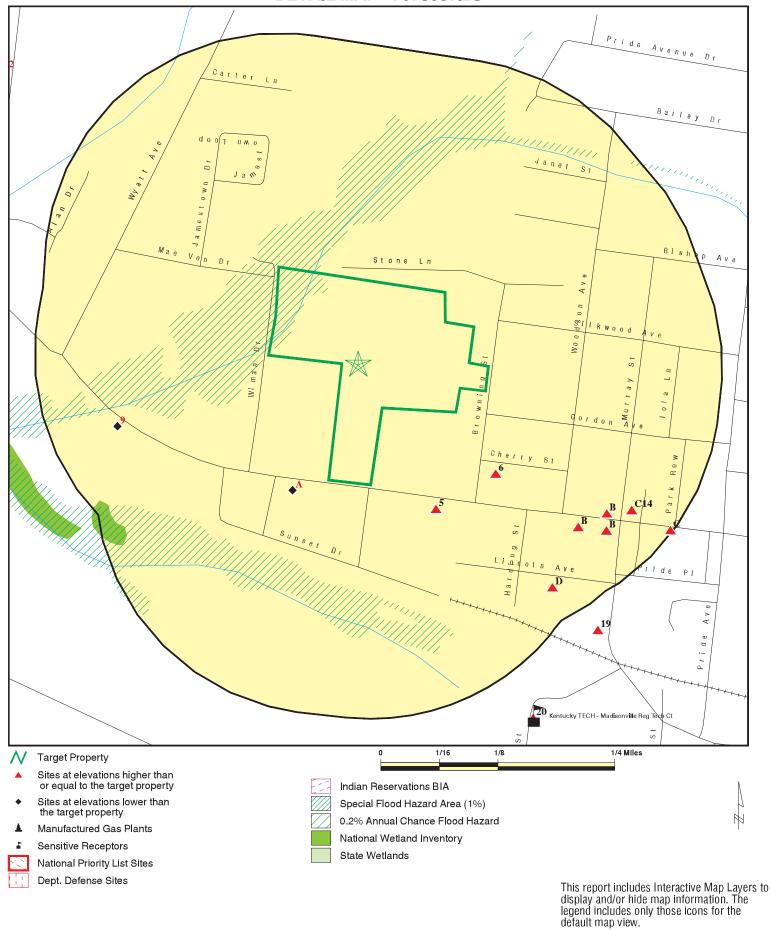
OVERVIEW MAP - 7679837.2S



SITE NAME: Harper Village
ADDRESS: 445 Browning Street
Madisonville KY 42431
LAT/LONG: 37.336643 / 87.513446

CLIENT: Linebach Funkhouser Inc.
CONTACT: Eric Altobellis
INQUIRY #: 7679837.2s
DATE: June 12, 2024 3:53 pm

DETAIL MAP - 7679837.2S



SITE NAME: Harper Village
ADDRESS: 445 Browning Street
Madisonville KY 42431
LAT/LONG: 37.336643 / 87.513446

CLIENT: Linebach Funkhouser Inc.
CONTACT: Eric Altobellis
INQUIRY #: 7679837.2s
DATE: June 12, 2024 3:55 pm

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENT	TAL RECORDS							
Lists of Federal NPL (Su	perfund) site	s						
NPL Proposed NPL NPL LIENS	1.000 1.000 1.000		0 0 0	0 0 0	0 0 0	0 0 0	NR NR NR	0 0 0
Lists of Federal Delisted	NPL sites							
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites sul CERCLA removals and C		ers						
FEDERAL FACILITY SEMS	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
Lists of Federal CERCLA	A sites with N	FRAP						
SEMS-ARCHIVE	0.500		0	0	1	NR	NR	1
Lists of Federal RCRA fa undergoing Corrective A								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA To	SD facilities							
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA ge	enerators							
RCRA-LQG RCRA-SQG RCRA-VSQG	0.250 0.250 0.250		0 0 0	0 0 0	NR NR NR	NR NR NR	NR NR NR	0 0 0
Federal institutional con engineering controls reg								
LUCIS US ENG CONTROLS US INST CONTROLS	0.500 0.500 0.500		0 0 0	0 0 0	0 0 0	NR NR NR	NR NR NR	0 0 0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
Lists of state- and tribal hazardous waste facilitie	es							
SHWS	1.000		1	0	1	7	NR	9
Lists of state and tribal land solid waste disposal								
SWF/LF	0.500		0	0	1	NR	NR	1
Lists of state and tribal l	eaking storag	ge tanks						
PSTEAF	0.500		0	0	0	NR	NR	0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST SB193	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
Lists of state and tribal r	registered sto	rage tanks						
FEMA UST UST AST INDIAN UST	0.250 0.250 0.250 0.250		0 1 0 0	0 5 0	NR NR NR NR	NR NR NR NR	NR NR NR NR	0 6 0
State and tribal institution control / engineering control		es						
ENG CONTROLS INST CONTROL	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
Lists of state and tribal v	oluntary clea	anup sites						
VCP INDIAN VCP	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
Lists of state and tribal k	prownfield sit	es						
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMEN	ITAL RECORDS	<u>s</u>						
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / S Waste Disposal Sites	Solid							
HIST LF SWRCY INDIAN ODI ODI DEBRIS REGION 9 IHS OPEN DUMPS	0.500 0.500 0.500 0.500 0.500 0.500		0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	NR NR NR NR NR	NR NR NR NR NR	0 0 0 0 0
Local Lists of Hazardous Contaminated Sites	s waste /							
US HIST CDL CDL US CDL	0.001 0.001 0.001		0 0 0	NR NR NR	NR NR NR	NR NR NR	NR NR NR	0 0 0
Local Land Records								
LIENS 2	0.001		0	NR	NR	NR	NR	0
Records of Emergency F	Release Repo	rts						
HMIRS SPILLS	0.001 0.001		0 0	NR NR	NR NR	NR NR	NR NR	0 0
Other Ascertainable Rec	ords							
RCRA NonGen / NLR	0.250		1	2	NR	NR	NR	3

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		Ö	Ö	Ö	Ö	NR	Ö
SCRD DRYCLEANERS	0.500		0	Ō	Ö	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS MLTS	0.001 0.001		0 0	NR NR	NR NR	NR NR	NR NR	0 0
COAL ASH DOE	0.001		0	NR	NR NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		Ö	NR	NR	NR	NR	ő
CONSENT	1.000		Ö	0	0	0	NR	Ö
INDIAN RESERV	1.000		Ö	Ö	Ö	Ö	NR	Ö
FUSRAP	1.000		Ō	Ö	Ö	Ö	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
MINES MRDS	0.250		0	0	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
PFAS NPL	0.250		0	0	NR	NR	NR	0
PFAS FEDERAL SITES PFAS TSCA	0.250		0	0	NR NR	NR NR	NR NR	0
	0.250		0	0				0 0
PFAS TRIS PFAS RCRA MANIFEST	0.250 0.250		0 0	0 0	NR NR	NR NR	NR NR	0
PFAS ATSDR	0.250		0	0	NR	NR	NR	0
PFAS WQP	0.250		0	0	NR	NR	NR	0
PFAS NPDES	0.250		0	0	NR	NR	NR	0
PFAS ECHO	0.250		0	0	NR	NR	NR	0
PFAS ECHO FIRE TRAIN	0.250		0	Ö	NR	NR	NR	0
PFAS PT 139 AIRPORT	0.250		Ő	Ö	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		Ö	Ö	NR	NR	NR	Ö
BIOSOLIDS	0.001		Ő	NR	NR	NR	NR	Õ
PFAS	0.250		0	0	NR	NR	NR	0

	Search Distance	Target						Total
Database	(Miles)	Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Plotted
AIRS	0.001		0	NR	NR	NR	NR	0
ASBESTOS	0.001		0	NR	NR	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
LEAD	0.001		0	NR	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
UST FINDER RELEASE	0.500		1	5	4	NR	NR	10
UST FINDER	0.250		2	5	NR	NR	NR	7
PFAS PROJECT	0.500		0	0	0	NR	NR	0
E MANIFEST	0.250		0	1	NR	NR	NR	1
EDR HIGH RISK HISTORICA	L RECORDS							
EDR Exclusive Records								
EDR Exclusive Records EDR MGP	1.000		0	0	0	0	NR	0
	1.000 0.125		0 1	0 NR	0 NR	0 NR	NR NR	0 1
EDR MGP			-	-	-	-		_
EDR MGP EDR Hist Auto	0.125 0.125	<u>ves</u>	1	NR	NR	NR	NR	1
EDR MGP EDR Hist Auto EDR Hist Cleaner EDR RECOVERED GOVERN	0.125 0.125 MENT ARCHIV	VES_	1	NR	NR	NR	NR	1
EDR MGP EDR Hist Auto EDR Hist Cleaner	0.125 0.125 MENT ARCHIV	<u>VES</u>	1	NR	NR	NR	NR	1
EDR MGP EDR Hist Auto EDR Hist Cleaner EDR RECOVERED GOVERN	0.125 0.125 MENT ARCHIV	<u>VES</u>	1	NR	NR	NR	NR	1
EDR MGP EDR Hist Auto EDR Hist Cleaner EDR RECOVERED GOVERN Exclusive Recovered Government	0.125 0.125 MENT ARCHIV	<u>VES</u>	1 0	NR NR	NR NR	NR NR	NR NR	1 0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Direction Distance

Elevation Site Database(s) **EPA ID Number**

Α1 **SHARKEYS** UST U004179740 SSW 820 W NOEL AVE N/A

MADISONVILLE, KY 42431 < 1/8

0.040 mi.

213 ft. Site 1 of 4 in cluster A

UST: Relative: Lower

SHARKEYS Name: Address: 820 W NOEL AVE Actual: City,State,Zip: MADISONVILLE, KY 42431

430 ft.

Sequence Id: 8516054 Facility ID: 65664 Owner Name: Bill Holmes 820 W Noe Ave Owner Address: Owner Address2: Not reported

Owner City, St, Zip: Madisonville, KY 42431

Not reported

Internal Document ID:

Owner Address3:

-87.51490116 Latitude: 37.33484049 Longitude:

Not reported Inert Material: Removed Date: Not reported Change in Service Date: Not reported Tank Pit Num: Not reported Tank Mfg: Not reported Tank EXT Corr Protect: Unknown Tank Overfill Protection: Unknown Last Tank Test Date: Not reported Relined Date: Not reported Lining Insp Date: Not reported Pipe Release Detection: Unknown Pipe Rel Detect Suc: Unknown Pipe Leak Detect: Not reported Last Contained Date: Not reported Pipe Mfg: Not reported Last Pipe Test Date: Not reported Last CP Test Date: Not reported

Added To Flex Date: Not reported Added To Piping Date: Not reported Single Wall Steel Tank Material: Tank Release Detect: None Tank Int Protect: Unknown

Unknown Pipe Material: Pipe Ext Corr Protect: Unknown Pipe Type: Unknown Tank Substance: Gasoline

Subject Item ID:

Tank Status: Closed In Place Installation Date: 01/01/1976 Closed In Place Date: Not reported Capacity in Gallons: 1,000 Compartment Number:

Piping Installation Date: Not reported Added To Tank Date: Not reported

Inert Material: Not reported Not reported Removed Date: Change in Service Date: Not reported **EDR ID Number**

Direction Distance Elevation

Site Database(s) EPA ID Number

U004179740

EDR ID Number

SHARKEYS (Continued)

Tank Pit Num: Not reported Not reported Tank Mfg: Tank EXT Corr Protect: Unknown Tank Overfill Protection: Unknown Last Tank Test Date: Not reported Relined Date: Not reported Lining Insp Date: Not reported Pipe Release Detection: Unknown Pipe Rel Detect Suc: Unknown Pipe Leak Detect: Not reported Last Contained Date: Not reported Not reported Pipe Mfg: Last Pipe Test Date: Not reported Last CP Test Date: Not reported Added To Flex Date: Not reported Added To Piping Date: Not reported Single Wall Steel Tank Material:

Tank Release Detect:
Tank Int Protect:
Unknown
Pipe Material:
Unknown
Pipe Ext Corr Protect:
Unknown
Pipe Type:
Unknown
Tank Substance:
Subject Item ID:

None
Unknown
Unknown
Gasoline

Tank Status: Closed In Place
Installation Date: 01/01/1976
Closed In Place Date: Not reported
Capacity in Gallons: 500
Compartment Number: 1

Piping Installation Date: Not reported Added To Tank Date: Not reported

Inert Material: Not reported Removed Date: Not reported Not reported Change in Service Date: Tank Pit Num: Not reported Tank Mfg: Not reported Tank EXT Corr Protect: Unknown Tank Overfill Protection: Unknown Last Tank Test Date: Not reported Not reported Relined Date: Not reported Lining Insp Date: Pipe Release Detection: Unknown Pipe Rel Detect Suc: Unknown Pipe Leak Detect: Not reported Last Contained Date: Not reported Pipe Mfg: Not reported Last Pipe Test Date: Not reported Last CP Test Date: Not reported Added To Flex Date: Not reported Added To Piping Date: Not reported Tank Material: Single Wall Steel

Tank Release Detect: None
Tank Int Protect: Unknown
Pipe Material: Unknown
Pipe Ext Corr Protect: Unknown
Pipe Type: Unknown

Distance Elevation

Site Database(s) EPA ID Number

SHARKEYS (Continued) U004179740

Tank Substance: Gasoline

Subject Item ID: 3

Tank Status: Closed In Place Installation Date: 01/01/1976
Closed In Place Date: Not reported

Capacity in Gallons: 500 Compartment Number: 1

Piping Installation Date: Not reported Added To Tank Date: Not reported

Inert Material: Not reported 03/18/2011 Removed Date: Change in Service Date: Not reported Tank Pit Num: Not reported Tank Mfg: Not reported Tank EXT Corr Protect: Not reported Tank Overfill Protection: Not reported Last Tank Test Date: Not reported Relined Date: Not reported Lining Insp Date: Not reported Pipe Release Detection: Not reported Pipe Rel Detect Suc: Not reported Not reported Pipe Leak Detect: Last Contained Date: 05/01/1984 Pipe Mfg: Not reported Last Pipe Test Date: Not reported Last CP Test Date: Not reported Added To Flex Date: Not reported Added To Piping Date: Not reported Not reported Tank Material: Not reported Tank Release Detect: Tank Int Protect: Not reported Pipe Material: Not reported

Tank Substance: Gasoline Subject Item ID: 4

Pipe Ext Corr Protect:

Pipe Type:

Tank Status: Removed Tank Verified

Not reported Not reported

Installation Date: 01/01/1901 Closed In Place Date: 05/01/1984 Capacity in Gallons: 1,000 Compartment Number: 1

Piping Installation Date: Not reported Added To Tank Date: Not reported

Inert Material: Not reported Removed Date: 03/18/2011 Change in Service Date: Not reported Tank Pit Num: Not reported Tank Mfg: Not reported Tank EXT Corr Protect: Not reported Tank Overfill Protection: Not reported Last Tank Test Date: Not reported Relined Date: Not reported Lining Insp Date: Not reported Not reported Pipe Release Detection: Pipe Rel Detect Suc: Not reported **EDR ID Number**

Direction Distance

Elevation Site Database(s) **EPA ID Number**

SHARKEYS (Continued) U004179740

Pipe Leak Detect: Not reported 05/01/1984 Last Contained Date: Pipe Mfg: Not reported Last Pipe Test Date: Not reported Last CP Test Date: Not reported Added To Flex Date: Not reported Not reported Added To Piping Date: Tank Material: Not reported Tank Release Detect: Not reported Tank Int Protect: Not reported Pipe Material: Not reported Not reported Pipe Ext Corr Protect: Pipe Type: Not reported Tank Substance: Gasoline

Subject Item ID:

Tank Status: Removed Tank Verified

Installation Date: 01/01/1901 05/01/1984 Closed In Place Date: Capacity in Gallons: 1,000 Compartment Number: 1

Piping Installation Date: Not reported Added To Tank Date: Not reported

1028372523 **SHARKEYS UST FINDER** 820 W NOEL AVE **UST FINDER RELEASE** N/A

< 1/8 MADISONVILLE, KY 42431

A2

SSW

0.040 mi.

213 ft. Site 2 of 4 in cluster A UST FINDER: Relative: Lower

Actual: 430 ft.

Object ID: 177351 Facility ID: KY8516054 Name: **SHARKEYS** 820 W NOEL AVE Address: City,State,Zip:

MADISONVILLE, KY 42431 Address Match Type: Not reported

Open USTs: 0

Closed USTs: 3 TOS USTs: 0 Population 1500ft: 322 Private Wells 1500ft: Within 100yr Floodplain: No

Land Use: Developed, Open Space

Within SPA: No

SPA PWS Facility ID: Not reported SPA Water Type: Not reported SPA Facility Type: Not reported SPA HUC12: Not reported Within WHPA: No

WHPA PWS Facility ID: Not reported WHPA Water Type: Not reported WHPA Facility Type: Not reported WHPA HUC12: Not reported Facility Status: Closed UST(s) Date of Last Inspection: Not reported

EPA Region:

Tribe: Not reported Coordinate Source: State

EDR ID Number

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

SHARKEYS (Continued) 1028372523

X Coord: -87.514901 Y Coord: 37.33484 Latitude: 37.33484 Longitude: -87.514901

UST FINDER:

Object ID: 623523 Facility ID: KY8516054 Tank ID: KY8516054_1_1

Tank Status: Closed

Installation Date: 1976/01/01 16:00:00+00

Removal Date: Not reported Tank Capacity: 1000 Substances: Gasoline Tank Wall Type: Single

Object ID: 623524 Facility ID: KY8516054 KY8516054_2_1 Tank ID:

Tank Status: Closed

1976/01/01 16:00:00+00 Installation Date:

Not reported Removal Date: Tank Capacity: 500 Substances: Gasoline Tank Wall Type: Single

Object ID: 623525 Facility ID: KY8516054 Tank ID: KY8516054 3 1

Tank Status: Closed

1976/01/01 16:00:00+00 Installation Date:

Removal Date: Not reported Tank Capacity: 500 Gasoline Substances: Tank Wall Type: Single

UST FINDER RELEASE:

170958 Object ID: Facility ID: KY65664 Lust ID: KY9115 Name: SHARKEYS Address: 820 W NOEL AVE City,State,Zip: MADISONVILLE, KY 0

Address Match Type: Not reported Reported Date: Not reported Status: Unkown Substance: Not reported Population within 1500ft: 322

Domestic Wells within 1500ft:

Land Use: Developed, Open Space

Within SPA:

SPA PWS Facility ID: Not reported SPA Water Type: Not reported SPA Facility Type: Not reported SPA HUC12: Not reported

Within WHPA: No

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

SHARKEYS (Continued) 1028372523

WHPA PWS Facility ID: Not reported Not reported WHPA Water Type: WHPA Facility Type: Not reported WHPA HUC12: Not reported

Within 100yr Floodplain: No

Tribe: Not reported

EPA Region: NFA Letter 1: Not reported NFA Letter 2: Not reported NFA Letter 3: Not reported Not reported NFA Letter 4: Not reported Closed With Residual Contaminate:

Coordinate Source: State X Coord: -87.5149 Y Coord: 37.33484 Latitude: 37.33484

Longitude: -87.5148999999999

А3 **SHARKEYS UST FINDER** 1028375092 SSW N/A

820 W NOEL AVE < 1/8 MADISONVILLE, KY 42431

UST FINDER:

0.040 mi.

Relative:

213 ft. Site 3 of 4 in cluster A

Lower Object ID: 177352 Facility ID: **KYSharkeys** Actual: Name: SHARKEYS 430 ft. 820 W NOEL AVE Address:

City,State,Zip: MADISONVILLE, KY 42431

Address Match Type: Not reported

Open USTs: 0 Closed USTs: 2 TOS USTs: 0 Population 1500ft: 322 Private Wells 1500ft: 0 Within 100yr Floodplain: No

Land Use: Developed, Open Space

Within SPA: No

SPA PWS Facility ID: Not reported SPA Water Type: Not reported SPA Facility Type: Not reported SPA HUC12: Not reported Within WHPA: No

WHPA PWS Facility ID: Not reported WHPA Water Type: Not reported Not reported WHPA Facility Type: WHPA HUC12: Not reported Closed UST(s) Facility Status: Date of Last Inspection: Not reported

EPA Region:

Tribe: Not reported Coordinate Source: State X Coord: -87.514901 Y Coord: 37.33484 Latitude: 37.33484 -87.514901 Longitude:

Direction Distance

EDR ID Number Elevation **EPA ID Number** Site Database(s)

SHARKEYS (Continued) 1028375092

UST FINDER:

Object ID: 576333 Facility ID: **KYSharkeys** KYSharkeys_4_1 Tank ID: Tank Status: Closed

Not reported Installation Date: 2011/03/18 15:59:59+00 Removal Date:

Tank Capacity: 1000 Gasoline Substances: Tank Wall Type: Not reported

576334 Object ID: Facility ID: **KYSharkeys** Tank ID: KYSharkeys_5_1 Tank Status: Closed Installation Date: Not reported

Removal Date: 2011/03/18 15:59:59+00

Tank Capacity: 1000 Substances: Gasoline Tank Wall Type: Not reported

SHARKEYS WESTSIDE SERVICE Α4

SSW 820 W NOEL ST < 1/8 MADISONVILLE, KY 42431

0.040 mi.

213 ft. Site 4 of 4 in cluster A

Relative: Lower

EDR Hist Auto

Year: Name: Type: Actual:

1986 SHARKEYS WESTSIDE SERVICE General Automotive Repair Shops 430 ft. 1987 SHARKEYS WESTSIDE SERVICE General Automotive Repair Shops 1988 SHARKEYS WESTSIDE SERVICE General Automotive Repair Shops 1989 SHARKEYS WESTSIDE SERVICE General Automotive Repair Shops

1990 SHARKEYS WESTSIDE SERVICE General Automotive Repair Shops 1991 SHARKEYS WESTSIDE SERVICE General Automotive Repair Shops 1992 SHARKEYS WESTSIDE SERVICE General Automotive Repair Shops General Automotive Repair Shops 1993 SHARKEYS WESTSIDE SERVICE 1994 SHARKEYS WESTSIDE SERVICE General Automotive Repair Shops 1995 SHARKEYS WESTSIDE SERVICE General Automotive Repair Shops 1996 SHARKEYS WESTSIDE SERVICE General Automotive Repair Shops General Automotive Repair Shops 1997 SHARKEYS WESTSIDE SERVICE 1998 SHARKEYS WESTSIDE SERVICE General Automotive Repair Shops General Automotive Repair Shops 1999 SHARKEYS WESTSIDE SERVICE SHARKEYS WESTSIDE SERVICE

2000 General Automotive Repair Shops 2001 SHARKEYS WESTSIDE SERVICE General Automotive Repair Shops 2002 SHARKEYS WESTSIDE SERVICE General Automotive Repair Shops 2003 SHARKEYS WESTSIDE SERVICE General Automotive Repair Shops 2004 SHARKEYS WESTSIDE SERVICE General Automotive Repair Shops 2005 SHARKEYS WESTSIDE SERVICE General Automotive Repair Shops 2006 SHARKEYS WESTSIDE SERVICE General Automotive Repair Shops 2007 SHARKEYS WESTSIDE SERVICE General Automotive Repair Shops

2008 SHARKEYS WESTSIDE SERVICE General Automotive Repair Shops 2009 SHARKEYS WESTSIDE SERVICE General Automotive Repair Shops 2010 SHARKEYS WESTSIDE SERVICE General Automotive Repair Shops

2011 SHARKEYS WESTSIDE SERVICE General Automotive Repair Shops

EDR Hist Auto

1020785351

N/A

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

SHARKEYS WESTSIDE SERVICE (Continued)

1020785351

2012 SHARKEYS WESTSIDE SERVICE General Automotive Repair Shops 2013 SHARKEYS WESTSIDE SERVICE General Automotive Repair Shops 2014 SHARKEYS WESTSIDE SERVICE General Automotive Repair Shops

MILLS WELDING & MACHINE COMPANY RCRA NonGen / NLR 5 1000461514 SSE **720 WEST NOEL AVENUE FINDS**

KYD985079821

MADISONVILLE, KY 42431 **ECHO** < 1/8

0.074 mi. 391 ft.

Relative: RCRA Listings:

Higher Date Form Received by Agency: 19911218

Handler Name: Mills Welding & Machine Company Actual: West Noel Avenue 435 ft. Handler Address:

Handler City, State, Zip: MADISONVILLE, KY 42431

EPA ID: KYD985079821 Contact Name: MARSHA MILLS

Contact Address: 34 BUCKINGHAM PLACE Contact City, State, Zip: MADISONVILLE, KY 42431 Contact Telephone: 502-825-6392

Contact Fax: Not reported Contact Email: Not reported Contact Title: Not reported EPA Region: 04

Land Type: Private Federal Waste Generator Description: Not a generator, verified

Non-Notifier: Not reported Biennial Report Cycle: Not reported Accessibility: Not reported Active Site Indicator: Not reported

State District Owner: Ky State District: 01

Mailing Address: **BUCKINGHAM PLACE** Mailing City, State, Zip: MADISONVILLE, KY 42431

Owner Name: Estate Of Willy D. Mills-Co Marsha Mills

Owner Type: Private Operator Name: Not reported Operator Type: Not reported

Short-Term Generator Activity: No Importer Activity: No Mixed Waste Generator: No Transporter Activity: No Transfer Facility Activity: No Recycler Activity with Storage: Nο Small Quantity On-Site Burner Exemption: No Smelting Melting and Refining Furnace Exemption: No **Underground Injection Control:** No Off-Site Waste Receipt: No Universal Waste Indicator: No Universal Waste Destination Facility: No Federal Universal Waste: No Active Site State-Reg Handler:

Federal Facility Indicator: Not reported

Hazardous Secondary Material Indicator: NN

Sub-Part K Indicator: Not reported 2018 GPRA Permit Baseline: Not on the Baseline 2018 GPRA Renewals Baseline: Not on the Baseline

202 GPRA Corrective Action Baseline: No

Direction Distance

Elevation Site Database(s) EPA ID Number

MILLS WELDING & MACHINE COMPANY (Continued)

1000461514

EDR ID Number

Subject to Corrective Action Universe: No Non-TSDFs Where RCRA CA has Been Imposed Universe: No

Corrective Action Priority Ranking: No NCAPS ranking

Environmental Control Indicator: No Institutional Control Indicator: No Human Exposure Controls Indicator: N/A Groundwater Controls Indicator: N/A Significant Non-Complier Universe: No Unaddressed Significant Non-Complier Universe: No Addressed Significant Non-Complier Universe: No Significant Non-Complier With a Compliance Schedule Universe: No

Financial Assurance Required:
Handler Date of Last Change:
Recognized Trader-Importer:
No
Recognized Trader-Exporter:
No
Importer of Spent Lead Acid Batteries:
No
Exporter of Spent Lead Acid Batteries:
No

Recycler Activity Without Storage: Not reported Manifest Broker: Not reported

Sub-Part P Indicator: No

Hazardous Waste Summary:

Waste Code: NONE Waste Description: None

Handler - Owner Operator:

Owner/Operator Indicator: Owner

Owner/Operator Name: ESTATE OF WILLY D. MILLS-CO MARSHA MILLS

Legal Status:PrivateDate Became Current:Not reportedDate Ended Current:Not reported

Owner/Operator Address: 34 BUCKINGHAM PLACE
Owner/Operator City, State, Zip: MADISONVILLE, KY 42431

Owner/Operator Telephone: 502-825-1002
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 19911218
Handler Name: MILLS WELDING & MACHINE COMPANY

Federal Waste Generator Description: Not a generator, verified

State District Owner:

Large Quantity Handler of Universal Waste:

Recognized Trader Importer:

Recognized Trader Exporter:

No
Spent Lead Acid Battery Importer:

No
Spent Lead Acid Battery Exporter:

No
Current Record:

Non Storage Recycler Activity:

Not for

Non Storage Recycler Activity: Not reported Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 333319

Distance Elevation

Site Database(s) EPA ID Number

MILLS WELDING & MACHINE COMPANY (Continued)

1000461514

EDR ID Number

NAICS Description: OTHER COMMERCIAL AND SERVICE INDUSTRY MACHINERY MANUFACTURING

Has the Facility Received Notices of Violations:

Found Violation: No

Agency Which Determined Violation: Not reported Not reported Violation Short Description: Date Violation was Determined: Not reported Actual Return to Compliance Date: Not reported Return to Compliance Qualifier: Not reported Violation Responsible Agency: Not reported Scheduled Compliance Date: Not reported Enforcement Identifier: Not reported Date of Enforcement Action: Not reported Enforcement Responsible Agency: Not reported **Enforcement Docket Number:** Not reported Not reported **Enforcement Attorney:** Corrective Action Component: Not reported Appeal Initiated Date: Not reported Appeal Resolution Date: Not reported Disposition Status Date: Not reported Not reported Disposition Status: Disposition Status Description: Not reported

Consent/Final Order Sequence Number:Not reported

Consent/Final Order Respondent Name: Not reported Consent/Final Order Lead Agency: Not reported

Enforcement Type: Not reported

Enforcement Responsible Person: Not reported

Enforcement Responsible Sub-Organization: Not reported

SEP Sequence Number: Not reported

Not reported SEP Expenditure Amount: SEP Scheduled Completion Date: Not reported SEP Actual Date: Not reported SEP Defaulted Date: Not reported SEP Type: Not reported SEP Type Description: Not reported Proposed Amount: Not reported Not reported Final Monetary Amount: Paid Amount: Not reported Final Count: Not reported Final Amount: Not reported

Found Violation: No

Agency Which Determined Violation: Not reported Violation Short Description: Not reported Date Violation was Determined: Not reported Actual Return to Compliance Date: Not reported Return to Compliance Qualifier: Not reported Not reported Violation Responsible Agency: Scheduled Compliance Date: Not reported Enforcement Identifier: Not reported Date of Enforcement Action: Not reported Enforcement Responsible Agency: Not reported Not reported **Enforcement Docket Number:** Not reported **Enforcement Attorney:** Corrective Action Component: Not reported Appeal Initiated Date: Not reported Appeal Resolution Date: Not reported

Distance EDR ID Number
Elevation Site EDR ID Number
Database(s) EPA ID Number

MILLS WELDING & MACHINE COMPANY (Continued)

1000461514

Disposition Status Date:

Disposition Status:

Disposition Status Description:

Not reported

Not reported

Consent/Final Order Sequence Number:Not reported

Consent/Final Order Respondent Name: Not reported Consent/Final Order Lead Agency: Not reported

Enforcement Type: Not reported

Enforcement Responsible Person:

Enforcement Responsible Sub-Organization:

Not reported

Not reported

SEP Sequence Number: Not reported

SEP Expenditure Amount: Not reported SEP Scheduled Completion Date: Not reported SEP Actual Date: Not reported SEP Defaulted Date: Not reported SEP Type: Not reported SEP Type Description: Not reported Not reported Proposed Amount: Final Monetary Amount: Not reported Paid Amount: Not reported Final Count: Not reported Final Amount: Not reported

Evaluation Action Summary:

Evaluation Date: 19911218
Evaluation Responsible Agency: State
Found Violation: No

Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION

Evaluation Responsible Person Identifier: KYSWA Evaluation Responsible Sub-Organization: MA

Actual Return to Compliance Date:

Scheduled Compliance Date:

Not reported
Date of Request:

Not reported
Date Response Received:

Request Agency:

Former Citation:

Not reported
Not reported
Not reported
Not reported

Evaluation Date: 19950622
Evaluation Responsible Agency: State
Found Violation: No

Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION

Evaluation Responsible Person Identifier: KYCTH Evaluation Responsible Sub-Organization: MA

Actual Return to Compliance Date:

Scheduled Compliance Date:

Not reported
Date of Request:

Not reported
Date Response Received:

Request Agency:

Former Citation:

Not reported
Not reported
Not reported
Not reported

FINDS:

Registry ID: 110003235277

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:

The Resource Conservation and Recovery Act Information System

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

MILLS WELDING & MACHINE COMPANY (Continued)

1000461514

(RCRAInfo) is EPA's comprehensive information system in support of the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. It tracks many types of information about generators, transporters, treaters, storers, and disposers of hazardous waste.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000461514 Registry ID: 110003235277

DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110003235277

MILLS WELDING & MACHINE COMPANY Name:

Address: 720 WEST NOEL AVENUE City,State,Zip: MADISONVILLE, KY 42431

CHERRY STREET GARDEN PLOT

SHWS S117892139 SE 686 CHERRY ST.

N/A

MADISONVILLE, KY 42431 < 1/8

0.078 mi. 413 ft.

SHWS: Relative: Higher Name:

CHERRY STREET GARDEN PLOT Address: 686 CHERRY ST.

Actual:

City, State, Zip: MADISONVILLE, KY 42431 443 ft.

Facility Id: 115537 Closed Status:

Description: Cherry Street Garden Plot (Closed: Restored 03/04/2016)

Closure Date: 03/04/2016 Longitude: -87.510556 Latitude: 37.334722 Hopkins Subject Item County: Sub Item Longitude: -87.510673 Sub Item Latitude: 37.335070 Subject Item Address: 686 Cherry St Subject Item Address2: Not reported

Madisonville, KY 42431 Subject Item City, St, Zip: Regulatory Desc: State Superfund Closure Option: Option C Restored

Side SG: Incident Acreage: Not reported

RENTAL PROPERTY B7 UST U003416385 SE **626 W NOEL AVE** N/A

1/8-1/4 MADISONVILLE, KY 42431

0.176 mi.

928 ft. Site 1 of 6 in cluster B

Relative: UST: Higher

RENTAL PROPERTY Name: Address: 626 W NOEL AVE Actual: City, State, Zip: MADISONVILLE, KY 42431 447 ft.

9999950 Sequence Id: Facility ID: 61038 Owner Name: Gary Clark

TC7679837.2s Page 19

Direction Distance Elevation

tion Site Database(s) EPA ID Number

RENTAL PROPERTY (Continued)

U003416385

EDR ID Number

Owner Address: 227 W Lake Loop
Owner Address2: Not reported
Owner Address3: Not reported

Owner City, St, Zip: Madisonville, KY 42431

Internal Document ID: 0

Latitude: -87.509364 Longitude: 37.334259

Inert Material: Not reported Removed Date: 05/04/1999 Change in Service Date: Not reported Tank Pit Num: Not reported Tank Mfg: Not reported Tank EXT Corr Protect: None Tank Overfill Protection: Unknown Last Tank Test Date: Not reported Not reported Relined Date: Lining Insp Date: Not reported Pipe Release Detection: None Pipe Rel Detect Suc: None

Pipe Leak Detect: Not reported Last Contained Date: Not reported Pipe Mfg: Not reported Last Pipe Test Date: Not reported Last CP Test Date: Not reported Added To Flex Date: Not reported Added To Piping Date: Not reported Tank Material: Single Wall Steel

Tank Release Detect: None

Tank Int Protect: Not Applicable
Pipe Material: Single Wall Steel

Pipe Ext Corr Protect: None
Pipe Type: Suction
Tank Substance: Gasoline
Subject Item ID: 1

Tank Status: Removed Tank Verified

Not reported

Installation Date: 07/01/1973
Closed In Place Date: 12/16/1998
Capacity in Gallons: 1,100
Compartment Number: 1

Inert Material:

Piping Installation Date: Not reported Added To Tank Date: Not reported

05/04/1999 Removed Date: Not reported Change in Service Date: Tank Pit Num: Not reported Tank Mfg: Not reported Tank EXT Corr Protect: None Unknown Tank Overfill Protection: Last Tank Test Date: Not reported Relined Date: Not reported Lining Insp Date: Not reported Pipe Release Detection: None Pipe Rel Detect Suc: None Not reported Pipe Leak Detect: Last Contained Date: Not reported

Direction Distance Elevation

on Site Database(s) EPA ID Number

RENTAL PROPERTY (Continued)

U003416385

EDR ID Number

Pipe Mfg: Not reported
Last Pipe Test Date: Not reported
Last CP Test Date: Not reported
Added To Flex Date: Not reported
Added To Piping Date: Not reported
Tank Material: Single Wall Steel

Tank Release Detect: None

Tank Int Protect: Not Applicable
Pipe Material: Single Wall Steel

Pipe Ext Corr Protect: None
Pipe Type: Suction
Tank Substance: Gasoline
Subject Item ID: 2

Tank Status: Removed Tank Verified

Installation Date: 07/01/1973
Closed In Place Date: 12/16/1998
Capacity in Gallons: 1,100
Compartment Number: 1

Piping Installation Date: Not reported Added To Tank Date: Not reported

Inert Material: Not reported 05/04/1999 Removed Date: Change in Service Date: Not reported Tank Pit Num: Not reported Tank Mfg: Not reported Tank EXT Corr Protect: None Tank Overfill Protection: Unknown Last Tank Test Date: Not reported Not reported Relined Date: Not reported Lining Insp Date: Pipe Release Detection: None Pipe Rel Detect Suc: None Pipe Leak Detect: Not reported Last Contained Date:

Last Contained Date:

Pipe Mfg:

Last Pipe Test Date:

Last Pipe Test Date:

Not reported

Single Wall Steel

Tank Release Detect: None

Tank Int Protect: Not Applicable
Pipe Material: Single Wall Steel

Pipe Ext Corr Protect:NonePipe Type:SuctionTank Substance:Gasoline

Subject Item ID: 3

Tank Status: Removed Tank Verified

Installation Date: 07/01/1973
Closed In Place Date: 12/16/1998
Capacity in Gallons: 1,000
Compartment Number: 1

Piping Installation Date: Not reported Added To Tank Date: Not reported

Direction Distance

Distance Elevation Site EDR ID Number

Database(s) EPA ID Number

B8 RENTAL PROPERTY UST FINDER 1028374186
SE 626 W NOEL AVE UST FINDER RELEASE N/A

1/8-1/4 MADISONVILLE, KY 42431

0.176 mi.

928 ft. Site 2 of 6 in cluster B

Relative: UST FINDER: Higher Object ID:

 Higher
 Object ID:
 177342

 Actual:
 Facility ID:
 KY9999950

 447 ft.
 Name:
 RENTAL PR

 447 ft.
 Name:
 RENTAL PROPERTY

 Address:
 626 W NOEL AVE

 City,State,Zip:
 MADISONVILLE, KY 42431

Address Match Type: Not reported

 Open USTs:
 0

 Closed USTs:
 3

 TOS USTs:
 0

 Population 1500ft:
 753

 Private Wells 1500ft:
 0

 Within 100yr Floodplain:
 No

Land Use: Developed, Medium Intensity

Within SPA: No

SPA PWS Facility ID:

SPA Water Type:

SPA Facility Type:

SPA HUC12:

Within WHPA:

Not reported

Not reported

Not reported

No

WHPA PWS Facility ID:
WHPA Water Type:
WHPA Facility Type:
WHPA HUC12:
Facility Status:
Date of Last Inspection:
Not reported

EPA Region: 4

Tribe: Not reported Coordinate Source: State

X Coord: -87.5093639999999

Y Coord: 37.334259 Latitude: 37.334259 Longitude: -87.509364

UST FINDER:

 Object ID:
 584075

 Facility ID:
 KY9999950

 Tank ID:
 KY9999950_1_1

 Tank Status:
 Closed

Installation Date: 1973/07/01 16:00:00+00 Removal Date: 1999/05/04 15:59:59+00

Tank Capacity: 1100
Substances: Gasoline
Tank Wall Type: Single

 Object ID:
 584076

 Facility ID:
 KY9999950

 Tank ID:
 KY9999950_2_1

Tank Status: Closed

Installation Date: 1973/07/01 16:00:00+00 Removal Date: 1999/05/04 15:59:59+00

Tank Capacity: 1100
Substances: Gasoline
Tank Wall Type: Single

Direction Distance Elevation

Site Database(s) **EPA ID Number**

RENTAL PROPERTY (Continued)

1028374186

EDR ID Number

Object ID: 584077 Facility ID: KY9999950 Tank ID: KY9999950_3_1 Tank Status: Closed

Installation Date: 1973/07/01 16:00:00+00 1999/05/04 15:59:59+00 Removal Date:

1000 Tank Capacity: Substances: Gasoline Tank Wall Type: Single

UST FINDER RELEASE:

Object ID: 170973 Facility ID: KY61038 Lust ID: KY7925

RENTAL PROPERTY Name: 626 W NOEL AVE Address: City,State,Zip: MADISONVILLE, KY 0

Address Match Type: Not reported Reported Date: Not reported Status: Unkown Substance: Not reported

Population within 1500ft: 753 Domestic Wells within 1500ft:

Land Use: Developed, Medium Intensity

Within SPA:

Not reported SPA PWS Facility ID: SPA Water Type: Not reported SPA Facility Type: Not reported SPA HUC12: Not reported

Within WHPA: No

WHPA PWS Facility ID: Not reported WHPA Water Type: Not reported WHPA Facility Type: Not reported WHPA HUC12: Not reported

Within 100yr Floodplain: No

Tribe: Not reported

EPA Region:

NFA Letter 1: Not reported Not reported NFA Letter 2: Not reported NFA Letter 3: NFA Letter 4: Not reported Closed With Residual Contaminate: Not reported Coordinate Source: State X Coord: -87.50936 Y Coord: 37.33426

Latitude: 37.33426 -87.50936 Longitude:

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

DOLLAR GENERAL STORE #12086 RCRA NonGen / NLR 1016956970 925 WEST NOEL AVE E MANIFEST KYR000062612

WSW MADISONVILLE, KY 42431 1/8-1/4

0.178 mi. 942 ft.

Relative: RCRA Listings:

Lower Date Form Received by Agency: 20181001

Dollar General Store #12086 Handler Name: Actual: Handler Address: West Noel Ave 412 ft.

MADISONVILLE, KY 42431 Handler City, State, Zip:

EPA ID: KYR000062612 Not reported Contact Name: Contact Address: Not reported Contact City, State, Zip: Not reported Contact Telephone: Not reported Contact Fax: Not reported Contact Email: Not reported Contact Title: Not reported EPA Region: 04 Land Type: Private

Federal Waste Generator Description: Not a generator, verified

Non-Notifier: Not reported Biennial Report Cycle: Not reported Accessibility: Not reported Active Site Indicator: Not reported

State District Owner: Ky State District: 01

Mailing Address: Not reported Mailing City, State, Zip: Not reported Owner Name: Not reported Owner Type: Not reported Operator Name: Not reported Operator Type: Not reported

Short-Term Generator Activity: No Importer Activity: No Mixed Waste Generator: No Transporter Activity: No Transfer Facility Activity: No Recycler Activity with Storage: No Small Quantity On-Site Burner Exemption: No Smelting Melting and Refining Furnace Exemption: No **Underground Injection Control:** No Off-Site Waste Receipt: No Universal Waste Indicator: No Universal Waste Destination Facility: No Federal Universal Waste: No Active Site State-Reg Handler:

Federal Facility Indicator: Not reported Hazardous Secondary Material Indicator: NN Sub-Part K Indicator: Not reported 2018 GPRA Permit Baseline: Not on the Baseline 2018 GPRA Renewals Baseline: Not on the Baseline

202 GPRA Corrective Action Baseline: No Subject to Corrective Action Universe: No Non-TSDFs Where RCRA CA has Been Imposed Universe: No

Corrective Action Priority Ranking: No NCAPS ranking

Environmental Control Indicator: No Institutional Control Indicator: No Map ID MAP FINDINGS
Direction

Distance Elevation

ion Site Database(s) EPA ID Number

Not reported

DOLLAR GENERAL STORE #12086 (Continued)

Financial Assurance Required:

1016956970

EDR ID Number

Human Exposure Controls Indicator:

Groundwater Controls Indicator:

N/A
Significant Non-Complier Universe:

No
Unaddressed Significant Non-Complier Universe:

No
Addressed Significant Non-Complier Universe:

No
Significant Non-Complier With a Compliance Schedule Universe:

No

20181001 Handler Date of Last Change: Recognized Trader-Importer: No Recognized Trader-Exporter: No Importer of Spent Lead Acid Batteries: No Exporter of Spent Lead Acid Batteries: No Recycler Activity Without Storage: No Manifest Broker: No Sub-Part P Indicator: No

Hazardous Waste Summary:

Waste Code: D001

Waste Description: Ignitable Waste

Waste Code: D002

Waste Description: Corrosive Waste

Waste Code: D005
Waste Description: Barium

Waste Code: D006
Waste Description: Cadmium

Waste Code: D007 Waste Description: Chromium

Waste Code: D008
Waste Description: Lead

Waste Code: D016

Waste Description: 2,4-D (2,4-Dichlorophenoxyacetic Acid)

Waste Code: D035

Waste Description: Methyl Ethyl Ketone

Handler - Owner Operator:

Owner/Operator Indicator: Operator

Owner/Operator Name: DG RETAIL LLC

Legal Status: Private Date Became Current: Not reported Date Ended Current: Not reported Owner/Operator Address: Not reported Owner/Operator City, State, Zip: Not reported Owner/Operator Telephone: Not reported Not reported Owner/Operator Telephone Ext: Owner/Operator Fax: Not reported Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner

Map ID MAP FINDINGS
Direction

Distance

Elevation Site Database(s) EPA ID Number

DOLLAR GENERAL STORE #12086 (Continued)

1016956970

EDR ID Number

Owner/Operator Name: DG RETAIL LLC

Legal Status: Private Date Became Current: Not reported Date Ended Current: Not reported Owner/Operator Address: Not reported Owner/Operator City, State, Zip: Not reported Owner/Operator Telephone: Not reported Owner/Operator Telephone Ext: Not reported Owner/Operator Fax: Not reported Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 20181001 Handler Name: DOLLAR GENERAL STORE #12086

Federal Waste Generator Description: Not a generator, verified

State District Owner: Ky Large Quantity Handler of Universal Waste: No Recognized Trader Importer: No Recognized Trader Exporter: No Spent Lead Acid Battery Importer: No Spent Lead Acid Battery Exporter: Nο Current Record: Yes Non Storage Recycler Activity: No Electronic Manifest Broker: No

Receive Date: 20140516 Handler Name: DOLLAR GENERAL STORE #12086

Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator

State District Owner:

Large Quantity Handler of Universal Waste:

No
Recognized Trader Importer:

No
Recognized Trader Exporter:

No
Spent Lead Acid Battery Importer:

No
Spent Lead Acid Battery Exporter:

No
Current Record:

No

Non Storage Recycler Activity: Not reported Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 45299

NAICS Description: ALL OTHER GENERAL MERCHANDISE STORES

Has the Facility Received Notices of Violations:

Found Violation: No

Agency Which Determined Violation: Not reported Violation Short Description: Not reported Date Violation was Determined: Not reported Actual Return to Compliance Date: Not reported Return to Compliance Qualifier: Not reported Violation Responsible Agency: Not reported Scheduled Compliance Date: Not reported Enforcement Identifier: Not reported Date of Enforcement Action: Not reported Enforcement Responsible Agency: Not reported **Enforcement Docket Number:** Not reported Enforcement Attorney: Not reported

Direction Distance Elevation

Site EDR ID Number

EDR ID Number

EPA ID Number

Not reported

Not reported

Not reported

Not reported Not reported

Not reported

Not reported

Not reported

Not reported

Not reported

Not reported

DOLLAR GENERAL STORE #12086 (Continued)

Consent/Final Order Lead Agency:

Enforcement Responsible Person:

SEP Scheduled Completion Date:

Enforcement Responsible Sub-Organization:

Enforcement Type:

SEP Actual Date:

SEP Type:

SEP Defaulted Date:

SEP Type Description:

SEP Sequence Number:

SEP Expenditure Amount:

1016956970

,	
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:Not reported	
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type: Not reported	
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number: Not reported	
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
i ilai Amount.	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:Not reported	. Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Respondent Name.	i voi reported

TC7679837.2s Page 27

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

DOLLAR GENERAL STORE #12086 (Continued)

1016956970

Proposed Amount: Not reported Final Monetary Amount: Not reported Paid Amount: Not reported Final Count: Not reported Final Amount: Not reported

Evaluation Action Summary:

20150106 **Evaluation Date:** Evaluation Responsible Agency: State Found Violation: No

COMPLIANCE EVALUATION INSPECTION **Evaluation Type Description:**

Evaluation Responsible Person Identifier: **KYCSC** Evaluation Responsible Sub-Organization: MA Actual Return to Compliance Date: Not reported Not reported Scheduled Compliance Date: Date of Request: Not reported Date Response Received: Not reported

Request Agency: Not reported Former Citation: Not reported

Evaluation Date: 20171121 Evaluation Responsible Agency: State Found Violation:

Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION

Evaluation Responsible Person Identifier: **KYJRU** Evaluation Responsible Sub-Organization: MA

Actual Return to Compliance Date: Not reported Scheduled Compliance Date: Not reported Date of Request: Not reported Date Response Received: Not reported Request Agency: Not reported Former Citation: Not reported

E MANIFEST:

Manifest Tracking Number: 021531654JJK Last Updated Date: 20200903 Shipped Date: 20200818 Received Date: 20200902 Manifest Status: Signed

Submission Type: DataImage5Copy Origin Type: Service

KYR000062612 Generator EPA ID:

Generator Name: **DOLLAR GENERAL STORE #12086**

Generator Mail Street Number: 925

Generator Mail Street 1: WEST NOEL AVE Generator Mail Street 2: Not reported Generator Mail City: **MADISONVILLE**

Generator Mail State: KY Generator Mail Zip: 42431 Generator Location Street Number: Not reported Not reported Generator Location Street 1: Generator Location Street 2: Not reported Generator Location City: Not reported Generator Location Zip: Not reported Generator Location State: Not reported

Map ID MAP FINDINGS
Direction

Elevation Site

Distance

on Site Database(s) EPA ID Number

DOLLAR GENERAL STORE #12086 (Continued)

1016956970

EDR ID Number

Generator Contact Company Name:

Designated Facility EPA ID:

Designated Facility Name:

Not reported
MID980991566

EQ DETROIT INC

Designated Facility Mail Street Number: 1923

Designated Facility Mail Street 1: Not reported

Designated Facility Mail Street 2: FREDERICK ST

Designated Facility Mail City: DETROIT

Designated Facility Mail Zip: 48211

Designated Facility Mail State: MI

Designated Facility Location Street Number: 1923

Designated Facility Location Street 1: FREDERICK ST
Designated Facility Location Street 2: Not reported
Designated Facility Location City: DETROIT
Designated Facility Location Zip: 48211
Designated Facility Location State: MI

Designated Facility Contact Company Name: Not reported

Manifest Residue Indicator: N Rejection Indicator: N

Manifest Tracking Number: 018877438JJK
Last Updated Date: 20190919
Shipped Date: 20190821
Received Date: 20190906
Manifest Status: Signed

Submission Type: DataImage5Copy
Origin Type: Service
Generator EPA ID: Not reported

Generator Name: DOLLAR GENERAL 12086

Generator Mail Street Number: Not reported

Generator Mail Street 1: 925 WEST NOEL AVE Generator Mail Street 2: Not reported

Generator Mail Street 2: Not reported
Generator Mail City: MADISONVILLE

Generator Mail State: KY

Generator Mail Zip: 42431-1145
Generator Location Street Number: Not reported

Generator Location Street 1: ATTN: STORE MANAGER
Generator Location Street 2: 925 WEST NOEL AVE
Generator Location City: MADISONVILLE
Generator Location Zip: 42431-1145

Generator Location State: KY

Generator Contact Company Name: Not reported
Designated Facility EPA ID: MID980991566
Designated Facility Name: EQ DETROIT INC
Designated Facility Mail Street Number: Not reported
Designated Facility Mail Street 1: Not reported

Designated Facility Mail Street 2: 1923 FREDERICK ST

Designated Facility Mail City:
Designated Facility Mail Zip:
Designated Facility Mail State:

MI

Designated Facility Mail State:

Designated Facility Location Street Number: Not reported

Designated Facility Location Street 1: 1923 FREDERICK ST

Designated Facility Location Street 2: Not reported Designated Facility Location City: DETROIT Designated Facility Location Zip: 48211 Designated Facility Location State: MI

Designated Facility Contact Company Name: Not reported

Manifest Residue Indicator: N

Direction Distance Elevation

vation Site Database(s) EPA ID Number

Ν

DOLLAR GENERAL STORE #12086 (Continued)

1016956970

EDR ID Number

Rejection Indicator:

Federal Waste:

Manifest Tracking Number: 018877438JJK

Waste Line Number: 1
Federal Waste Code: D001

Federal Waste: IGNITABLE WASTE

Manifest Tracking Number: 018877438JJK

Waste Line Number: 1
Federal Waste Code: D018
Federal Waste: BENZENE

Manifest Tracking Number: 018877438JJK

Waste Line Number: 1
Federal Waste Code: D035

Federal Waste: METHYL ETHYL KETONE

Manifest Tracking Number: 018877438JJK

Waste Line Number: 1
Federal Waste Code: U002

Federal Waste: 2-PROPANONE (I) (OR) ACETONE (I)

Manifest Tracking Number: 018877438JJK

Waste Line Number: 1 Federal Waste Code: U154

Federal Waste: METHANOL (I) (OR) METHYL ALCOHOL (I)

Manifest Tracking Number: 018877438JJK

Waste Line Number: 2
Federal Waste Code: D002

Federal Waste: CORROSIVE WASTE

Transporter:

Manifest Tracking Number: 018877438JJK

Transporter Line Number:

Transporter EPA ID: MIK435642742

Transporter Name: EQ INDUSTRIAL SERVICES INC

Manifest Tracking Number: 018877438JJK

Transporter Line Number: 2

Transporter EPA ID: MOD095038998

Transporter Name: BED ROCK INC DBA TRI STATE MOTOR TRANSIT CO

Waste Line:

Manifest Tracking Number: 018877438JJK

Waste Line Number: 1
U.S. DOT Hazardous Indicator: Y
U.S. DOT ID Number: UN1993

U.S. DOT Description: RQ, UN1993, Waste Flammable liquids, n.o.s. (Alcohols, Acetone), 3,

PGII, (RQ D018), ERG#128

Non-Hazardous Waste Description: Not reported

Number of Containers: 1
Container Type Code: DF

Container Type Description: Fiberboard or plastic drums, barrels, kegs

Waste Quantity: 4

Direction Distance Elevation

ation Site Database(s) EPA ID Number

DOLLAR GENERAL STORE #12086 (Continued)

1016956970

EDR ID Number

Quantity Unit of Measure Code:PQuantity Unit of Measure Description:PoundsWaste Quantity, in Tons:0.002Acute Waste Quantity, in Tons:0Non-Acute Waste Quantity, in Tons:0.002Waste Quantity, in Kilograms:1.8140601Acute Waste Quantity, in Kilograms:0

Non-Acute Waste Quantity, in Kilorgrams: 1.8140601 Management Method Code: H141

Management Method Description: STORAGE, BULKING AND/OR TRANSFER OFF SITE

Waste Residue Indicator: N
Quantity Discrepancy Indicator: N
Waste Type Discrepancy Indicator: N

Waste Density: Not reported Waste Density Unit of Measure Code: Not reported Not reported Waste Density Unit of Measure Description: Not reported Form Code: Form Code Description: Not reported Source Code: Not reported Source Code Description: Not reported Waste Minimization Code: Not reported Waste Minimization Code Description: Not reported Consent Number: Not reported

EPA Waste Indicator:

Manifest Tracking Number: 018877438JJK

Waste Line Number: 2
U.S. DOT Hazardous Indicator: Y
U.S. DOT ID Number: UN1791

U.S. DOT Description: RQ, UN1791, Waste Hypochlorite solutions, 8, PGII, (RQ D002), ERG#154

Non-Hazardous Waste Description: Not reported

Number of Containers: 1
Container Type Code: DF

Container Type Description: Fiberboard or plastic drums, barrels, kegs

Waste Quantity:

Quantity Unit of Measure Code:

Quantity Unit of Measure Description:

Pounds
Waste Quantity, in Tons:

Acute Waste Quantity, in Tons:

Non-Acute Waste Quantity, in Tons:

Waste Quantity, in Kilograms:

0.90703005

Acute Waste Quantity, in Kilograms: 0

Non-Acute Waste Quantity, in Kilorgrams: 0.90703005 Management Method Code: H110

Management Method Description: STABILIZATION

Waste Residue Indicator:

Quantity Discrepancy Indicator:

Waste Type Discrepancy Indicator:

N

Waste Density:
Waste Density Unit of Measure Code:
Waste Density Unit of Measure Description:
Not reported
Not reported
Not reported
Not reported

Form Code:

Form Code Description:

Source Code:

Source Code Description:

Waste Minimization Code:

Waste Minimization Code Description:

Not reported

Not reported

Not reported

Not reported

Not reported

Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

DOLLAR GENERAL STORE #12086 (Continued)

1016956970

Consent Number: Not reported

B10 LARRY J MORRISON PROPERTY UST U003728870 N/A

603 W NOEL ESE

1/8-1/4 MADISONVILLE, KY 42431

0.184 mi.

972 ft. Site 3 of 6 in cluster B

UST: Relative: Higher

LARRY J MORRISON PROPERTY Name:

Address: 603 W NOEL Actual:

EPA Waste Indicator:

MADISONVILLE, KY 42431 449 ft. City, State, Zip: Sequence Id: 20002400

Facility ID: 70029 Owner Name: Larry Morrison Owner Address: 608 Pride Ave Owner Address2: Not reported Owner Address3: Not reported

Owner City, St, Zip: Madisonville, KY 42431

Internal Document ID:

Latitude: -87.508406 Longitude: 37.334201

Inert Material: Not reported 09/05/2000 Removed Date: Change in Service Date: Not reported Tank Pit Num: Not reported Tank Mfg: Not reported Tank EXT Corr Protect: Unknown Tank Overfill Protection: Unknown Last Tank Test Date: Not reported Not reported Relined Date: Not reported Lining Insp Date: Pipe Release Detection: Unknown Pipe Rel Detect Suc: Unknown Pipe Leak Detect: Not reported 03/01/1991 Last Contained Date: Pipe Mfg: Not reported Not reported Last Pipe Test Date: Last CP Test Date: Not reported Added To Flex Date: Not reported Added To Piping Date: Not reported Tank Material: Unknown Tank Release Detect: None Tank Int Protect: Unknown Pipe Material: Unknown

Subject Item ID:

Pipe Ext Corr Protect:

Tank Substance:

Pipe Type:

Tank Status: Removed Tank Verified

Unknown

Unknown

Gasoline

Installation Date: 01/01/1901 Closed In Place Date: 03/01/1991 Capacity in Gallons: 1,000 Compartment Number:

Piping Installation Date: Not reported Added To Tank Date: Not reported

Direction Distance

Elevation Site Database(s) **EPA ID Number**

LARRY J MORRISON PROPERTY (Continued)

U003728870

EDR ID Number

Inert Material: Not reported 09/05/2000 Removed Date: Change in Service Date: Not reported Tank Pit Num: Not reported Tank Mfg: Not reported Tank EXT Corr Protect: Unknown Tank Overfill Protection: Unknown Last Tank Test Date: Not reported Relined Date: Not reported Lining Insp Date: Not reported Unknown Pipe Release Detection: Pipe Rel Detect Suc: Unknown Pipe Leak Detect: Not reported Last Contained Date: 03/01/1991 Pipe Mfg: Not reported Last Pipe Test Date: Not reported Last CP Test Date: Not reported Added To Flex Date: Not reported Added To Piping Date: Not reported Tank Material: Unknown Tank Release Detect: None Tank Int Protect: Unknown Pipe Material: Unknown Pipe Ext Corr Protect: Unknown Pipe Type: Unknown Tank Substance: Gasoline

Subject Item ID:

Tank Status: Removed Tank Verified

Installation Date: 01/01/1901 03/01/1991 Closed In Place Date: 1,000 Capacity in Gallons: Compartment Number:

Piping Installation Date: Not reported Added To Tank Date: Not reported

LARRY J MORRISON PROPERTY

603 W NOEL ESE 1/8-1/4 MADISONVILLE, KY 42431

0.184 mi.

B11

Site 4 of 6 in cluster B

972 ft.

Relative: UST FINDER: Higher Object ID:

Actual: 449 ft.

177341 Facility ID: KY20002400 LARRY J MORRISON PROPERTY Name:

Address: 603 W NOEL

MADISONVILLE, KY 42431 City,State,Zip:

Address Match Type: Not reported

Open USTs: 0 Closed USTs: 2 TOS USTs: 0 Population 1500ft: 795 Private Wells 1500ft: Λ Within 100yr Floodplain: No

Land Use: Developed, Low Intensity

Within SPA: No

SPA PWS Facility ID: Not reported SPA Water Type: Not reported 1028362685

N/A

UST FINDER

UST FINDER RELEASE

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

LARRY J MORRISON PROPERTY (Continued)

1028362685

SPA Facility Type: Not reported Not reported SPA HUC12:

Within WHPA: No

WHPA PWS Facility ID: Not reported WHPA Water Type: Not reported WHPA Facility Type: Not reported WHPA HUC12: Not reported Facility Status: Closed UST(s) Date of Last Inspection: Not reported

EPA Region:

Tribe: Not reported Coordinate Source: State X Coord: -87.508406 Y Coord: 37.3342010000001 Latitude: 37.334201 Longitude: -87.508406

UST FINDER:

Object ID: 582774 Facility ID: KY20002400 Tank ID: KY20002400_1_1

Closed Tank Status: Installation Date: Not reported

2000/09/05 15:59:59+00 Removal Date:

1000 Tank Capacity: Substances: Gasoline Tank Wall Type: Not reported

Object ID: 582775 KY20002400 Facility ID: KY20002400_2_1 Tank ID:

Tank Status: Closed Installation Date: Not reported

2000/09/05 15:59:59+00 Removal Date:

1000 Tank Capacity: Substances: Gasoline Tank Wall Type: Not reported

UST FINDER RELEASE:

170977 Object ID: Facility ID: KY70029 Lust ID: KY7679

LARRY J MORRISON PROPERTY Name:

603 W NOEL Address: MADISONVILLE, KY 0 City,State,Zip:

Address Match Type: Not reported Reported Date: Not reported Status: Unkown Substance: Not reported Population within 1500ft: 794

Domestic Wells within 1500ft:

Land Use: Developed, Low Intensity

Within SPA:

SPA PWS Facility ID: Not reported SPA Water Type: Not reported SPA Facility Type: Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

LARRY J MORRISON PROPERTY (Continued)

1028362685

SPA HUC12: Not reported

Within WHPA: No

WHPA PWS Facility ID: Not reported WHPA Water Type: Not reported WHPA Facility Type: Not reported WHPA HUC12: Not reported

Within 100yr Floodplain: No

Tribe: Not reported

EPA Region:

NFA Letter 1: Not reported NFA Letter 2: Not reported Not reported NFA Letter 3: NFA Letter 4: Not reported Closed With Residual Contaminate: Not reported Coordinate Source: State X Coord: -87.50841

Y Coord: 37.3342000000001

Latitude: 37.3342

Longitude: -87.5084099999999

B12 **AK PETROLEUM** UST FINDER 1028364121 SE **600 W NOEL AVE UST FINDER RELEASE** N/A

600 W NOEL AVE

1/8-1/4 MADISONVILLE, KY 42431

Address:

0.197 mi.

1041 ft. Site 5 of 6 in cluster B

Relative: UST FINDER: Higher Object ID: 177335 Facility ID: KY227054 Actual: Name: **AK PETROLEUM** 448 ft.

> City, State, Zip: MADISONVILLE, KY 42431

Address Match Type: Not reported

Open USTs: 3 Closed USTs: 3 TOS USTs: 0 Population 1500ft: 782 Private Wells 1500ft: 0 Within 100yr Floodplain: No

Land Use: Developed, Low Intensity

Within SPA: No

SPA PWS Facility ID: Not reported SPA Water Type: Not reported SPA Facility Type: Not reported SPA HUC12: Not reported

Within WHPA: No

WHPA PWS Facility ID: Not reported Not reported WHPA Water Type: WHPA Facility Type: Not reported WHPA HUC12: Not reported Facility Status: Open UST(s) Not reported Date of Last Inspection:

EPA Region:

Tribe: Not reported Coordinate Source: State -87.508611 X Coord:

37.3338890000001 Y Coord:

Latitude: 37.333889

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

AK PETROLEUM (Continued)

1028364121

Longitude: -87.508611

UST FINDER:

608270 Object ID: Facility ID: KY227054 Tank ID: KY227054_5_1

Tank Status: Closed

1969/01/01 16:00:01+00 Installation Date: Removal Date: 1989/03/02 16:00:00+00

Tank Capacity: 1000 Substances: Gasoline Tank Wall Type: Single

Object ID: 608271 Facility ID: KY227054 Tank ID: KY227054_4_1 Tank Status: Closed

Installation Date: 1968/01/01 16:00:01+00 Removal Date: 1989/03/02 16:00:00+00

Tank Capacity: 3000 Substances: Gasoline Tank Wall Type: Single

Object ID: 608272 Facility ID: KY227054 Tank ID: KY227054_6_1 Tank Status: Closed

Installation Date: 1966/01/01 16:00:01+00 Removal Date: 1989/03/02 16:00:00+00

Tank Capacity: 1000 Gasoline Substances: Tank Wall Type: Single

Object ID: 620068 Facility ID: KY227054 Tank ID: KY227054_1_1

Tank Status: Open

Installation Date: 1989/02/01 16:00:00+00

Removal Date: Not reported 4000 Tank Capacity: Substances: REG Tank Wall Type: Single

Object ID: 620069 KY227054 Facility ID: Tank ID: KY227054_2_1

Tank Status: Open

1989/02/01 16:00:00+00 Installation Date:

Not reported Removal Date: 4000 Tank Capacity: PRM Substances: Tank Wall Type: Single

Object ID: 620070 Facility ID: KY227054 Tank ID: KY227054_3_1

Tank Status: Open

1989/02/01 16:00:00+00 Installation Date:

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

AK PETROLEUM (Continued)

1028364121

Removal Date: Not reported 4000 Tank Capacity: Substances: Gasoline Tank Wall Type: Single

UST FINDER RELEASE:

170976 Object ID: Facility ID: KY61058 Lust ID: KY7624

AK PETROLEUM Name: Address: 600 W NOEL AVE City,State,Zip: MADISONVILLE, KY 0

Address Match Type: Not reported Reported Date: Not reported Status: Unkown Substance: Not reported Population within 1500ft: 782

Domestic Wells within 1500ft:

Land Use: Developed, Low Intensity

Within SPA: No

SPA PWS Facility ID: Not reported SPA Water Type: Not reported Not reported SPA Facility Type: SPA HUC12: Not reported

Within WHPA: No

WHPA PWS Facility ID: Not reported WHPA Water Type: Not reported WHPA Facility Type: Not reported WHPA HUC12: Not reported

Within 100yr Floodplain: No

Tribe: Not reported

EPA Region:

NFA Letter 1: Not reported NFA Letter 2: Not reported Not reported NFA Letter 3: NFA Letter 4: Not reported Closed With Residual Contaminate: Not reported Coordinate Source: State X Coord: -87.50861

Y Coord: 37.3338900000001 Latitude: 37.3338899999999

Longitude: -87.50861

UST U003201160 B13 **AK PETROLEUM** SE **600 W NOEL AVE** N/A

1/8-1/4 MADISONVILLE, KY 42431

0.197 mi.

448 ft.

1041 ft. Site 6 of 6 in cluster B

UST: Relative: Higher Name: AK PETROLEUM Address: 600 W NOEL AVE Actual:

City, State, Zip: MADISONVILLE, KY 42431 Sequence Id: 227054 Facility ID: 61058 Owner Name: Salim Gowani

Direction Distance Elevation

Site Database(s) EPA ID Number

AK PETROLEUM (Continued)

U003201160

EDR ID Number

Owner Address: 1020 S Main
Owner Address2: Not reported
Owner Address3: Not reported

Owner City, St, Zip: Madisonville, KY 42431

Internal Document ID: (

Latitude: -87.508611 Longitude: 37.333889

Inert Material: Not reported Removed Date: Not reported Change in Service Date: Not reported Tank Pit Num: Not reported

Tank Mfg: Steel Manufacturer Unknown
Tank EXT Corr Protect: Coating & Cathodic Protection
Tank Overfill Protection: Automatic Shutoff Device

Last Tank Test Date: 05/02/2017
Relined Date: Not reported
Lining Insp Date: Not reported
Pipe Release Detection: Line Tightness Test

Pipe Rel Detect Suc: None

Pipe Leak Detect: Not reported Last Contained Date: Not reported Pipe Mfg: PolyTech Last Pipe Test Date: 07/26/2022 Last CP Test Date: 07/24/2020 Added To Flex Date: Not reported Added To Piping Date: Not reported Tank Material: Single Wall Steel Tank Release Detect: Automatic Tank Gauging

Tank Int Protect: Not Applicable
Pipe Material: Flexible Wall
Pipe Ext Corr Protect: Not Applicable
Pipe Type: Pressurized

Tank Substance: GAS-UNL-Reg Unl Gas

Subject Item ID: 1
Tank Status: Active
Installation Date: 02/01/1989
Closed In Place Date: Not reported
Capacity in Gallons: 4,000
Compartment Number: 1

Piping Installation Date: Not reported Added To Tank Date: 07/22/2006

Inert Material: Not reported Removed Date: Not reported Change in Service Date: Not reported Tank Pit Num: Not reported

Tank Mfg: Steel Manufacturer Unknown Tank EXT Corr Protect: Coating & Cathodic Protection

Tank Overfill Protection: Automatic Shutoff Device

Last Tank Test Date: 06/01/2017
Relined Date: Not reported
Lining Insp Date: Not reported
Pipe Release Detection: Line Tightness Test

Pipe Rel Detect Suc: None
Pipe Leak Detect: Not reported
Last Contained Date: Not reported

Direction Distance Elevation

tance EDR ID Number vation Site Database(s) EPA ID Number

AK PETROLEUM (Continued)

U003201160

Pipe Mfg: PolyTech
Last Pipe Test Date: 07/26/2022
Last CP Test Date: 07/24/2020
Added To Flex Date: Not reported
Added To Piping Date: Not reported
Tank Material: Single Wall Steel
Tank Release Detect: Automatic Tank Gauging

Tank Int Protect: Not Applicable
Pipe Material: Flexible Wall
Pipe Ext Corr Protect: Not Applicable
Pipe Type: Pressurized

Tank Substance: GAS-PRM-Prem Unl Gas

Subject Item ID: 2
Tank Status: Active
Installation Date: 02/01/1989
Closed In Place Date: Not reported
Capacity in Gallons: 4,000
Compartment Number: 1

Piping Installation Date: Not reported Added To Tank Date: 07/22/2006

Inert Material: Not reported Removed Date: Not reported Change in Service Date: Not reported Tank Pit Num: Not reported

Tank Mfg: Steel Manufacturer Unknown
Tank EXT Corr Protect: Coating & Cathodic Protection
Tank Overfill Protection: Automatic Shutoff Device

Last Tank Test Date: 06/07/2019
Relined Date: Not reported
Lining Insp Date: Not reported
Pipe Release Detection: Line Tightness Test

Pipe Rel Detect Suc: None Pipe Leak Detect: Not reported Last Contained Date: Not reported PolyTech Pipe Mfg: Last Pipe Test Date: 07/26/2022 Last CP Test Date: 07/24/2020 Added To Flex Date: Not reported Added To Piping Date: Not reported Tank Material: Single Wall Steel Tank Release Detect: Automatic Tank Gauging

Tank Int Protect: Not Applicable Pipe Material: Flexible Wall Pipe Ext Corr Protect: Not Applicable Pipe Type: Pressurized Tank Substance: Gasoline Subject Item ID: 3 Tank Status: Active Installation Date: 02/01/1989

Closed In Place Date: Not reported Capacity in Gallons: 4,000 Compartment Number: 1

Piping Installation Date: Not reported Added To Tank Date: 07/22/2006

Inert Material: Not reported

Direction Distance Elevation

tion Site Database(s) EPA ID Number

AK PETROLEUM (Continued)

U003201160

EDR ID Number

Removed Date: 03/02/1989 Change in Service Date: Not reported Tank Pit Num: Not reported Tank Mfg: Not reported Tank EXT Corr Protect: Unknown Tank Overfill Protection: Unknown Last Tank Test Date: Not reported Relined Date: Not reported Not reported Lining Insp Date: Pipe Release Detection: Unknown Pipe Rel Detect Suc: Unknown Pipe Leak Detect: Not reported Last Contained Date: Not reported Pipe Mfg: Not reported Last Pipe Test Date: Not reported Last CP Test Date: Not reported Not reported Added To Flex Date: Added To Piping Date: Not reported Tank Material: Single Wall Steel

Tank Release Detect: None
Tank Int Protect: Unknown

Pipe Material: Single Wall Steel

Pipe Ext Corr Protect: Unknown
Pipe Type: Unknown
Tank Substance: Gasoline
Subject Item ID: 4

Tank Status: Removed Tank Verified

Installation Date: 01/01/1968
Closed In Place Date: Not reported
Capacity in Gallons: 3,000
Compartment Number: 1

Piping Installation Date: Not reported Added To Tank Date: Not reported

Not reported Inert Material: 03/02/1989 Removed Date: Change in Service Date: Not reported Tank Pit Num: Not reported Tank Mfg: Not reported Tank EXT Corr Protect: Unknown Tank Overfill Protection: Unknown Not reported Last Tank Test Date: Relined Date: Not reported Lining Insp Date: Not reported Pipe Release Detection: Unknown Pipe Rel Detect Suc: Unknown Pipe Leak Detect: Not reported Last Contained Date: Not reported Pipe Mfg: Not reported Last Pipe Test Date: Not reported Last CP Test Date: Not reported Added To Flex Date: Not reported Added To Piping Date: Not reported Tank Material: Single Wall Steel

Tank Release Detect: None
Tank Int Protect: Unknown
Pipe Material: Single Wall Steel

Direction Distance

Elevation Site Database(s) **EPA ID Number**

AK PETROLEUM (Continued)

U003201160

EDR ID Number

Pipe Ext Corr Protect: Unknown Pipe Type: Unknown Tank Substance: Gasoline Subject Item ID: 5

Tank Status: Removed Tank Verified

01/01/1969 Installation Date: Not reported Closed In Place Date: Capacity in Gallons: 1,000 Compartment Number: 1

Piping Installation Date: Not reported Added To Tank Date: Not reported

Inert Material: Not reported Removed Date: 03/02/1989 Change in Service Date: Not reported Tank Pit Num: Not reported Tank Mfg: Not reported Tank EXT Corr Protect: Unknown Tank Overfill Protection: Unknown Last Tank Test Date: Not reported Relined Date: Not reported Lining Insp Date: Not reported Pipe Release Detection: Unknown Pipe Rel Detect Suc: Unknown Pipe Leak Detect: Not reported Last Contained Date: Not reported Pipe Mfg: Not reported Last Pipe Test Date: Not reported Last CP Test Date: Not reported Added To Flex Date: Not reported Not reported Added To Piping Date: Tank Material: Single Wall Steel

Tank Release Detect: None Tank Int Protect: Unknown Single Wall Steel Pipe Material: Unknown Pipe Ext Corr Protect: Unknown Pipe Type: Tank Substance: Gasoline Subject Item ID: 6

Removed Tank Verified Tank Status:

Installation Date: 01/01/1966 Closed In Place Date: Not reported Capacity in Gallons: 1,000 Compartment Number:

Piping Installation Date: Not reported Added To Tank Date: Not reported

JANICE BEARD PROPERTY RCRA NonGen / NLR 1007094750 KYR000035774

583 WEST NOEL STREET ESE 1/8-1/4 MADISONVILLE, KY 42431

0.202 mi.

C14

1064 ft. Site 1 of 3 in cluster C

Relative: RCRA Listings:

Higher Date Form Received by Agency: 20030926 Handler Name: Janice Beard Property Actual: Handler Address: West Noel Street 455 ft.

Handler City, State, Zip: MADISONVILLE, KY 42431 Map ID MAP FINDINGS
Direction

Distance Elevation Sit

Site Database(s) EPA ID Number

JANICE BEARD PROPERTY (Continued)

1007094750

EDR ID Number

 EPA ID:
 KYR000035774

 Contact Name:
 JOHN CASE

 Contact Address:
 BLUESKY PKWY

 Contact City, State, Zip:
 LEXINGTON, KY 40509

Contact Telephone: 859-263-7558
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 04

Land Type: 04
Private

Federal Waste Generator Description: Not a generator, verified

Non-Notifier:

Biennial Report Cycle:

Accessibility:

Active Site Indicator:

State District Owner:

State District:

Not reported

Ky

State District:

0199

Mailing Address: BLUESKY PKWY
Mailing City,State,Zip: LEXINGTON, KY 40509

Owner Name: Janice Beard
Owner Type: Private

Operator Name: Janice Beard Property

Operator Type: Private Short-Term Generator Activity: No Importer Activity: No Mixed Waste Generator: No Transporter Activity: Nο Transfer Facility Activity: No Recycler Activity with Storage: No Small Quantity On-Site Burner Exemption: No Smelting Melting and Refining Furnace Exemption: Nο **Underground Injection Control:** No Off-Site Waste Receipt: No Universal Waste Indicator: No Universal Waste Destination Facility: No Federal Universal Waste: No Active Site State-Reg Handler:

Federal Facility Indicator: Not reported

Hazardous Secondary Material Indicator: NN

Sub-Part K Indicator:

2018 GPRA Permit Baseline:

Not on the Baseline

2018 GPRA Renewals Baseline:

Not on the Baseline

202 GPRA Corrective Action Baseline:

Subject to Corrective Action Universe:

No
Non-TSDFs Where RCRA CA has Been Imposed Universe:

No

Corrective Action Priority Ranking: No NCAPS ranking

Environmental Control Indicator: No Institutional Control Indicator: No Human Exposure Controls Indicator: N/A Groundwater Controls Indicator: N/A Significant Non-Complier Universe: No Unaddressed Significant Non-Complier Universe: No Addressed Significant Non-Complier Universe: No Significant Non-Complier With a Compliance Schedule Universe: No

Financial Assurance Required:
Handler Date of Last Change:
Recognized Trader-Importer:
No
No
No

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

JANICE BEARD PROPERTY (Continued)

1007094750

Recognized Trader-Exporter: No Importer of Spent Lead Acid Batteries: No Exporter of Spent Lead Acid Batteries: No

Recycler Activity Without Storage: Not reported Manifest Broker: Not reported

Sub-Part P Indicator: No

Hazardous Waste Summary:

Waste Code: D001

Waste Description: Ignitable Waste

D008 Waste Code: Waste Description: Lead Waste Code: D018

Handler - Owner Operator:

Waste Description:

Owner/Operator Indicator: Owner

Owner/Operator Name: JANICE BEARD

Legal Status: Private Date Became Current: 20030926 Date Ended Current: Not reported

Owner/Operator Address: **581 WEST NOEL STREET** Owner/Operator City,State,Zip: MADISONVILLE, KY 42431

Benzene

Owner/Operator Telephone: 270-821-0805 Owner/Operator Telephone Ext: Not reported Owner/Operator Fax: Not reported Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator

Owner/Operator Name: JANICE BEARD PROPERTY

Legal Status: Private Date Became Current: 20030926 Date Ended Current: Not reported

Owner/Operator Address: **583 WEST NOEL STREET** Owner/Operator City, State, Zip: MADISONVILLE, KY 42431

Owner/Operator Telephone: 270-821-0805 Owner/Operator Telephone Ext: Not reported Owner/Operator Fax: Not reported Owner/Operator Email: Not reported

Historic Generators:

20030926 Receive Date:

JANICE BEARD PROPERTY Handler Name:

Federal Waste Generator Description: Not a generator, verified

State District Owner: Ky Large Quantity Handler of Universal Waste: No Recognized Trader Importer: No Recognized Trader Exporter: No Spent Lead Acid Battery Importer: No Spent Lead Acid Battery Exporter: Nο Current Record: Yes

Non Storage Recycler Activity: Not reported Electronic Manifest Broker: Not reported Map ID MAP FINDINGS
Direction

Distance Elevation

Site Database(s) EPA ID Number

JANICE BEARD PROPERTY (Continued)

1007094750

EDR ID Number

List of NAICS Codes and Descriptions:

NAICS Code: 44719

NAICS Description: OTHER GASOLINE STATIONS

Has the Facility Received Notices of Violations:

Found Violation: No Agency Which Determined Violation: Not reported Violation Short Description: Not reported Date Violation was Determined: Not reported Actual Return to Compliance Date: Not reported Return to Compliance Qualifier: Not reported Violation Responsible Agency: Not reported Scheduled Compliance Date: Not reported Enforcement Identifier: Not reported Date of Enforcement Action: Not reported Enforcement Responsible Agency: Not reported **Enforcement Docket Number:** Not reported **Enforcement Attorney:** Not reported Corrective Action Component: Not reported Appeal Initiated Date: Not reported Appeal Resolution Date: Not reported Disposition Status Date: Not reported **Disposition Status:** Not reported Disposition Status Description: Not reported

Consent/Final Order Sequence Number:Not reported

Consent/Final Order Respondent Name: Not reported Consent/Final Order Lead Agency: Not reported

Enforcement Type: Not reported

Enforcement Responsible Person: Not reported Enforcement Responsible Sub-Organization: Not reported

SEP Sequence Number: Not reported

SEP Expenditure Amount: Not reported SEP Scheduled Completion Date: Not reported SEP Actual Date: Not reported SEP Defaulted Date: Not reported SEP Type: Not reported SEP Type Description: Not reported Proposed Amount: Not reported Final Monetary Amount: Not reported Paid Amount: Not reported Final Count: Not reported Final Amount: Not reported

Evaluation Action Summary:

Evaluation Date: 20040329
Evaluation Responsible Agency: State
Found Violation: No

Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION

Evaluation Responsible Person Identifier: KYDEI Evaluation Responsible Sub-Organization: MA

Actual Return to Compliance Date:

Scheduled Compliance Date:

Not reported
Date of Request:

Not reported
Not reported
Not reported
Request Agency:

Former Citation:

Not reported
Not reported
Not reported
Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

D15 ASHMORE DIST UST 1000765879
SE 640 LINCOLN AVE N/A

1/8-1/4 MADISONVILLE, KY 42431

0.214 mi.

1128 ft. Site 1 of 2 in cluster D

 Relative:
 UST:

 Higher
 Name:
 ASHMORE DIST

 Actual:
 Address:
 640 LINCOLN AVE

 441 ft.
 City,State,Zip:
 MADISONVILLE, KY 42431

Sequence Id: 214054 Facility ID: 61070

Owner Name: Ashmore Distributors Inc
Owner Address: 1850 Lakeshore Dr
Owner Address2: Not reported
Owner Address3: Not reported

Owner City, St, Zip: Madisonville, KY 42431

Internal Document ID: 0

Latitude: -87.509167 Longitude: 37.333333

Not reported Inert Material: Removed Date: 06/30/1998 Change in Service Date: Not reported Tank Pit Num: Not reported Tank Mfg: Not reported Tank EXT Corr Protect: Unknown Tank Overfill Protection: Unknown Last Tank Test Date: Not reported Relined Date: Not reported Lining Insp Date: Not reported Pipe Release Detection: Unknown Pipe Rel Detect Suc: Unknown Pipe Leak Detect: Not reported Last Contained Date: Not reported Pipe Mfg: Not reported Last Pipe Test Date: Not reported Last CP Test Date: Not reported

Last CP Test Date:
Added To Flex Date:
Added To Piping Date:
Tank Material:
Not reported
Not reported
Single Wall Steel
None

Tank Int Protect:

Pipe Material:

Pipe Ext Corr Protect:

Unknown

Subject Item ID: 1

Added To Tank Date:

Tank Status: Removed Tank Verified

Not reported

Installation Date: 01/01/1971
Closed In Place Date: Not reported
Capacity in Gallons: 2,000
Compartment Number: 1
Piping Installation Date: Not reported

Inert Material: Not reported Removed Date: 06/30/1998 Change in Service Date: Not reported

EDR ID Number

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

ASHMORE DIST (Continued)

1000765879

Tank Pit Num: Not reported Not reported Tank Mfg: Tank EXT Corr Protect: Unknown Tank Overfill Protection: Unknown Last Tank Test Date: Not reported Not reported Relined Date: Not reported Lining Insp Date: Unknown Pipe Release Detection: Pipe Rel Detect Suc: Unknown Pipe Leak Detect: Not reported Last Contained Date: Not reported Not reported Pipe Mfg: Not reported Last Pipe Test Date: Last CP Test Date: Not reported Not reported Added To Flex Date: Added To Piping Date: Not reported Tank Material: Single Wall Steel

Tank Release Detect: None Tank Int Protect: Unknown Pipe Material: Unknown Pipe Ext Corr Protect: Unknown Pipe Type: Unknown Tank Substance: Kerosene Subject Item ID:

Tank Status: Removed Tank Verified

Installation Date: 01/01/1980 Closed In Place Date: Not reported Capacity in Gallons: 3,000 Compartment Number:

Piping Installation Date: Not reported Added To Tank Date: Not reported

D16 **ASHMORE DIST** SE **640 LINCOLN AVE** 1/8-1/4 MADISONVILLE, KY 42431

UST FINDER:

0.214 mi.

Site 2 of 2 in cluster D 1128 ft.

Relative: Higher Actual: 441 ft.

Object ID: 177328 Facility ID: KY214054 Name: **ASHMORE DIST** 640 LINCOLN AVE Address: City, State, Zip: MADISONVILLE, KY 42431

Address Match Type: Not reported

Open USTs: Closed USTs: 2 TOS USTs: n Population 1500ft: 738 Private Wells 1500ft: 0 Within 100yr Floodplain:

Land Use: Developed, Low Intensity

Within SPA: Nο

SPA PWS Facility ID: Not reported SPA Water Type: Not reported SPA Facility Type: Not reported SPA HUC12: Not reported

Within WHPA: No 1028363887

N/A

UST FINDER

UST FINDER RELEASE

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

ASHMORE DIST (Continued)

1028363887

WHPA PWS Facility ID: Not reported WHPA Water Type: Not reported WHPA Facility Type: Not reported WHPA HUC12: Not reported Facility Status: Closed UST(s) Date of Last Inspection: Not reported

EPA Region:

Tribe: Not reported Coordinate Source: State X Coord: -87.509167 37.333333 Y Coord: 37.333333 Latitude: -87.509167 Longitude:

UST FINDER:

Object ID: 587103 Facility ID: KY214054 KY214054_2_1 Tank ID: Tank Status: Closed

Installation Date: 1980/01/01 16:00:00+00 1998/06/30 15:59:59+00 Removal Date:

Tank Capacity: 3000 Substances: Kerosene Tank Wall Type: Single

Object ID: 587111 Facility ID: KY214054 KY214054_1_1 Tank ID: Tank Status: Closed

Installation Date: 1971/01/01 16:00:00+00 Removal Date: 1998/06/30 15:59:59+00

Tank Capacity: 2000 Substances: Kerosene Tank Wall Type: Single

UST FINDER RELEASE:

Object ID: 170975 Facility ID: KY61070 Lust ID: KY8013

ASHMORE DIST Name: Address: 640 LINCOLN AVE City, State, Zip: MADISONVILLE, KY 0

Address Match Type: Not reported Reported Date: Not reported Status: Unkown Substance: Not reported

Population within 1500ft: 738 Domestic Wells within 1500ft:

Land Use: Developed, Low Intensity

Within SPA: No

SPA PWS Facility ID: Not reported SPA Water Type: Not reported SPA Facility Type: Not reported SPA HUC12: Not reported Within WHPA: No

WHPA PWS Facility ID: Not reported

Direction Distance

Elevation Site Database(s) **EPA ID Number**

ASHMORE DIST (Continued) 1028363887

WHPA Water Type: Not reported Not reported WHPA Facility Type: WHPA HUC12: Not reported

Within 100yr Floodplain: No

Tribe: Not reported

EPA Region:

NFA Letter 1: Not reported NFA Letter 2: Not reported NFA Letter 3: Not reported NFA Letter 4: Not reported Closed With Residual Contaminate: Not reported Coordinate Source: State X Coord: -87.50917 Y Coord: 37.33333

Latitude: 37.3333299999999 Longitude: -87.5091699999999

C17 JANICE BEARD PROPERTY **UST FINDER** 1028363331 **UST FINDER RELEASE ESE** 538 W NOEL ST N/A

1/8-1/4 0.247 mi.

1306 ft. Site 2 of 3 in cluster C

MADISONVILLE, KY 42431

UST FINDER: Relative: Higher Object ID: 177339 Facility ID: KY20142489 Actual:

Name: JANICE BEARD PROPERTY 457 ft.

> Address: 538 W NOEL ST

City,State,Zip: MADISONVILLE, KY 42431

Address Match Type: Not reported

Open USTs: 0 Closed USTs: 6 TOS USTs: 0 Population 1500ft: 828 Private Wells 1500ft: 0 Within 100yr Floodplain: No

Land Use: Developed, Low Intensity

Within SPA: No

SPA PWS Facility ID: Not reported Not reported SPA Water Type: SPA Facility Type: Not reported SPA HUC12: Not reported Within WHPA:

No

WHPA PWS Facility ID: Not reported WHPA Water Type: Not reported WHPA Facility Type: Not reported WHPA HUC12: Not reported Facility Status: Closed UST(s) Date of Last Inspection: Not reported

EPA Region:

Tribe: Not reported Coordinate Source: State X Coord: -87.507669 37.3340860000001 Y Coord: Latitude: 37.334086 Longitude: -87.507669

UST FINDER:

EDR ID Number

Map ID MAP FINDINGS
Direction

Distance Elevation

ation Site Database(s) EPA ID Number

JANICE BEARD PROPERTY (Continued)

1028363331

EDR ID Number

 Object ID:
 580410

 Facility ID:
 KY20142489

 Tank ID:
 KY20142489_3_1

 Tank Status:
 Closed

Installation Date: Not reported
Removal Date: 2003/09/10 15:59:59+00

Removal Date: 2003/09/1
Tank Capacity: 560
Substances: Gasoline
Tank Wall Type: Single

 Object ID:
 580411

 Facility ID:
 KY20142489

 Tank ID:
 KY20142489_4_1

 Tank Status:
 Closed

Installation Date: Not reported

Removal Date: 2003/09/10 15:59:59+00

Tank Capacity: 720
Substances: Gasoline
Tank Wall Type: Not reported

 Object ID:
 580412

 Facility ID:
 KY20142489

 Tank ID:
 KY20142489_5_1

 Tank Status:
 Closed

 Installation Date:
 Not reported

Removal Date: 2003/09/10 15:59:59+00

Tank Capacity: 300
Substances: Gasoline
Tank Wall Type: Not reported

 Object ID:
 580413

 Facility ID:
 KY20142489

 Tank ID:
 KY20142489_6_1

Tank Status: Closed Installation Date: Not reported

Removal Date: 2003/09/10 15:59:59+00

Tank Capacity:560Substances:GasolineTank Wall Type:Not reported

 Object ID:
 580414

 Facility ID:
 KY20142489

 Tank ID:
 KY20142489_1_1

Tank Status: Closed Installation Date: Not reported

Removal Date: 2003/09/10 15:59:59+00

Tank Capacity:720Substances:GasolineTank Wall Type:Single

 Object ID:
 580415

 Facility ID:
 KY20142489

 Tank ID:
 KY20142489_2_1

 Tank Status:
 Closed

Installation Date: Not reported Removal Date: 2003/09/10 15:59:59+00

Tank Capacity: 1000

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

JANICE BEARD PROPERTY (Continued)

1028363331

Substances: Gasoline Tank Wall Type: Single

UST FINDER RELEASE:

170979 Object ID: Facility ID: KY49971 Lust ID: KY7217

Name: JANICE BEARD PROPERTY

Address: 538 W NOEL ST City,State,Zip: MADISONVILLE, KY 0

Address Match Type: Not reported Reported Date: Not reported Status: Unkown Substance: Not reported Population within 1500ft: 827

Domestic Wells within 1500ft:

Land Use: Developed, Low Intensity

Within SPA:

SPA PWS Facility ID: Not reported SPA Water Type: Not reported Not reported SPA Facility Type: SPA HUC12: Not reported

Within WHPA: No

WHPA PWS Facility ID: Not reported WHPA Water Type: Not reported Not reported WHPA Facility Type: WHPA HUC12: Not reported

Within 100yr Floodplain: No

Not reported Tribe:

EPA Region:

NFA Letter 1: Not reported NFA Letter 2: Not reported NFA Letter 3: Not reported NFA Letter 4: Not reported Closed With Residual Contaminate: Not reported Coordinate Source: State -87.50767 X Coord:

Y Coord: 37.3340900000001

37.33409 Latitude: -87.50767 Longitude:

C18 JANICE BEARD PROPERTY **ESE** 538 W NOEL ST

1/8-1/4 MADISONVILLE, KY 42431

0.247 mi.

1306 ft. Site 3 of 3 in cluster C

UST: Relative:

Higher Name: JANICE BEARD PROPERTY

538 W NOEL ST Address: Actual:

MADISONVILLE, KY 42431 City,State,Zip: 457 ft.

Sequence Id: 20142489 Facility ID: 49971 Owner Name: Janice Beard Owner Address: 581 W Noel St Owner Address2: Not reported

UST

U003990483

N/A

Direction Distance Elevation

tion Site Database(s) EPA ID Number

JANICE BEARD PROPERTY (Continued)

U003990483

EDR ID Number

Owner Address3: Not reported

Owner City, St, Zip: Madisonville, KY 42431

Internal Document ID: 0

Latitude: -87.507669 Longitude: 37.334086

Inert Material: Not reported Removed Date: 09/10/2003 Not reported Change in Service Date: Tank Pit Num: Not reported Tank Mfg: Not reported Tank EXT Corr Protect: Unknown Tank Overfill Protection: Unknown Last Tank Test Date: Not reported Relined Date: Not reported Lining Insp Date: Not reported Unknown Pipe Release Detection: Pipe Rel Detect Suc: Unknown Pipe Leak Detect: Not reported Last Contained Date: Not reported Pipe Mfg: Not reported Last Pipe Test Date: Not reported Last CP Test Date: Not reported Added To Flex Date: Not reported Added To Piping Date: Not reported Single Wall Steel Tank Material:

Tank Release Detect:
Tank Int Protect:
Pipe Material:
Pipe Ext Corr Protect:
Unknown
Pipe Type:
Tank Substance:
Subject Item ID:

None
Unknown
Single Wall Steel
Unknown
Suction
Gasoline

Tank Status: Removed Tank Verified

Not reported

Installation Date: 01/01/1901
Closed In Place Date: 01/01/1978
Capacity in Gallons: 720
Compartment Number: 1

Piping Installation Date: Not reported Added To Tank Date: Not reported

Inert Material:

Removed Date: 09/10/2003 Change in Service Date: Not reported Tank Pit Num: Not reported Tank Mfg: Not reported Tank EXT Corr Protect: Unknown Tank Overfill Protection: Unknown Last Tank Test Date: Not reported Not reported Relined Date: Lining Insp Date: Not reported Pipe Release Detection: Unknown Pipe Rel Detect Suc: Unknown Pipe Leak Detect: Not reported Last Contained Date: Not reported Pipe Mfa: Not reported Last Pipe Test Date: Not reported

Direction Distance Elevation

ion Site Database(s) EPA ID Number

JANICE BEARD PROPERTY (Continued)

U003990483

EDR ID Number

Last CP Test Date: Not reported
Added To Flex Date: Not reported
Added To Piping Date: Not reported
Tank Material: Single Wall Steel

Tank Release Detect:

Tank Int Protect:

Pipe Material:

Pipe Ext Corr Protect:

Pipe Type:

Tank Substance:

Subject Item ID:

Vone

Unknown

Suction

Gasoline

Subject Item ID:

Sune

Unknown

Suction

Gasoline

Tank Status: Removed Tank Verified

Not reported

Single Wall Steel

Installation Date: 01/01/1901
Closed In Place Date: 01/01/1978
Capacity in Gallons: 1,000
Compartment Number: 1

Piping Installation Date: Not reported Added To Tank Date: Not reported

Inert Material:

Tank Material:

Removed Date: 09/10/2003 Change in Service Date: Not reported Tank Pit Num: Not reported Tank Mfg: Not reported Tank EXT Corr Protect: Unknown Tank Overfill Protection: Unknown Last Tank Test Date: Not reported Relined Date: Not reported Lining Insp Date: Not reported Pipe Release Detection: Unknown Unknown Pipe Rel Detect Suc: Pipe Leak Detect: Not reported Last Contained Date: Not reported Pipe Mfg: Not reported Last Pipe Test Date: Not reported Last CP Test Date: Not reported Added To Flex Date: Not reported Added To Piping Date: Not reported

Tank Release Detect: None
Tank Int Protect: Unknown
Pipe Material: Single Wall Steel
Pipe Ext Corr Protect: Unknown
Pipe Type: Suction

Tank Substance: Gasoline Subject Item ID: 3

Tank Status: Removed Tank Verified

Installation Date: 01/01/1901 Closed In Place Date: 01/01/1978 Capacity in Gallons: 560 Compartment Number: 1

Piping Installation Date: Not reported Added To Tank Date: Not reported

Inert Material: Not reported Removed Date: 09/10/2003 Change in Service Date: Not reported

Map ID MAP FINDINGS
Direction

Distance Elevation

Site Database(s) EPA ID Number

JANICE BEARD PROPERTY (Continued)

U003990483

EDR ID Number

Tank Pit Num: Not reported Tank Mfg: Not reported Tank EXT Corr Protect: Unknown Tank Overfill Protection: Unknown Last Tank Test Date: Not reported Relined Date: Not reported Lining Insp Date: Not reported Pipe Release Detection: Unknown Pipe Rel Detect Suc: Unknown Pipe Leak Detect: Not reported Last Contained Date: Not reported Not reported Pipe Mfg: Last Pipe Test Date: Not reported Last CP Test Date: Not reported Added To Flex Date: Not reported Added To Piping Date: Not reported Unknown Tank Material: Tank Release Detect: None Tank Int Protect: Unknown Pipe Material: Unknown Pipe Ext Corr Protect: Unknown Pipe Type: Unknown Gasoline Tank Substance: Subject Item ID:

Tank Status: Removed Tank Verified

Installation Date: 01/01/1901
Closed In Place Date: Not reported
Capacity in Gallons: 720

Compartment Number: 1

Piping Installation Date: Not reported Added To Tank Date: Not reported

Inert Material: Not reported Removed Date: 09/10/2003 Change in Service Date: Not reported Tank Pit Num: Not reported Tank Mfg: Not reported Tank EXT Corr Protect: Unknown Tank Overfill Protection: Unknown Last Tank Test Date: Not reported Not reported Relined Date: Not reported Lining Insp Date: Pipe Release Detection: Unknown Pipe Rel Detect Suc: Unknown Pipe Leak Detect: Not reported Last Contained Date: Not reported Pipe Mfg: Not reported Last Pipe Test Date: Not reported Last CP Test Date: Not reported Not reported Added To Flex Date: Added To Piping Date: Not reported Tank Material: Unknown Tank Release Detect: None Tank Int Protect: Unknown Pipe Material: Unknown Pipe Ext Corr Protect: Unknown Pipe Type: Unknown

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

JANICE BEARD PROPERTY (Continued)

U003990483

Tank Substance: Gasoline

Subject Item ID: 5

Tank Status: Removed Tank Verified

Installation Date: 01/01/1901 Closed In Place Date: Not reported Capacity in Gallons: 300 Compartment Number:

Piping Installation Date: Not reported Added To Tank Date: Not reported

Inert Material: Not reported 09/10/2003 Removed Date: Change in Service Date: Not reported Tank Pit Num: Not reported Tank Mfg: Not reported Tank EXT Corr Protect: Unknown Tank Overfill Protection: Unknown Last Tank Test Date: Not reported Relined Date: Not reported Lining Insp Date: Not reported Pipe Release Detection: Unknown Pipe Rel Detect Suc: Unknown Pipe Leak Detect: Not reported Last Contained Date: Not reported Pipe Mfg: Not reported Last Pipe Test Date: Not reported Last CP Test Date: Not reported Added To Flex Date: Not reported Added To Piping Date: Not reported Tank Material: Unknown Tank Release Detect: None Tank Int Protect: Unknown Pipe Material: Unknown

Tank Status: Removed Tank Verified

Unknown

Unknown

Gasoline

Installation Date: 01/01/1901 Closed In Place Date: Not reported

560 Capacity in Gallons: Compartment Number:

Pipe Ext Corr Protect:

Tank Substance:

Subject Item ID:

Pipe Type:

Piping Installation Date: Not reported Added To Tank Date: Not reported

19 **MAX ARNOLD & SONS INC** SE

181 MURRAY ST 1/4-1/2 MADISONVILLE, KY 42431

0.278 mi. 1466 ft.

Relative: **UST FINDER:** Higher Object ID:

Facility ID: KY7491054 Actual: Name: MAX ARNOLD & SONS INC 442 ft.

Address: 181 MURRAY ST

City,State,Zip: MADISONVILLE, KY 42431

177318

Address Match Type: Not reported 1028371541

N/A

UST FINDER

UST FINDER RELEASE

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

MAX ARNOLD & SONS INC (Continued)

1028371541

Open USTs: 0 Closed USTs: 5 TOS USTs: 0 Population 1500ft: 716 Private Wells 1500ft: 0 Within 100yr Floodplain: No

Land Use: Developed, Low Intensity

Within SPA: No

SPA PWS Facility ID: Not reported SPA Water Type: Not reported SPA Facility Type: Not reported SPA HUC12: Not reported

Within WHPA: No

WHPA PWS Facility ID: Not reported Not reported WHPA Water Type: Not reported WHPA Facility Type: WHPA HUC12: Not reported Closed UST(s) Facility Status: Date of Last Inspection: Not reported

EPA Region: 4

Tribe: Not reported Coordinate Source: State X Coord: -87.509419 Y Coord: 37.3326900000001

Latitude: 37.33269 Longitude: -87.509419

UST FINDER:

Object ID: 602338 Facility ID: KY7491054 Tank ID: KY7491054_5_1

Tank Status: Closed

Installation Date: 1972/01/01 16:00:00+00 Removal Date: 1992/01/09 15:59:59+00

280 Tank Capacity: Oil Substances: Tank Wall Type: Single

Object ID: 585518 Facility ID: KY7491054 Tank ID: KY7491054_4_1 Tank Status: Closed

Installation Date: 1972/01/01 16:00:00+00 Removal Date: 1998/10/13 15:59:59+00

Tank Capacity: 2000 Substances: Diesel Tank Wall Type: Single

Object ID: 585519 Facility ID: KY7491054 Tank ID: KY7491054_1_1

Tank Status: Closed

Installation Date: 1970/01/01 16:00:00+00 1998/10/13 15:59:59+00 Removal Date:

Tank Capacity: 8000 Substances: Gasoline Tank Wall Type: Single

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

MAX ARNOLD & SONS INC (Continued)

1028371541

Object ID: 585521 Facility ID: KY7491054 Tank ID: KY7491054_2_1 Tank Status: Closed

Installation Date: 1952/01/01 16:00:01+00 Removal Date: 1998/10/13 15:59:59+00

6000 Tank Capacity: Substances: Gasoline Tank Wall Type: Single

Object ID: 585522 Facility ID: KY7491054 Tank ID: KY7491054_3_1

Tank Status: Closed

Installation Date: 1952/01/01 16:00:01+00 Removal Date: 1998/10/13 15:59:59+00

Tank Capacity: 6000 Gasoline Substances: Tank Wall Type: Single

UST FINDER RELEASE:

Object ID: 170972 Facility ID: KY5301 Lust ID: KY2748

Name: MAX ARNOLD & SONS INC Address: 181 MURRAY ST

City, State, Zip: MADISONVILLE, KY 0 Address Match Type: Not reported

Reported Date: Not reported Status: Unkown Substance: Not reported

Population within 1500ft: 715 Domestic Wells within 1500ft:

Land Use: Developed, Low Intensity

Within SPA: No

SPA PWS Facility ID: Not reported SPA Water Type: Not reported Not reported SPA Facility Type: SPA HUC12: Not reported Within WHPA: No

WHPA PWS Facility ID: Not reported WHPA Water Type: Not reported Not reported WHPA Facility Type: WHPA HUC12: Not reported

Within 100yr Floodplain: No

Tribe: Not reported

EPA Region:

NFA Letter 1: Not reported NFA Letter 2: Not reported NFA Letter 3: Not reported NFA Letter 4: Not reported Closed With Residual Contaminate: Not reported Coordinate Source: State X Coord: -87.50942

Y Coord: 37.3326900000001 37.3326899999999 Latitude:

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

MAX ARNOLD & SONS INC (Continued)

1028371541

Longitude: -87.50942

MADISONVILLE STATE VO-TECH SCHOOL **SHWS** 20 1000263128 SSE **150 SCHOOL AVENUE** UST KYD120195540

1/4-1/2 MADISONVILLE, KY 42431 **RCRA NonGen / NLR** 0.304 mi. **FINDS** 1603 ft. **ECHO**

Relative: SHWS:

Higher MADISONVILLE COMMUNITY COLLEGE Name:

Address: 150 SCHOOL AVE. Actual: MADISONVILLE, KY 42431 City, State, Zip: 443 ft.

Facility Id: 52360 Status: Closed

Description: MADISONVILLE STATE VO-TECH / KENTUCKY BOARD OF EDU (Closed: Unfounded)

Closure Date: 01/04/2001 Longitude: -87.511150 Latitude: 37.330752 Hopkins Subject Item County: Sub Item Longitude: -87.487300 Sub Item Latitude: 37.328000 Subject Item Address: 150 School Ave Subject Item Address2: Not reported

Subject Item City, St, Zip: Madisonville, KY 42431 Regulatory Desc: Petroleum Cleanup

Closure Option: Unfounded Side SG: 35597 Acreage: Not reported

UST:

MADISONVILLE COMMUNITY COLLEGE Name:

Address: 150 SCHOOL AVE MADISONVILLE, KY 42431 City, State, Zip:

Sequence Id: 330054 Facility ID: 52360 Owner Name: NONE Owner Address: Not reported Owner Address2: Not reported Owner Address3: Not reported

Owner City, St, Zip: NONE, NONE NONE

Internal Document ID: 0

Latitude: -87.51115 Longitude: 37.330752

Inert Material: Not reported Removed Date: Not reported Change in Service Date: Not reported Tank Pit Num: Not reported Tank Mfg: Not reported Tank EXT Corr Protect: None Tank Overfill Protection: Unknown Last Tank Test Date: Not reported Relined Date: Not reported Lining Insp Date: Not reported Pipe Release Detection: Unknown Pipe Rel Detect Suc: Unknown Pipe Leak Detect: Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

MADISONVILLE STATE VO-TECH SCHOOL (Continued)

1000263128

Last Contained Date: Not reported Not reported Pipe Mfg: Last Pipe Test Date: Not reported Last CP Test Date: Not reported Added To Flex Date: Not reported Not reported Added To Piping Date: Single Wall Steel Tank Material:

Tank Release Detect: None Tank Int Protect: Unknown Pipe Material: Unknown Pipe Ext Corr Protect: Unknown Pipe Type: Unknown Tank Substance: Fuel Oil Subject Item ID: Tank Status: Exempt Installation Date: 01/01/1970 Closed In Place Date: Not reported Capacity in Gallons: 10,000 Compartment Number:

Not reported Piping Installation Date: Added To Tank Date: Not reported

RCRA Listings:

Date Form Received by Agency: 20111209

Madisonville Community College Kctcs Handler Name:

Handler Address: School Avenue

Handler City, State, Zip: MADISONVILLE, KY 42431

EPA ID: KYD120195540 Contact Name: **EDDIE MARKS** Contact Address: **COLLEGE DRIVE** Contact City, State, Zip: MADISONVILLE, KY 42431

Contact Telephone: 270-824-1754 Contact Fax: Not reported Contact Email: Not reported Contact Title: Not reported EPA Region: 04

Land Type: Private

Federal Waste Generator Description: Not a generator, verified

Not reported Non-Notifier: Biennial Report Cycle: Not reported Accessibility: Not reported Active Site Indicator: Not reported State District Owner: Ky State District: 0199

Mailing Address: **COLLEGE DRIVE**

Mailing City, State, Zip: MADISONVILLE, KY 42431 Owner Name: Kentucky Department Of Education

Owner Type: State Operator Name: State Of Ky Operator Type: State Short-Term Generator Activity: No Importer Activity: No Mixed Waste Generator: No

Transporter Activity: No Transfer Facility Activity: No Recycler Activity with Storage: No Small Quantity On-Site Burner Exemption: No

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

MADISONVILLE STATE VO-TECH SCHOOL (Continued)

1000263128

Smelting Melting and Refining Furnace Exemption: No **Underground Injection Control:** No Off-Site Waste Receipt: No Universal Waste Indicator: No Universal Waste Destination Facility: No Federal Universal Waste: No Active Site State-Reg Handler:

Federal Facility Indicator: Not reported

Hazardous Secondary Material Indicator: NN

Sub-Part K Indicator: Not reported 2018 GPRA Permit Baseline: Not on the Baseline 2018 GPRA Renewals Baseline: Not on the Baseline

202 GPRA Corrective Action Baseline: No Subject to Corrective Action Universe: No Non-TSDFs Where RCRA CA has Been Imposed Universe: No

Corrective Action Priority Ranking: No NCAPS ranking

Environmental Control Indicator: No Institutional Control Indicator: No Human Exposure Controls Indicator: N/A Groundwater Controls Indicator: N/A Significant Non-Complier Universe: No Unaddressed Significant Non-Complier Universe: No Addressed Significant Non-Complier Universe: No Significant Non-Complier With a Compliance Schedule Universe: No

Financial Assurance Required: Not reported Handler Date of Last Change: 20111212 Recognized Trader-Importer: No Recognized Trader-Exporter: No

Importer of Spent Lead Acid Batteries: No Exporter of Spent Lead Acid Batteries: No Recycler Activity Without Storage: Not reported

Manifest Broker: Not reported

Sub-Part P Indicator: No

Hazardous Waste Summary:

Waste Code: D001

Waste Description: Ignitable Waste

Waste Code: D005 Waste Description: **Barium**

Waste Code: D006 Waste Description: Cadmium

Waste Code: D007 Waste Description: Chromium

D008 Waste Code: Waste Description: Lead

Waste Code: D035

Waste Description: Methyl Ethyl Ketone

Waste Code: D039

Waste Description: Tetrachloroethylene

Direction Distance

Elevation Site Database(s) EPA ID Number

MADISONVILLE STATE VO-TECH SCHOOL (Continued)

1000263128

EDR ID Number

Waste Code: D040

Waste Description: Trichlorethylene

Waste Code: U002

Waste Description: 2-Propanone (I) (Or) Acetone (I)

Waste Code: U031

Waste Description: 1-Butanol (I) (Or) N-Butyl Alcohol (I)

Waste Code: U057

Waste Description: Cyclohexanone (I)

Waste Code: U080

Waste Description: Methane, Dichloro- (Or) Methylene Chloride

Waste Code: U112

Waste Description: Acetic Acid, Ethyl Ester (I) (Or) Ethyl Acetate (I)

Waste Code: U154

Waste Description: Methanol (I) (Or) Methyl Alcohol (I)

Waste Code: U159

Waste Description: 2-Butanone (I,T) (Or) Methyl Ethyl Ketone (Mek) (I,T)

Waste Code: U161

Waste Description: 4-Methyl-2-Pentanone (I) (Or) Methyl Isobutyl Ketone (I) (Or)

Pentanol, 4-Methyl-

Waste Code: U210

Waste Description: Ethene, Tetrachloro- (Or) Tetrachloroethylene

Waste Code: U220

Waste Description: Benzene, Methyl- (Or) Toluene

Waste Code: U228

Waste Description: Ethene, Trichloro- (Or) Trichloroethylene

Waste Code: U239

Waste Description: Benzene, Dimethyl- (I,T) (Or) Xylene (I)

Handler - Owner Operator:

Owner/Operator Indicator:
Owner/Operator Name: KENTUCKY DEPARTMENT OF EDUCATION
Legal Status:
Date Became Current:
Date Ended Current:
Owner/Operator Address:
Owner/Operator Address:
Owner/Operator Indicator:
Owner Owner Owner Indicator:
Owner Owner Owner Indicator:
Owner Indicat

Owner/Operator City, State, Zip: UNKNOWN, KY 00000

Owner/Operator Telephone: 502-825-6544
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator:

Owner/Operator Name: KENTUCKY DEPARTMENT OF EDUCATION
Legal Status:

Date Became Current:

State
Not reported

Distance

Elevation Site Database(s) EPA ID Number

MADISONVILLE STATE VO-TECH SCHOOL (Continued)

1000263128

EDR ID Number

Date Ended Current:

Owner/Operator Address:

Not reported
UNKNOWN

Owner/Operator City, State, Zip: UNKNOWN, KY 00000

Owner/Operator Telephone: 502-825-6544
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator

Owner/Operator Name: STATE OF KY

Legal Status: State Date Became Current: 19990101 Date Ended Current: Not reported Owner/Operator Address: Not reported Owner/Operator City, State, Zip: Not reported Owner/Operator Telephone: Not reported Owner/Operator Telephone Ext: Not reported Owner/Operator Fax: Not reported Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 19910617
Handler Name: MADISONVILLE STATE VO-TECH SCHOOL

Federal Waste Generator Description: Not a generator, verified

State District Owner:

Large Quantity Handler of Universal Waste:

No
Recognized Trader Importer:

No
Recognized Trader Exporter:

No
Spent Lead Acid Battery Importer:

No
Spent Lead Acid Battery Exporter:

No
Current Record:

Non Storage Recycler Activity: Not reported Electronic Manifest Broker: Not reported

Receive Date: 20111209

Handler Name: MADISONVILLE COMMUNITY COLLEGE KCTCS
Federal Waste Generator Description: Not a generator, verified

State District Owner: Ky

Recognized Trader Importer:

Recognized Trader Exporter:

No
Spent Lead Acid Battery Importer:

No
Spent Lead Acid Battery Exporter:

No
Current Record:

No
System System

Non Storage Recycler Activity: Not reported Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 61121

NAICS Description: JUNIOR COLLEGES

Has the Facility Received Notices of Violations:

Found Violation: No

Agency Which Determined Violation:

Violation Short Description:

Not reported

Not reported

Not reported

Not reported

MAP FINDINGS Map ID Direction

Distance Elevation

Site Database(s) **EPA ID Number**

MADISONVILLE STATE VO-TECH SCHOOL (Continued)

1000263128

EDR ID Number

Actual Return to Compliance Date: Not reported Return to Compliance Qualifier: Not reported Violation Responsible Agency: Not reported Scheduled Compliance Date: Not reported Enforcement Identifier: Not reported Not reported Date of Enforcement Action: Enforcement Responsible Agency: Not reported Not reported **Enforcement Docket Number: Enforcement Attorney:** Not reported Corrective Action Component: Not reported Appeal Initiated Date: Not reported Appeal Resolution Date: Not reported Disposition Status Date: Not reported **Disposition Status:** Not reported Disposition Status Description: Not reported Consent/Final Order Sequence Number:Not reported Consent/Final Order Respondent Name: Not reported Consent/Final Order Lead Agency: Not reported **Enforcement Type:** Not reported Enforcement Responsible Person: Not reported Enforcement Responsible Sub-Organization: Not reported SEP Sequence Number: Not reported SEP Expenditure Amount: Not reported SEP Scheduled Completion Date: Not reported SEP Actual Date: Not reported SEP Defaulted Date: Not reported SEP Type: Not reported SEP Type Description: Not reported Proposed Amount: Not reported Not reported Final Monetary Amount: Paid Amount: Not reported Final Count: Not reported Final Amount: Not reported Found Violation: No Agency Which Determined Violation: Not reported Violation Short Description: Not reported Date Violation was Determined: Not reported Actual Return to Compliance Date: Not reported Return to Compliance Qualifier: Not reported Violation Responsible Agency: Not reported Scheduled Compliance Date: Not reported Enforcement Identifier: Not reported Date of Enforcement Action: Not reported Enforcement Responsible Agency: Not reported **Enforcement Docket Number:** Not reported

Enforcement Attorney: Not reported Corrective Action Component: Not reported Appeal Initiated Date: Not reported Appeal Resolution Date: Not reported Disposition Status Date: Not reported **Disposition Status:** Not reported Not reported Disposition Status Description: Consent/Final Order Sequence Number:Not reported

Consent/Final Order Respondent Name: Not reported

Consent/Final Order Lead Agency: Not reported

Enforcement Type: Not reported Map ID MAP FINDINGS Direction

Distance Elevation

Site Database(s) EPA ID Number

Not reported

MADISONVILLE STATE VO-TECH SCHOOL (Continued)

1000263128

EDR ID Number

ADISONVILLE STATE VO-TECTI SCHOOL (COIRINGEA)	
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number: Not reported	
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:Not reported	
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type: Not reported	
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number: Not reported	
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported Not reported
Proposed Amount:	
Final Monetary Amount: Paid Amount:	Not reported
Final Count:	Not reported Not reported
Final Count: Final Amount:	Not reported
i mai Amount.	Hot reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported

Date Violation was Determined:

MAP FINDINGS Map ID Direction

Distance Elevation Site

EDR ID Number Database(s) **EPA ID Number**

MADISONVILLE STATE VO-TECH SCHOOL (Continued)

1000263128

Actual Return to Compliance Date: Not reported Return to Compliance Qualifier: Not reported Violation Responsible Agency: Not reported Scheduled Compliance Date: Not reported Enforcement Identifier: Not reported Date of Enforcement Action: Not reported Not reported Enforcement Responsible Agency: **Enforcement Docket Number:** Not reported Not reported **Enforcement Attorney:** Corrective Action Component: Not reported Appeal Initiated Date: Not reported Not reported Appeal Resolution Date: Disposition Status Date: Not reported **Disposition Status:** Not reported Disposition Status Description: Not reported

Consent/Final Order Sequence Number:Not reported

Consent/Final Order Respondent Name: Not reported Consent/Final Order Lead Agency: Not reported

Enforcement Type: Not reported

Enforcement Responsible Person: Not reported Enforcement Responsible Sub-Organization: Not reported

SEP Sequence Number: Not reported

SEP Expenditure Amount: Not reported SEP Scheduled Completion Date: Not reported SEP Actual Date: Not reported SEP Defaulted Date: Not reported SEP Type: Not reported SEP Type Description: Not reported Proposed Amount: Not reported Final Monetary Amount: Not reported Paid Amount: Not reported Final Count: Not reported Final Amount: Not reported

Evaluation Action Summary:

20150224 **Evaluation Date:** Evaluation Responsible Agency: State Found Violation:

COMPLIANCE EVALUATION INSPECTION Evaluation Type Description:

Evaluation Responsible Person Identifier: **KYCSC** Evaluation Responsible Sub-Organization: MA Actual Return to Compliance Date: Not reported

Scheduled Compliance Date: Not reported Date of Request: Not reported Date Response Received: Not reported Request Agency: Not reported Former Citation: Not reported

Evaluation Date: 19951110 **Evaluation Responsible Agency:** State Found Violation: No

COMPLIANCE EVALUATION INSPECTION **Evaluation Type Description:**

Evaluation Responsible Person Identifier: **KYCTH** Evaluation Responsible Sub-Organization: MA

Actual Return to Compliance Date: Not reported Scheduled Compliance Date: Not reported Date of Request: Not reported

Direction Distance Elevation

tance EDR ID Number vation Site Database(s) EPA ID Number

MADISONVILLE STATE VO-TECH SCHOOL (Continued)

1000263128

Date Response Received:Not reportedRequest Agency:Not reportedFormer Citation:Not reported

Evaluation Date: 20080324
Evaluation Responsible Agency: State
Found Violation: No

Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION

Evaluation Responsible Person Identifier: KYBAP Evaluation Responsible Sub-Organization: MA

Actual Return to Compliance Date:

Scheduled Compliance Date:

Not reported
Date of Request:

Not reported
Not reported
Not reported
Request Agency:

Former Citation:

Not reported
Not reported
Not reported
Not reported

Evaluation Date: 20110408
Evaluation Responsible Agency: State
Found Violation: No

Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION

Evaluation Responsible Person Identifier: KYDAD Evaluation Responsible Sub-Organization: MA

Actual Return to Compliance Date:

Scheduled Compliance Date:

Not reported

Not reported

Date of Request:

Not reported

Not reported

Not reported

Not reported

Not reported

Not reported

Request Agency:

Not reported

Not reported

Not reported

Not reported

Not reported

FINDS:

Registry ID: 110003227259

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:

KENTUCKY- Tools for Environmental Management and Protection Organizations (KY-TEMPO) is Kentucky's central repository for facility data and includes permits, surveillance, enforcement, and remediation information.

The Resource Conservation and Recovery Act Information System (RCRAInfo) is EPA's comprehensive information system in support of the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. It tracks many types of information about generators, transporters, treaters, storers, and disposers of hazardous waste.

<u>Click this hyperlink</u> while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000263128 Registry ID: 110003227259

DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110003227259

Name: MADISONVILLE STATE VO-TECH SCHOOL

Address: 150 SCHOOL AVENUE
City,State,Zip: MADISONVILLE, KY 42431

Direction Distance

Elevation Site Database(s) **EPA ID Number**

21 **GORDON CONSTRUCTION LANDFILL** SWF/LF S123109269 **East**

BROWN ST N/A

1/4-1/2 MADISONVILLE, KY 42431

0.351 mi. 1853 ft.

Relative: LF:

Higher GORDON CONSTRUCTION LANDFILL Name:

Address: **BROWN ST** Actual:

MADISONVILLE, KY 42431 City,State,Zip: 478 ft.

Facility ID: 43283 Status: Terminated Permit Number: 05400042-1 ACTV0000000001 SI ID: 05400042-1 SI Designation:

Al Name: Gordon Construction Landfill

Rel Entity ID: Not reported

Facility Type: CDD Landfill <1 Acre-SW-RPBR

37.337778 Latitude:

-87.504722000000001 Longitude: Permittee city/state/zip: MADISONVILLE, KY 42431

Permit expired date: Not reported Related Entity Name: Not reported Related Entity Address1: Not reported Related Entity Address2: Not reported Related Entity Municipality: Not reported Related Entity State: Not reported Related Entity Zip: Not reported Related Entity Type: Not reported

SI Description: LANDFILL, CDD < 1 ACRE-ACTIVITY CEASED

Date Last Site Insp.: Not reported Last Inspector: Not reported Related Entity Specific Type: Not reported

22 **JOY MANUFACTURING CO** 1028368028 **UST FINDER** NW 555 BROWN LN **UST FINDER RELEASE** N/A

1/4-1/2 MADISONVILLE, KY 42431

0.364 mi. 1921 ft.

UST FINDER: Relative: Lower Object ID: 177415 Facility ID: KY4582054 Actual:

Name: JOY MANUFACTURING CO 426 ft.

Address: 555 BROWN LN

City, State, Zip: MADISONVILLE, KY 42431

Address Match Type: Not reported

Open USTs: 0 Closed USTs: 2 TOS USTs: n Population 1500ft: 308 Private Wells 1500ft: 0 Within 100yr Floodplain: No

Land Use: Non-Developed

Within SPA: No

SPA PWS Facility ID: Not reported SPA Water Type: Not reported SPA Facility Type: Not reported SPA HUC12: Not reported

Within WHPA: No **EDR ID Number**

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

JOY MANUFACTURING CO (Continued)

1028368028

WHPA PWS Facility ID: Not reported WHPA Water Type: Not reported WHPA Facility Type: Not reported WHPA HUC12: Not reported Facility Status: Closed UST(s) Date of Last Inspection: Not reported

EPA Region:

Tribe: Not reported Coordinate Source: State X Coord: -87.520296 37.3401250000001 Y Coord: 37.340125 Latitude: -87.520296 Longitude:

UST FINDER:

Object ID: 603051 Facility ID: KY4582054 Tank ID: KY4582054_1_1 Tank Status: Closed

Installation Date: 1965/01/01 16:00:01+00 1991/07/25 15:59:59+00 Removal Date:

Tank Capacity: 1000 Substances: Gasoline Tank Wall Type: Single

Object ID: 603052 Facility ID: KY4582054 Tank ID: KY4582054 2 1

Tank Status: Closed

Installation Date: 1965/01/01 16:00:01+00 1991/07/25 15:59:59+00 Removal Date:

Tank Capacity: 1000 Substances: Diesel Tank Wall Type: Single

UST FINDER RELEASE:

Object ID: 170948 Facility ID: KY64544 KY7349 Lust ID:

JOY MANUFACTURING CO Name:

Address: 555 BROWN LN City, State, Zip: MADISONVILLE, KY 0 Address Match Type: Not reported

Reported Date: Not reported Unkown Status: Substance: Not reported

Population within 1500ft: 307 Domestic Wells within 1500ft:

Land Use: Non-Developed

Within SPA: No

SPA PWS Facility ID: Not reported SPA Water Type: Not reported SPA Facility Type: Not reported SPA HUC12: Not reported Within WHPA: No

WHPA PWS Facility ID: Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

JOY MANUFACTURING CO (Continued)

1028368028

WHPA Water Type: Not reported Not reported WHPA Facility Type: WHPA HUC12: Not reported Within 100yr Floodplain: No

Tribe: Not reported

EPA Region:

NFA Letter 1: Not reported NFA Letter 2: Not reported NFA Letter 3: Not reported NFA Letter 4: Not reported Closed With Residual Contaminate: Not reported Coordinate Source: State X Coord: -87.5203 Y Coord: 37.34013 Latitude: 37.34013 Longitude: -87.5203

E23 THOMPSON SANITARY SUPPLY **UST FINDER** 1028363987 **UST FINDER RELEASE ESE** 158 LUNSFORD N/A MADISONVILLE, KY 42431 1/4-1/2

0.481 mi.

2540 ft. Site 1 of 2 in cluster E

UST FINDER: Relative: Higher Object ID: 177308 Facility ID: KY220054 Actual:

Name: THOMPSON SANITARY SUPPLY 460 ft.

> Address: 158 LUNSFORD

MADISONVILLE, KY 42431 City,State,Zip:

Address Match Type: Not reported

Open USTs: 0 Closed USTs: TOS USTs: 0 Population 1500ft: 1001 Private Wells 1500ft: 0 Within 100yr Floodplain: No

Land Use: Developed, Open Space

Within SPA: No

SPA PWS Facility ID: Not reported Not reported SPA Water Type: SPA Facility Type: Not reported SPA HUC12: Not reported Within WHPA: No

WHPA PWS Facility ID: Not reported WHPA Water Type: Not reported WHPA Facility Type: Not reported WHPA HUC12: Not reported Facility Status: Closed UST(s) Date of Last Inspection: Not reported

EPA Region:

Tribe: Not reported Coordinate Source: State

X Coord: -87.5043439999999 Y Coord: 37.3316070000001 Latitude: 37.331607 Longitude: -87.504344

UST FINDER:

Direction Distance

Elevation Site Database(s) **EPA ID Number**

THOMPSON SANITARY SUPPLY (Continued)

1028363987

EDR ID Number

Object ID: 607609 Facility ID: KY220054 Tank ID: KY220054_1_1 Tank Status: Closed

Installation Date: 1980/01/01 16:00:00+00 1989/07/01 16:00:00+00 Removal Date:

Tank Capacity: 550 Substances: Gasoline Tank Wall Type: Single

UST FINDER RELEASE:

Object ID: 170990 Facility ID: KY67464 Lust ID: KY2305

THOMPSON SANITARY SUPPLY Name:

158 LUNSFORD Address: City,State,Zip: MADISONVILLE, KY 0

Address Match Type: Not reported Reported Date: Not reported Status: Unkown Substance: Not reported Population within 1500ft: 1002 Domestic Wells within 1500ft:

Land Use: Developed, Open Space

Within SPA:

Not reported SPA PWS Facility ID: SPA Water Type: Not reported SPA Facility Type: Not reported SPA HUC12: Not reported

Within WHPA: No

WHPA PWS Facility ID: Not reported WHPA Water Type: Not reported WHPA Facility Type: Not reported WHPA HUC12: Not reported

Within 100yr Floodplain: No

Tribe: Not reported

EPA Region:

NFA Letter 1: Not reported Not reported NFA Letter 2: Not reported NFA Letter 3: NFA Letter 4: Not reported Closed With Residual Contaminate: Not reported Coordinate Source: State X Coord: -87.50434

Y Coord: 37.3316100000001 Latitude: 37.3316099999999 -87.5043399999999 Longitude:

Direction Distance

Distance Elevation Site EDR ID Number

EDR ID Number

EPA ID Number

F24 BROWNING SPRINGS MIDDLE SCHOOL UST FINDER 1028369727
SE 357 W ARCH ST UST FINDER RELEASE N/A

1/4-1/2 MADISONVILLE, KY 42431

0.485 mi.

2560 ft. Site 1 of 2 in cluster F

Relative: UST FINDER:

 Higher
 Object ID:
 177289

 Actual:
 Facility ID:
 KY572054

445 ft. Name: BROWNING SPRINGS MIDDLE SCHOOL

Address: 357 W ARCH ST

City, State, Zip: MADISONVILLE, KY 42431

Address Match Type: Not reported

 Open USTs:
 0

 Closed USTs:
 2

 TOS USTs:
 0

 Population 1500ft:
 943

 Private Wells 1500ft:
 0

 Within 100yr Floodplain:
 No

Land Use: Developed, Low Intensity

Within SPA: No

SPA PWS Facility ID:

SPA Water Type:

SPA Facility Type:

SPA HUC12:

Within WHPA:

Not reported

Not reported

Not reported

Not reported

WHPA PWS Facility ID:
WHPA Water Type:
WHPA Facility Type:
WHPA HUC12:
Facility Status:
Date of Last Inspection:
Not reported
Closed UST(s)
Not reported

EPA Region: 4

Tribe: Not reported Coordinate Source: State

X Coord: -87.5049789999999
Y Coord: 37.3306010000001
Latitude: 37.330601
Longitude: -87.504979

UST FINDER:

 Object ID:
 601095

 Facility ID:
 KY572054

 Tank ID:
 KY572054_1_1

 Tank Status:
 Closed

Installation Date: 1974/01/01 16:00:00+00 Removal Date: 1992/07/06 15:59:59+00

Tank Capacity: 6000
Substances: Gasoline
Tank Wall Type: Single

 Object ID:
 601096

 Facility ID:
 KY572054

 Tank ID:
 KY572054_2_1

 Tank Status:
 Closed

Installation Date: 1974/01/01 16:00:00+00 Removal Date: 1992/07/06 15:59:59+00

Tank Capacity: 6000
Substances: Diesel
Tank Wall Type: Single

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

BROWNING SPRINGS MIDDLE SCHOOL (Continued)

1028369727

UST FINDER RELEASE:

170978 Object ID: Facility ID: KY45654 Lust ID: KY5442

Name: **BROWNING SPRINGS MIDDLE SCHOOL**

Address: 357 W ARCH ST MADISONVILLE, KY 0 City,State,Zip:

Address Match Type: Not reported Reported Date: Not reported Status: Unkown Substance: Not reported Population within 1500ft: 799

Domestic Wells within 1500ft: Land Use: Developed, Low Intensity

Within SPA: No

SPA PWS Facility ID: Not reported SPA Water Type: Not reported SPA Facility Type: Not reported SPA HUC12: Not reported Within WHPA: No

WHPA PWS Facility ID: Not reported Not reported WHPA Water Type: WHPA Facility Type: Not reported WHPA HUC12: Not reported

Within 100yr Floodplain: No

Tribe: Not reported

EPA Region:

NFA Letter 1: Not reported NFA Letter 2: Not reported Not reported NFA Letter 3: NFA Letter 4: Not reported Closed With Residual Contaminate: Not reported Coordinate Source: State X Coord: -87.50837

37.33101 Y Coord: Latitude: 37.3310099999999 Longitude: -87.5083699999999

F25 MADISONVILLE OLD TRANSFORMER STORAGE

SEMS-ARCHIVE 1003868107 KYD980846216

HOPEWELL ST 1/4-1/2 MADISONVILLE, KY 42431

0.491 mi.

SE

2591 ft. Site 2 of 2 in cluster F

Relative: SEMS Archive:

Higher Site ID: 0402175 EPA ID: KYD980846216 Actual:

Name: MADISONVILLE OLD TRANSFORMER STORAGE 439 ft.

HOPEWELL ST Address: Address 2: Not reported

MADISONVILLE, KY 42431 City, State, Zip:

Cong District: 01 FIPS Code: 21107 FF:

NPL:

Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

MADISONVILLE OLD TRANSFORMER STORAGE (Continued)

1003868107

SEMS Archive Detail:

04 Region: Site ID: 0402175 EPA ID: KYD980846216

Site Name: MADISONVILLE OLD TRANSFORMER STORAGE

NPL: FF: Ν OU: 00 Action Code: EΑ

Action Name: **INT ASSESS**

SEQ:

Start Date: 1993-03-29 05:00:00 Finish Date: 1993-03-29 05:00:00

Qual:

Current Action Lead: EPA Perf

Region: 04 Site ID: 0402175 EPA ID: KYD980846216

Site Name: MADISONVILLE OLD TRANSFORMER STORAGE

NPL: FF: Ν OU: 00 Action Code: PΑ Action Name: PΑ SEQ:

Start Date: Not reported Finish Date: 1985-06-13 05:00:00

Qual: L

Current Action Lead: St Perf

Region: 04 Site ID: 0402175 EPA ID: KYD980846216

Site Name: MADISONVILLE OLD TRANSFORMER STORAGE

NPL: FF: Ν OU: 00 Action Code: DS Action Name: **DISCVRY**

SEQ:

Start Date: 1985-06-13 05:00:00 Finish Date: 1985-06-13 05:00:00 Not reported Qual:

Current Action Lead: EPA Perf

Region: 04 Site ID: 0402175 EPA ID: KYD980846216

Site Name: MADISONVILLE OLD TRANSFORMER STORAGE

NPL: FF: Ν OU: 00 Action Code: SI Action Name: SI SEQ:

Start Date: Not reported

Direction Distance

Distance Elevation Site EDR ID Number

EDR ID Number

EPA ID Number

MADISONVILLE OLD TRANSFORMER STORAGE (Continued)

1003868107

N/A

Finish Date: 1986-03-24 05:00:00

Qual: N
Current Action Lead: St Perf

 Region:
 04

 Site ID:
 0402175

 EPA ID:
 KYD980846216

Site Name: MADISONVILLE OLD TRANSFORMER STORAGE NPL: N

FF: N
OU: 00
Action Code: VS
Action Name: 00

Action Name: ARCH SITE

SEQ: 1

Start Date: Not reported
Finish Date: 1986-03-24 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

E26 MADISONVILLE OLD TRANSFORMER STORAGE SHWS S107467212

ESE HOPEWELL STREET
1/2-1 MADISONVILLE, KY 42431

0.510 mi.

2695 ft. Site 2 of 2 in cluster E

Relative: SHWS:
Higher Name: MADISONVILLE OLD TRANSFORMER STORAGE

Actual:Address:HOPEWELL STREET462 ft.City,State,Zip:MADISONVILLE, KY 42431

Facility ld: 52130 Status: Closed

Description: (Closed Option A) MADISONVILLE OLD TRANSFORMER STORAGE

Closure Date: 01/06/2015 Longitude: -87.503741 Latitude: 37.331573 Subject Item County: Hopkins -87.503322 Sub Item Longitude: Sub Item Latitude: 37.331502 Subject Item Address: 163 Hopewell St Subject Item Address2: Not reported

Subject Item City,St,Zip: Madisonville, KY 42431 Regulatory Desc: State Superfund

Closure Option: Option A No Action Necessary

Side SG: 15894 Acreage: Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

G27 HOPKINS CO STATE MAINTENANCE FACILITY #333 SHWS S122374781 NE PRIDE AVENUE **INST CONTROL** N/A

MADISONVILLE, KY 42431 1/2-1

0.649 mi.

3427 ft. Site 1 of 2 in cluster G

SHWS: Relative:

Higher HOPKINS CO STATE MAINTENANCE FACILITY #333 Name:

Address: PRIDE AVENUE Actual:

City,State,Zip: MADISONVILLE, KY 42431 488 ft.

Facility Id: 47770 Status: Closed

Description: HOPKINS CO. MAINTENANCE GARAGE (Closed: Restored)

02/08/1995 Closure Date: Longitude: -87.504765 Latitude: 37.344614 Subject Item County: Hopkins Sub Item Longitude: -87.504266 Sub Item Latitude: 37.344653 1020 Pride Ave Subject Item Address: Subject Item Address2: Not reported

Madisonville, KY 42431 Subject Item City, St, Zip: Regulatory Desc: State Superfund Closure Option: Option C Restored

Side SG: 31228 Acreage: 10.00

KS INSTUTIONAL CONTROL:

HOPKINS CO STATE MAINTENANCE FACILITY #333 Name:

Address: 1020 PRIDE AVENUE City,State,Zip: MADISONVILLE, KY 42431

Incident Id: 47770

GARA Number: GARA0000000001 Facilty Status: Not reported

37.344625 -87.504419 Lat/Lon:

Remedy: Not reported

Control Type: Restrictive Covenant

Program: Superfund Date Filed: Not reported Date Removed: Not reported

Control Method: Groundwater Use Restrictions, Capping (explain), Land Use Restrictions

3.85 Acreage:

HOPKINS CO STATE MAINTENANCE FACILITY #333 S124501381 G28 SHWS N/A

ΝE 1020 PRIDE ROAD

MADISONVILLE, KY 42431 1/2-1

0.649 mi.

Site 2 of 2 in cluster G 3427 ft.

SHWS: Relative: Higher HOPKINS CO STATE MAINTENANCE FACILITY #333 Name:

Address: 1020 PRIDE ROAD Actual: MADISONVILLE, KY 42431 City,State,Zip: 488 ft.

Facility Id: 47770 Status: Closed

Description: Closed Option C Restored 10-15-21

Closure Date: 11/28/2021 Longitude: -87.504765 Latitude: 37.344614

Direction Distance

Elevation Site Database(s) EPA ID Number

HOPKINS CO STATE MAINTENANCE FACILITY #333 (Continued)

S124501381

N/A

EDR ID Number

Subject Item County: Hopkins
Sub Item Longitude: -87.504418
Sub Item Latitude: 37.344625
Subject Item Address: 1020 Pride Ave
Subject Item Address2: Not reported

Subject Item City,St,Zip: Madisonville, KY 42431
Regulatory Desc: State Superfund
Closure Option: Option C Restored
Side SG: KTC Property

Acreage: 9.69

29 FIRST UNITED BANK OF HOPKINS CO SHWS \$106885248

ESE 162 NORTH MAIN STREET 1/2-1 MADISONVILLE, KY 42431

0.777 mi. 4103 ft.

Relative: SHWS:

Higher Name: FIRST UNITED BANK OF HOPKINS CO

Actual: Address: 162 NORTH MAIN STREET 459 ft. City,State,Zip: MADISONVILLE, KY 42431

Facility ld: 52867
Status: Closed

Description: FIRST UNITED BANK OF HOPKINS CO. (Closed: Unfounded)

Closure Date: 10/12/1995 -87.497852 Lonaitude: Latitude: 37.331253 Subject Item County: Hopkins -87.498168 Sub Item Longitude: Sub Item Latitude: 37.331037 Subject Item Address: 162 N Main St Subject Item Address2: Not reported

Subject Item City,St,Zip: Madisonville, KY 42431 Regulatory Desc: Petroleum Cleanup

Closure Option: Unfounded
Side SG: 38272
Acreage: Not reported

 30
 MADISONVILLE WATER TREATMENT P
 SHWS
 1010501531

 NW
 850 LAKE PEE WEE RD
 SWF/LF
 N/A

 1/2-1
 MADISONVILLE, KY 42431
 NPDES

0.802 mi. 4237 ft.

Relative: SHWS:

HigherName:MADISONVILLE LIGHT & WATERActual:Address:850 LAKE PEE WEE ROAD436 ft.City,State,Zip:MADISONVILLE, KY 42431

Facility Id: 1895 Status: Closed

Description: Vandalized transformers

 Closure Date:
 07/17/2014

 Longitude:
 -87.522780

 Latitude:
 37.347220

 Subject Item County:
 Hopkins

 Sub Item Longitude:
 -87.531648

Direction Distance

Elevation Site Database(s) EPA ID Number

MADISONVILLE WATER TREATMENT P (Continued)

1010501531

EDR ID Number

Sub Item Latitude: 37.368611

Subject Item Address: 850 Lake Pee Wee Rd

Subject Item Address2: Not reported

Subject Item City,St,Zip: Madisonville, KY 42431
Regulatory Desc: Petroleum Cleanup
Closure Option: Option C Restored
Side SG: Non-PCB oil spill
Acreage: Not reported

LF:

Name: MADISONVILLE LIGHT & WATER

Address: 850 LAKE PEE WEE RD City,State,Zip: MADISONVILLE, KY 42431

 Facility ID:
 1895

 Status:
 Terminated

 Permit Number:
 05400054

 SI ID:
 ACTV0000000002

SI Designation: Beneficial Reuse-Special Waste-RPBR

Al Name: Madisonville Light & Water

Rel Entity ID: 27510

Facility Type: Beneficial Reuse-Special Waste-RPBR

Latitude: 37.34722

Longitude: -87.522779999999997 Permittee city/state/zip: MADISONVILLE, KY 42431

Permit expired date: 09/15/2016
Related Entity Name: City of Madisonville
Related Entity Address1: 850 Lake Pee Wee Rd

Related Entity Municipality: Madisonville
Related Entity State: KY
Related Entity Zip: 42431
Related Entity Type: O

Related Entity Address2:

SI Description: Beneficial Reuse-Special Waste-RPBR

Not reported

Date Last Site Insp.: Not reported Last Inspector: Not reported Related Entity Specific Type: Municipal

Name: MADISONVILLE LIGHT & WATER
Address: 850 LAKE PEE WEE RD
City,State,Zip: MADISONVILLE, KY 42431

 Facility ID:
 1895

 Status:
 Terminated

 Permit Number:
 05400054-1

 SI ID:
 ACTV0000000001

 SI Designation:
 05400054-1

Al Name: Madisonville Light & Water

Rel Entity ID: 27510

Facility Type: Beneficial Reuse Latitude: 37.34722

Longitude: -87.522779999999997
Permittee city/state/zip: MADISONVILLE, KY 42431

Permit expired date: Not reported
Related Entity Name: City of Madisonville
Related Entity Address1: 850 Lake Pee Wee Rd

Related Entity Address2: Not reported Related Entity Municipality: Madisonville

Related Entity State: KY

Direction Distance

Elevation Site Database(s) EPA ID Number

MADISONVILLE WATER TREATMENT P (Continued)

1010501531

EDR ID Number

Related Entity Zip: 42431 Related Entity Type: O

SI Description: BENEFICIAL REUSE, SPECIAL WASTE-ACTIVITY APPROVED

Date Last Site Insp.: Not reported Last Inspector: Not reported Related Entity Specific Type: Municipal

NPDES:

Name: MADISONVILLE, CITY OF Address: 850 LAKE PEE WEE RD City,State,Zip: MADISONVILLE, KY 42431

Federal Facility ID: Not reported Facility Status: Effective KY DES #: KY0109487

Total App# Design Flow (MGD):

Horizontal Collect Method Desc:

Facility Addr 2:

Inactive Date:

Design Capacity:

Fee Category:

Not reported

Not reported

Not reported

Not reported

SIC Code: 4941

Lat/Long: 37.347222 / -87.522778

Lat/Long Method: Not reported

USGS Hydrologic Basin Code: 021

Facility Stream Segment: Not reported Facility Mileage Indicator: Not reported Basin Code: Not reported Basin Code Description: Not reported DMR Contact: **Burlie Stanley** 270-339-2709 Contact Telephone: Mailing Address: PO Box 710 Mailing Address 2: Not reported

Mailing City,St,Zip: Madisonville, KY 42431

Permit Issued: 07/08/2021
Permit Expires: 08/31/2026
SIC Code Description: Water Supply
Reveiving Waters: Greazy Crk
Major/Minor: Minor
Effective Date: 09/01/2021

Affiliation Type Desc: DMR Mailing Address Organization Formal Name: Madisonville, City Of

Facility Type Desc: Municipality
State Facility ID: 1895
Original Issue Date: 09/12/2011
Approved For Electronic DMR Submission: Yes

Name: MADISONVILLE WATER TREATMENT P

Address: 850 LAKE PEE WEE RD City,State,Zip: MADISONVILLE, KY 42431

Federal Facility ID: Not reported Facility Status: **INACTIVE** KY DES #: KYR107456 Total App# Design Flow (MGD): Not reported Horizontal Collect Method Desc: Not reported Facility Addr 2: Not reported Inactive Date: 10/19/2010 Design Capacity: Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

MADISONVILLE WATER TREATMENT P (Continued)

1010501531

Fee Category: Not reported SIC Code: 1611 Lat/Long: Not reported Lat/Long Method: Not reported USGS Hydrologic Basin Code: Not reported Facility Stream Segment: Not reported Facility Mileage Indicator: Not reported Basin Code: Not reported Basin Code Description: Not reported **DMR Contact: RICK ZALLA** Contact Telephone: 2708242145

Mailing Address 2: 850 LAKE PEE WEE RD Mailing City, St, Zip: MADISONVILLE, KY 42431

Permit Issued: 07/01/2009 Permit Expires: 07/31/2014

SIC Code Description: HWY & ST CONST., EXC. ELEV HWY

RICK ZALLA

Reveiving Waters: Not reported Major/Minor: **MINOR** Effective Date: Not reported Affiliation Type Desc: Not reported Organization Formal Name: Not reported Facility Type Desc: Not reported State Facility ID: Not reported Original Issue Date: Not reported

Approved For Electronic DMR Submission: Not reported

GAP FILLER ANNEX P-82

GAP FILLER ANNEX P-82 31 SE **GAP FILLER ANNEX P-82** 1/2-1 MADISONVILLE, KY 42431

Mailing Address:

0.874 mi. 4617 ft.

Relative: SHWS: Higher Name:

Address: **GAP FILLER ANNEX P-82** Actual: 470 ft. City, State, Zip: MADISONVILLE, KY 42431

Facility Id: 52386 Status: Closed

Description: **GAP FILLER ANNEX P-82**

Closure Date: 02/07/2012 Longitude: -87.496874 Latitude: 37.363560 Subject Item County: Hopkins -87.496799 Sub Item Longitude: Sub Item Latitude: 37.363529 Subject Item Address: **KY 41** Subject Item Address2: Not reported

Madisonville, KY 42431 Subject Item City, St, Zip: Regulatory Desc: Federal Superfund

Closure Option: Referred Side SG: 63990 Acreage: Not reported SHWS

S106885230

N/A

Direction Distance

Elevation Site Database(s) **EPA ID Number**

SHWS 32 **MCCOY MANAGEMENT SERVICES** S111930501 N/A

NE **1300 N MAIN ST**

MADISONVILLE, KY 42431 1/2-1

0.958 mi. 5056 ft.

Relative: SHWS: Higher

MCCOY MANAGEMENT SERVICES Name:

Address: 1300 N MAIN ST Actual:

City,State,Zip: MADISONVILLE, KY 42431 461 ft.

Facility Id: 66650 Status: Closed

MADISONVILLE SPILL (Closed: Restored) Description:

Closure Date: 08/03/1995 Longitude: -87.498116 Latitude: 37.345110 Subject Item County: Hopkins Sub Item Longitude: -87.498047 Sub Item Latitude: 37.347411 Subject Item Address: 1300 N Main Subject Item Address2: Not reported

Madisonville, KY 42431 Subject Item City,St,Zip: Regulatory Desc: State Superfund Closure Option: Option C Restored

Side SG: 35479 Acreage: Not reported **EDR ID Number**

Count: 2 records. ORPHAN SUMMARY

City	EDR ID Site Name	Site Address	Zip Database(s)
MADISONVILLE	S121369801 GLITTERWRAP INC	575 ISLAND PARK DR	42431 SHWS
MADISONVILLE	1015734132 ZEIGLER COAL COMPANY	LAFFOON TRAIL/RT 2	42431 SEMS-ARCHIVE

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 02/29/2024 Date Data Arrived at EDR: 03/01/2024

Date Made Active in Reports: 03/27/2024

Number of Days to Update: 26

Source: EPA Telephone: N/A

Last EDR Contact: 06/03/2024

Next Scheduled EDR Contact: 07/08/2024 Data Release Frequency: Quarterly

NPL Site Boundaries

EPA's Environmental Photographic Interpretation Center (EPIC)

Telephone: 202-564-7333

EPA Region 1 EPA Region 6

Telephone 617-918-1143 Telephone: 214-655-6659

EPA Region 3 EPA Region 7

Telephone 215-814-5418 Telephone: 913-551-7247

EPA Region 4 **EPA Region 8**

Telephone 404-562-8033 Telephone: 303-312-6774

EPA Region 5 EPA Region 9

Telephone 312-886-6686 Telephone: 415-947-4246

EPA Region 10

Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 02/29/2024 Date Data Arrived at EDR: 03/01/2024 Date Made Active in Reports: 03/27/2024

Number of Days to Update: 26

Source: EPA Telephone: N/A

Last EDR Contact: 06/03/2024

Next Scheduled EDR Contact: 07/08/2024 Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991 Date Data Arrived at EDR: 02/02/1994 Date Made Active in Reports: 03/30/1994

Number of Days to Update: 56

Source: EPA

Telephone: 202-564-4267 Last EDR Contact: 08/15/2011

Next Scheduled EDR Contact: 11/28/2011 Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Source: EPA

Date of Government Version: 02/29/2024 Date Data Arrived at EDR: 03/01/2024 Date Made Active in Reports: 03/27/2024

Number of Days to Update: 26

Telephone: N/A

Last EDR Contact: 06/03/2024

Next Scheduled EDR Contact: 07/08/2024 Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 12/20/2023 Date Data Arrived at EDR: 12/20/2023 Date Made Active in Reports: 01/24/2024

Number of Days to Update: 35

Source: Environmental Protection Agency Telephone: 703-603-8704

Last EDR Contact: 03/26/2024

Next Scheduled EDR Contact: 07/08/2024 Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 04/22/2024 Date Data Arrived at EDR: 05/01/2024 Date Made Active in Reports: 05/24/2024

Number of Days to Update: 23

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 06/03/2024

Next Scheduled EDR Contact: 07/22/2024 Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 04/22/2024 Date Data Arrived at EDR: 05/01/2024 Date Made Active in Reports: 05/24/2024

Number of Days to Update: 23

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 06/03/2024

Next Scheduled EDR Contact: 07/22/2024 Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/04/2023 Date Data Arrived at EDR: 12/06/2023 Date Made Active in Reports: 12/12/2023

Number of Days to Update: 6

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 06/07/2024

Next Scheduled EDR Contact: 07/01/2024 Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 12/04/2023 Date Data Arrived at EDR: 12/06/2023 Date Made Active in Reports: 12/12/2023

Number of Days to Update: 6

Source: Environmental Protection Agency

Telephone: (404) 562-8651 Last EDR Contact: 06/07/2024

Next Scheduled EDR Contact: 07/01/2024 Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/04/2023 Date Data Arrived at EDR: 12/06/2023 Date Made Active in Reports: 12/12/2023

Number of Days to Update: 6

Source: Environmental Protection Agency

Telephone: (404) 562-8651 Last EDR Contact: 06/07/2024

Next Scheduled EDR Contact: 07/01/2024 Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 12/04/2023 Date Data Arrived at EDR: 12/06/2023 Date Made Active in Reports: 12/12/2023

Number of Days to Update: 6

Source: Environmental Protection Agency

Telephone: (404) 562-8651 Last EDR Contact: 06/07/2024

Next Scheduled EDR Contact: 07/01/2024 Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation
and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database
includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste
as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate
less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/04/2023 Date Data Arrived at EDR: 12/06/2023 Date Made Active in Reports: 12/12/2023

Number of Days to Update: 6

Source: Environmental Protection Agency

Telephone: (404) 562-8651 Last EDR Contact: 06/07/2024

Next Scheduled EDR Contact: 07/01/2024 Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 02/14/2024 Date Data Arrived at EDR: 02/16/2024 Date Made Active in Reports: 04/04/2024

Number of Days to Update: 48

Source: Department of the Navy Telephone: 843-820-7326 Last EDR Contact: 05/17/2024

Next Scheduled EDR Contact: 08/19/2024 Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 02/13/2024 Date Data Arrived at EDR: 02/21/2024 Date Made Active in Reports: 04/04/2024

Number of Days to Update: 43

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 05/21/2024

Next Scheduled EDR Contact: 09/02/2024 Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 02/13/2024 Date Data Arrived at EDR: 02/21/2024 Date Made Active in Reports: 04/04/2024

Number of Days to Update: 43

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 05/21/2024

Next Scheduled EDR Contact: 09/02/2024

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous

substances.

Date of Government Version: 12/12/2023 Date Data Arrived at EDR: 12/13/2023 Date Made Active in Reports: 02/28/2024

Number of Days to Update: 77

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180 Last EDR Contact: 03/19/2024

Next Scheduled EDR Contact: 07/01/2024 Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

SHWS: State Leads List

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 11/27/2023 Date Data Arrived at EDR: 11/29/2023 Date Made Active in Reports: 12/05/2023

Number of Days to Update: 6

Source: Department of Environmental Protection

Telephone: 502-564-6716 Last EDR Contact: 06/03/2024

Next Scheduled EDR Contact: 09/02/2024 Data Release Frequency: Quarterly

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF: Solid Waste Facilities List

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 03/06/2024 Date Data Arrived at EDR: 03/07/2024 Date Made Active in Reports: 04/09/2024

Number of Days to Update: 33

Source: Department of Environmental Protection

Telephone: 502-564-6716 Last EDR Contact: 04/23/2024

Next Scheduled EDR Contact: 08/05/2024 Data Release Frequency: Semi-Annually

Lists of state and tribal leaking storage tanks

PSTEAF: Facility Ranking List

The Underground Storage Tank Branch (USTB) has ranked all PSTEAF reimbursable facilities requiring corrective action, in accordance with 401 KAR 42:290. Directive letters will be issued on the basis of facility ranking and available PSTEAF funding in sequential order as ranked. For example, Rank 2 facilities will be issued directives before Rank 3 facilities.

Date of Government Version: 12/01/2023 Date Data Arrived at EDR: 01/04/2024 Date Made Active in Reports: 03/25/2024

Number of Days to Update: 81

Source: Department of Environmental Protection

Telephone: 502-564-5981 Last EDR Contact: 04/04/2024

Next Scheduled EDR Contact: 07/15/2024 Data Release Frequency: Quarterly

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/25/2023 Date Data Arrived at EDR: 01/17/2024 Date Made Active in Reports: 03/13/2024

Number of Days to Update: 56

Source: EPA Region 8 Telephone: 303-312-6271 Last EDR Contact: 05/30/2024

Next Scheduled EDR Contact: 07/29/2024

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/25/2023 Date Data Arrived at EDR: 01/17/2024 Date Made Active in Reports: 03/13/2024

Number of Days to Update: 56

Source: Environmental Protection Agency

Telephone: 415-972-3372 Last EDR Contact: 05/30/2024

Next Scheduled EDR Contact: 07/29/2024 Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/25/2023 Date Data Arrived at EDR: 01/17/2024 Date Made Active in Reports: 03/13/2024

Number of Days to Update: 56

Source: EPA Region 1 Telephone: 617-918-1313 Last EDR Contact: 05/30/2024

Next Scheduled EDR Contact: 07/29/2024 Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 10/25/2023 Date Data Arrived at EDR: 01/17/2024 Date Made Active in Reports: 03/13/2024

Number of Days to Update: 56

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 05/30/2024

Next Scheduled EDR Contact: 07/29/2024 Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 10/25/2023 Date Data Arrived at EDR: 01/17/2024 Date Made Active in Reports: 03/13/2024

Number of Days to Update: 56

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 05/30/2024

Next Scheduled EDR Contact: 07/29/2024 Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 10/25/2023 Date Data Arrived at EDR: 01/17/2024 Date Made Active in Reports: 03/13/2024

Number of Days to Update: 56

Source: EPA Region 6 Telephone: 214-665-6597 Last EDR Contact: 05/30/2024

Next Scheduled EDR Contact: 07/29/2024 Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/04/2023 Date Data Arrived at EDR: 01/17/2024 Date Made Active in Reports: 03/13/2024

Number of Days to Update: 56

Source: EPA, Region 5 Telephone: 312-886-7439 Last EDR Contact: 05/30/2024

Next Scheduled EDR Contact: 07/29/2024 Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 10/25/2023 Date Data Arrived at EDR: 01/17/2024 Date Made Active in Reports: 03/13/2024

Number of Days to Update: 56

Source: EPA Region 4 Telephone: 404-562-8677 Last EDR Contact: 05/30/2024

Next Scheduled EDR Contact: 07/29/2024

SB193: SB193 Branch Site Inventory List

The inventory indicates facilities that have performed permanent closure activities at a regulated underground storage tank facility and have known soil and/or groundwater contamination.

Date of Government Version: 09/05/2006 Date Data Arrived at EDR: 09/13/2006 Date Made Active in Reports: 10/18/2006

Number of Days to Update: 35

Source: Department of Environmental Protection

Telephone: 502-564-5981 Last EDR Contact: 04/08/2016

Next Scheduled EDR Contact: 07/25/2016

Data Release Frequency: No Update Planned

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 11/16/2023 Date Data Arrived at EDR: 11/16/2023 Date Made Active in Reports: 02/13/2024

Number of Days to Update: 89

Source: FEMA

Telephone: 202-646-5797 Last EDR Contact: 03/19/2024

Next Scheduled EDR Contact: 07/15/2024

Data Release Frequency: Varies

UST: Underground Storage Tank Database

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 02/02/2024 Date Data Arrived at EDR: 02/21/2024 Date Made Active in Reports: 05/10/2024

Number of Days to Update: 79

Source: Department of Environmental Protection

Telephone: 502-564-5981 Last EDR Contact: 05/21/2024

Next Scheduled EDR Contact: 09/02/2024 Data Release Frequency: Quarterly

AST: Above Ground Storage Tanks

A listing of aboveground storage tank site locations.

Date of Government Version: 02/22/2024 Date Data Arrived at EDR: 02/28/2024 Date Made Active in Reports: 05/16/2024

Number of Days to Update: 78

Source: Office of State Fire Marshal Telephone: 502-564-4010 Last EDR Contact: 05/17/2024

Next Scheduled EDR Contact: 09/02/2024

Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 10/24/2023 Date Data Arrived at EDR: 01/17/2024 Date Made Active in Reports: 03/13/2024

Number of Days to Update: 56

Source: EPA Region 4 Telephone: 404-562-9424 Last EDR Contact: 04/17/2024

Next Scheduled EDR Contact: 07/29/2024 Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 10/24/2023 Date Data Arrived at EDR: 01/17/2024 Date Made Active in Reports: 03/13/2024

Number of Days to Update: 56

Source: EPA Region 9 Telephone: 415-972-3368 Last EDR Contact: 05/30/2024

Next Scheduled EDR Contact: 07/29/2024

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 10/24/2023 Date Data Arrived at EDR: 01/17/2024 Date Made Active in Reports: 03/13/2024

Number of Days to Update: 56

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 05/30/2024

Next Scheduled EDR Contact: 07/29/2024 Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/24/2023 Date Data Arrived at EDR: 01/17/2024 Date Made Active in Reports: 03/13/2024

Number of Days to Update: 56

Source: EPA, Region 1 Telephone: 617-918-1313 Last EDR Contact: 05/30/2024

Next Scheduled EDR Contact: 07/29/2024 Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 10/17/2023 Date Data Arrived at EDR: 01/17/2024 Date Made Active in Reports: 03/13/2024

Number of Days to Update: 56

Source: EPA Region 5 Telephone: 312-886-6136 Last EDR Contact: 04/17/2024

Next Scheduled EDR Contact: 07/29/2024

Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 10/24/2023 Date Data Arrived at EDR: 01/17/2024 Date Made Active in Reports: 03/13/2024

Number of Days to Update: 56

Source: EPA Region 6 Telephone: 214-665-7591 Last EDR Contact: 05/30/2024

Next Scheduled EDR Contact: 07/29/2024

Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 10/24/2023 Date Data Arrived at EDR: 01/17/2024 Date Made Active in Reports: 03/13/2024

Number of Days to Update: 56

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 05/30/2024

Next Scheduled EDR Contact: 07/29/2024 Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/24/2023 Date Data Arrived at EDR: 01/17/2024 Date Made Active in Reports: 03/13/2024

Number of Days to Update: 56

Source: EPA Region 8 Telephone: 303-312-6137 Last EDR Contact: 05/30/2024

Next Scheduled EDR Contact: 07/29/2024 Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

ENG CONTROLS: Engineering Controls Site Listing A listing of sites that use engineering controls.

Date of Government Version: 11/28/2023 Date Data Arrived at EDR: 11/29/2023 Date Made Active in Reports: 12/05/2023

Number of Days to Update: 6

Source: Department of Environmental Protection

Telephone: 502-564-6716 Last EDR Contact: 05/20/2024

Next Scheduled EDR Contact: 09/02/2024 Data Release Frequency: Varies

INST CONTROL: State Superfund Database

A list of closed sites in the State Superfund Database. Institutional controls would be in place at any site that uses Contained or Managed as a Closure Option.

Date of Government Version: 05/20/2024 Date Data Arrived at EDR: 05/22/2024 Date Made Active in Reports: 06/03/2024

Number of Days to Update: 12

Source: Department of Environmental Protection

Telephone: 502-564-6716 Last EDR Contact: 05/22/2024

Next Scheduled EDR Contact: 09/02/2024

Data Release Frequency: Varies

Lists of state and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015 Date Data Arrived at EDR: 09/29/2015 Date Made Active in Reports: 02/18/2016

Number of Days to Update: 142

Source: EPA, Region 1 Telephone: 617-918-1102 Last EDR Contact: 03/18/2024

Next Scheduled EDR Contact: 07/01/2024

Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Sites

Sites that have been accepted into the Voluntary Cleanup Program or have submitted an application.

Date of Government Version: 01/09/2024 Date Data Arrived at EDR: 01/11/2024 Date Made Active in Reports: 01/12/2024

Number of Days to Update: 1

Source: Department of Environmental Protection

Telephone: 502-564-6716 Last EDR Contact: 03/25/2024

Next Scheduled EDR Contact: 07/08/2024

Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008 Date Data Arrived at EDR: 04/22/2008 Date Made Active in Reports: 05/19/2008

Number of Days to Update: 27

Source: EPA, Region 7 Telephone: 913-551-7365 Last EDR Contact: 07/08/2021

Next Scheduled EDR Contact: 07/20/2009 Data Release Frequency: Varies

Lists of state and tribal brownfield sites

BROWNFIELDS: Kentucky Brownfield Inventory

The Kentucky Brownfield Program has created an inventory of brownfield sites in order to market the properties to those interested in brownfield redevelopment. The Kentucky Brownfield Program is working to promote the redevelopment of these sites by helping to remove barriers that prevent reuse, providing useful information to communities, developers and the public and encouraging a climate that fosters redevelopment of contaminated sites.

Date of Government Version: 02/06/2024 Date Data Arrived at EDR: 02/27/2024 Date Made Active in Reports: 05/16/2024

Number of Days to Update: 79

Source: Division of Compliance Assistance

Telephone: 502-564-0323 Last EDR Contact: 04/08/2024

Next Scheduled EDR Contact: 07/22/2024 Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 03/11/2024 Date Data Arrived at EDR: 03/12/2024 Date Made Active in Reports: 05/10/2024

Number of Days to Update: 59

Source: Environmental Protection Agency Telephone: 202-566-2777

Last EDR Contact: 06/11/2024

Next Scheduled EDR Contact: 09/23/2024 Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: Recycling Facilities

A listing of recycling facilities located in the state of Kentucky.

Date of Government Version: 09/11/2023 Date Data Arrived at EDR: 10/10/2023 Date Made Active in Reports: 01/03/2024

Number of Days to Update: 85

Source: Department of Environmental Protection

Telephone: 502-564-6716 Last EDR Contact: 04/10/2024

Next Scheduled EDR Contact: 07/22/2024 Data Release Frequency: Varies

HIST LF: Historical Landfills

This solid waste facility listing contains detail information that is not included in the landfill listing. A listing with detail information is no longer available by the Department of Environmental Protection.

Date of Government Version: 05/01/2003 Date Data Arrived at EDR: 03/30/2006 Date Made Active in Reports: 05/01/2006

Number of Days to Update: 32

Source: Department of Environmental Protection

Telephone: 502-564-6716 Last EDR Contact: 02/23/2009

Next Scheduled EDR Contact: 05/25/2009 Data Release Frequency: No Update Planned

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998 Date Data Arrived at EDR: 12/03/2007 Date Made Active in Reports: 01/24/2008

Number of Days to Update: 52

Source: Environmental Protection Agency

Telephone: 703-308-8245 Last EDR Contact: 04/22/2024

Next Scheduled EDR Contact: 08/05/2024 Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009 Date Data Arrived at EDR: 05/07/2009 Date Made Active in Reports: 09/21/2009

Number of Days to Update: 137

Source: EPA, Region 9 Telephone: 415-947-4219 Last EDR Contact: 04/15/2024

Next Scheduled EDR Contact: 07/29/2024 Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258

Subtitle D Criteria.

Date of Government Version: 06/30/1985 Date Data Arrived at EDR: 08/09/2004 Date Made Active in Reports: 09/17/2004

Number of Days to Update: 39

Source: Environmental Protection Agency

Telephone: 800-424-9346 Last EDR Contact: 06/09/2004 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014 Date Data Arrived at EDR: 08/06/2014 Date Made Active in Reports: 01/29/2015

Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service

Telephone: 301-443-1452 Last EDR Contact: 04/19/2024

Next Scheduled EDR Contact: 08/04/2024

Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 12/31/2023 Date Data Arrived at EDR: 02/21/2024 Date Made Active in Reports: 04/04/2024

Number of Days to Update: 43

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 05/21/2024

Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: No Update Planned

CDL: Clandestine Drub Lab Location Listing Clandestine drug lab site locations.

Date of Government Version: 11/21/2023 Date Data Arrived at EDR: 11/29/2023 Date Made Active in Reports: 12/05/2023

Number of Days to Update: 6

Source: Department of Environmental Protection

Telephone: 502-564-6716 Last EDR Contact: 06/03/2024

Next Scheduled EDR Contact: 09/02/2024

Data Release Frequency: Varies

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 12/31/2023 Date Data Arrived at EDR: 02/21/2024 Date Made Active in Reports: 04/04/2024

Number of Days to Update: 43

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 05/21/2024

Next Scheduled EDR Contact: 09/02/2024 Data Release Frequency: Quarterly

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/29/2024 Date Data Arrived at EDR: 03/01/2024 Date Made Active in Reports: 03/27/2024

Number of Days to Update: 26

Source: Environmental Protection Agency

Telephone: 202-564-6023 Last EDR Contact: 06/03/2024

Next Scheduled EDR Contact: 07/08/2024 Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/12/2023 Date Data Arrived at EDR: 12/13/2023 Date Made Active in Reports: 02/28/2024

Number of Days to Update: 77

Source: U.S. Department of Transportation

Telephone: 202-366-4555 Last EDR Contact: 03/20/2024

Next Scheduled EDR Contact: 07/01/2024 Data Release Frequency: Quarterly

SPILLS: State spills

A listing of spill and/or release related incidents.

Date of Government Version: 01/31/2024 Date Data Arrived at EDR: 02/01/2024 Date Made Active in Reports: 04/23/2024

Number of Days to Update: 82

Source: DEP, Emergency Response

Telephone: 502-564-2380 Last EDR Contact: 04/08/2024

Next Scheduled EDR Contact: 07/22/2024 Data Release Frequency: Varies

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 12/04/2023 Date Data Arrived at EDR: 12/06/2023 Date Made Active in Reports: 12/12/2023

Number of Days to Update: 6

Source: Environmental Protection Agency

Telephone: (404) 562-8651 Last EDR Contact: 06/07/2024

Next Scheduled EDR Contact: 07/01/2024 Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/30/2024 Date Data Arrived at EDR: 02/13/2024 Date Made Active in Reports: 04/04/2024

Number of Days to Update: 51

Source: U.S. Army Corps of Engineers

Telephone: 202-528-4285 Last EDR Contact: 05/14/2024

Next Scheduled EDR Contact: 08/26/2024 Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 06/07/2021 Date Data Arrived at EDR: 07/13/2021 Date Made Active in Reports: 03/09/2022

Number of Days to Update: 239

Source: USGS Telephone: 888-275-8747 Last EDR Contact: 04/11/2024

Next Scheduled EDR Contact: 07/22/2024

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018 Date Data Arrived at EDR: 04/11/2018 Date Made Active in Reports: 11/06/2019

Number of Days to Update: 574

Source: U.S. Geological Survey Telephone: 888-275-8747 Last EDR Contact: 04/04/2024

Next Scheduled EDR Contact: 07/15/2024

Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 07/30/2021 Date Data Arrived at EDR: 02/03/2023 Date Made Active in Reports: 02/10/2023

Number of Days to Update: 7

Source: Environmental Protection Agency

Telephone: 615-532-8599 Last EDR Contact: 05/09/2024

Next Scheduled EDR Contact: 08/19/2024 Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 12/11/2023 Date Data Arrived at EDR: 12/13/2023 Date Made Active in Reports: 02/28/2024

Number of Days to Update: 77

Source: Environmental Protection Agency

Telephone: 202-566-1917 Last EDR Contact: 03/13/2024

Next Scheduled EDR Contact: 07/01/2024 Data Release Frequency: Quarterly

EPA WATCH LIST: EPA Watch List

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013 Date Data Arrived at EDR: 03/21/2014 Date Made Active in Reports: 06/17/2014

Number of Days to Update: 88

Source: Environmental Protection Agency

Telephone: 617-520-3000 Last EDR Contact: 04/29/2024

Next Scheduled EDR Contact: 08/12/2024 Data Release Frequency: No Update Planned

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017 Date Data Arrived at EDR: 05/08/2018 Date Made Active in Reports: 07/20/2018

Number of Days to Update: 73

Source: Environmental Protection Agency

Telephone: 703-308-4044 Last EDR Contact: 05/02/2024

Next Scheduled EDR Contact: 08/12/2024

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant

Date of Government Version: 12/31/2020 Date Data Arrived at EDR: 06/14/2022 Date Made Active in Reports: 03/24/2023

Number of Days to Update: 283

Source: EPA

Telephone: 202-260-5521 Last EDR Contact: 03/14/2024

Next Scheduled EDR Contact: 06/24/2024 Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2022 Date Data Arrived at EDR: 11/13/2023 Date Made Active in Reports: 02/07/2024

Number of Days to Update: 86

Source: EPA

Telephone: 202-566-0250 Last EDR Contact: 05/16/2024

Next Scheduled EDR Contact: 08/26/2024 Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 01/16/2024 Date Data Arrived at EDR: 01/17/2024 Date Made Active in Reports: 03/27/2024

Number of Days to Update: 70

Source: EPA

Telephone: 202-564-4203 Last EDR Contact: 04/17/2024

Next Scheduled EDR Contact: 07/29/2024 Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 02/29/2024 Date Data Arrived at EDR: 03/01/2024 Date Made Active in Reports: 03/27/2024

Number of Days to Update: 26

Source: EPA

Telephone: 703-416-0223 Last EDR Contact: 06/03/2024

Next Scheduled EDR Contact: 09/09/2024 Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 02/01/2024 Date Data Arrived at EDR: 02/08/2024 Date Made Active in Reports: 04/04/2024

Number of Days to Update: 56

Source: Environmental Protection Agency

Telephone: 202-564-8600 Last EDR Contact: 04/15/2024

Next Scheduled EDR Contact: 07/29/2024 Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995 Date Data Arrived at EDR: 07/03/1995 Date Made Active in Reports: 08/07/1995

Number of Days to Update: 35

Source: EPA

Telephone: 202-564-4104 Last EDR Contact: 06/02/2008

Next Scheduled EDR Contact: 09/01/2008 Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 09/19/2023 Date Data Arrived at EDR: 10/03/2023 Date Made Active in Reports: 10/19/2023

Number of Days to Update: 16

Source: EPA

Telephone: 202-564-6023 Last EDR Contact: 06/03/2024

Next Scheduled EDR Contact: 08/12/2024 Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 03/20/2023 Date Data Arrived at EDR: 04/04/2023 Date Made Active in Reports: 06/09/2023

Number of Days to Update: 66

Source: EPA

Telephone: 202-566-0500 Last EDR Contact: 04/04/2024

Next Scheduled EDR Contact: 07/15/2024 Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016 Date Data Arrived at EDR: 11/23/2016 Date Made Active in Reports: 02/10/2017

Number of Days to Update: 79

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 03/28/2024

Next Scheduled EDR Contact: 07/15/2024 Data Release Frequency: Quarterly

FTTS: FIFRA/TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009 Date Data Arrived at EDR: 04/16/2009 Date Made Active in Reports: 05/11/2009 Number of Days to Update: 25

Telephone: 202-566-1667 Last EDR Contact: 08/18/2017

Next Scheduled EDR Contact: 12/04/2017 Data Release Frequency: No Update Planned

Source: EPA/Office of Prevention, Pesticides and Toxic Substances

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009 Date Data Arrived at EDR: 04/16/2009 Date Made Active in Reports: 05/11/2009

Telephone: 202-566-1667 Last EDR Contact: 08/18/2017

Number of Days to Update: 25

Next Scheduled EDR Contact: 12/04/2017 Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Source: EPA

Date of Government Version: 01/02/2024 Date Data Arrived at EDR: 01/16/2024 Date Made Active in Reports: 03/13/2024 Source: Nuclear Regulatory Commission

Telephone: 301-415-0717 Last EDR Contact: 04/15/2024

Number of Days to Update: 57

Next Scheduled EDR Contact: 07/29/2024 Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2022 Date Data Arrived at EDR: 11/27/2023 Date Made Active in Reports: 02/22/2024 Source: Department of Energy Telephone: 202-586-8719 Last EDR Contact: 05/28/2024

Number of Days to Update: 87

Number of Days to Update: 251

Next Scheduled EDR Contact: 09/09/2024 Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017 Date Data Arrived at EDR: 03/05/2019 Date Made Active in Reports: 11/11/2019

Source: Environmental Protection Agency

Telephone: N/A

Last EDR Contact: 05/28/2024

Next Scheduled EDR Contact: 09/09/2024 Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019 Date Data Arrived at EDR: 11/06/2019 Date Made Active in Reports: 02/10/2020 Number of Days to Update: 96

Source: Environmental Protection Agency

Telephone: 202-566-0517 Last EDR Contact: 05/02/2024

Next Scheduled EDR Contact: 08/12/2024 Data Release Frequency: Varies

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019 Date Data Arrived at EDR: 07/01/2019 Date Made Active in Reports: 09/23/2019

Number of Days to Update: 84

Source: Environmental Protection Agency

Telephone: 202-343-9775 Last EDR Contact: 03/25/2024

Next Scheduled EDR Contact: 07/08/2024 Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007 Date Made Active in Reports: 04/10/2007

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/17/2007

.ast EDR Contact: 12/17/2007 Jext Scheduled EDR Contact: 03/1

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007 Date Made Active in Reports: 04/10/2007

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/17/2008

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020 Date Data Arrived at EDR: 01/28/2020 Date Made Active in Reports: 04/17/2020

Number of Days to Update: 80

Source: Department of Transporation, Office of Pipeline Safety

Telephone: 202-366-4595 Last EDR Contact: 04/23/2024

Next Scheduled EDR Contact: 08/05/2024 Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2023 Date Data Arrived at EDR: 01/11/2024 Date Made Active in Reports: 01/16/2024

Number of Days to Update: 5

Source: Department of Justice, Consent Decree Library

Telephone: Varies

Last EDR Contact: 03/28/2024

Next Scheduled EDR Contact: 07/15/2024 Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2021 Date Data Arrived at EDR: 03/09/2023 Date Made Active in Reports: 03/20/2023

Number of Days to Update: 11

Source: EPA/NTIS Telephone: 800-424-9346 Last EDR Contact: 06/07/2024

Next Scheduled EDR Contact: 07/01/2024 Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater

than 640 acres.

Date of Government Version: 12/31/2014 Date Data Arrived at EDR: 07/14/2015 Date Made Active in Reports: 01/10/2017

Number of Days to Update: 546

Source: USGS

Telephone: 202-208-3710 Last EDR Contact: 04/04/2024

Next Scheduled EDR Contact: 07/15/2024 Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 03/03/2023 Date Data Arrived at EDR: 03/03/2023 Date Made Active in Reports: 06/09/2023

Number of Days to Update: 98

Source: Department of Energy Telephone: 202-586-3559 Last EDR Contact: 04/26/2024

Next Scheduled EDR Contact: 08/12/2024

Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019 Date Data Arrived at EDR: 11/15/2019 Date Made Active in Reports: 01/28/2020

Number of Days to Update: 74

Source: Department of Energy Telephone: 505-845-0011 Last EDR Contact: 05/16/2024

Next Scheduled EDR Contact: 08/26/2024

Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 02/29/2024 Date Data Arrived at EDR: 03/01/2024 Date Made Active in Reports: 03/27/2024

Number of Days to Update: 26

Source: Environmental Protection Agency

Telephone: 703-603-8787 Last EDR Contact: 06/03/2024

Next Scheduled EDR Contact: 07/08/2024

Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001 Date Data Arrived at EDR: 10/27/2010 Date Made Active in Reports: 12/02/2010

Number of Days to Update: 36

Source: American Journal of Public Health

Telephone: 703-305-6451 Last EDR Contact: 12/02/2009 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016 Date Data Arrived at EDR: 10/26/2016 Date Made Active in Reports: 02/03/2017

Number of Days to Update: 100

US AIRS MINOR: Air Facility System Data A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017

Number of Days to Update: 100

Source: EPA

Telephone: 202-564-2496 Last EDR Contact: 09/26/2017

Next Scheduled EDR Contact: 01/08/2018 Data Release Frequency: Annually

Source: EPA

Telephone: 202-564-2496 Last EDR Contact: 09/26/2017

Next Scheduled EDR Contact: 01/08/2018 Data Release Frequency: Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 01/02/2024 Date Data Arrived at EDR: 01/03/2024 Date Made Active in Reports: 01/04/2024

Number of Days to Update: 1

Source: DOL, Mine Safety & Health Admi

Telephone: 202-693-9424 Last EDR Contact: 04/04/2024

Next Scheduled EDR Contact: 09/02/2024 Data Release Frequency: Quarterly

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/05/2024 Date Data Arrived at EDR: 02/21/2024 Date Made Active in Reports: 04/04/2024

Number of Days to Update: 43

Source: Department of Labor, Mine Safety and Health Administration

Telephone: 303-231-5959 Last EDR Contact: 05/21/2024

Next Scheduled EDR Contact: 09/02/2024 Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 01/07/2022 Date Data Arrived at EDR: 02/24/2023 Date Made Active in Reports: 05/17/2023

Number of Days to Update: 82

Source: USGS

Telephone: 703-648-7709 Last EDR Contact: 05/22/2024

Next Scheduled EDR Contact: 09/02/2024 Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011 Date Data Arrived at EDR: 06/08/2011 Date Made Active in Reports: 09/13/2011

Number of Days to Update: 97

Source: USGS

Telephone: 703-648-7709 Last EDR Contact: 05/23/2024

Next Scheduled EDR Contact: 09/02/2024

Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 03/18/2024 Date Data Arrived at EDR: 03/19/2024 Date Made Active in Reports: 06/06/2024

Number of Days to Update: 79

MINES MRDS: Mineral Resources Data System

Mineral Resources Data System

Date of Government Version: 08/23/2022 Date Data Arrived at EDR: 11/22/2022 Date Made Active in Reports: 02/28/2023

Number of Days to Update: 98

Source: Department of Interior Telephone: 202-208-2609 Last EDR Contact: 05/30/2024

Next Scheduled EDR Contact: 09/16/2024 Data Release Frequency: Quarterly

Source: USGS

Telephone: 703-648-6533 Last EDR Contact: 05/22/2024

Next Scheduled EDR Contact: 09/02/2024 Data Release Frequency: Varies

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 02/09/2024 Date Data Arrived at EDR: 02/27/2024 Date Made Active in Reports: 05/24/2024

Number of Days to Update: 87

Source: EPA

Telephone: (404) 562-9900 Last EDR Contact: 05/29/2024

Next Scheduled EDR Contact: 09/09/2024 Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 09/06/2023 Date Data Arrived at EDR: 09/13/2023 Date Made Active in Reports: 12/11/2023

Number of Days to Update: 89

Source: Department of Defense Telephone: 703-704-1564 Last EDR Contact: 04/08/2024

Next Scheduled EDR Contact: 07/22/2024 Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021 Date Data Arrived at EDR: 05/21/2021 Date Made Active in Reports: 08/11/2021

Number of Days to Update: 82

Source: Environmental Protection Agency

Telephone: 202-564-0527 Last EDR Contact: 05/17/2024

Next Scheduled EDR Contact: 09/02/2024 Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 12/17/2023 Date Data Arrived at EDR: 12/28/2023 Date Made Active in Reports: 03/04/2024

Number of Days to Update: 67

Source: Environmental Protection Agency

Telephone: 202-564-2280 Last EDR Contact: 04/04/2024

Next Scheduled EDR Contact: 07/15/2024 Data Release Frequency: Quarterly

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels

Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 02/12/2024 Date Data Arrived at EDR: 02/13/2024 Date Made Active in Reports: 04/04/2024

Number of Days to Update: 51

Source: EPA

Telephone: 800-385-6164 Last EDR Contact: 05/14/2024

Next Scheduled EDR Contact: 08/26/2024 Data Release Frequency: Quarterly

PFAS NPL: Superfund Sites with PFAS Detections Information

EPA's Office of Land and Emergency Management and EPA Regional Offices maintain data describing what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment.

Date of Government Version: 12/28/2023 Date Data Arrived at EDR: 12/28/2023 Date Made Active in Reports: 03/04/2024

Number of Days to Update: 67

Source: Environmental Protection Agency

Telephone: 703-603-8895 Last EDR Contact: 04/05/2024

Next Scheduled EDR Contact: 07/15/2024 Data Release Frequency: Varies

PFAS FEDERAL SITES: Federal Sites PFAS Information

Several federal entities, such as the federal Superfund program, Department of Defense, National Aeronautics and Space Administration, Department of Transportation, and Department of Energy provided information for sites with known or suspected detections at federal facilities.

Date of Government Version: 12/28/2023 Date Data Arrived at EDR: 12/28/2023 Date Made Active in Reports: 03/04/2024

Number of Days to Update: 67

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 04/05/2024

Next Scheduled EDR Contact: 07/15/2024 Data Release Frequency: Varies

PFAS TRIS: List of PFAS Added to the TRI

Section 7321 of the National Defense Authorization Act for Fiscal Year 2020 (NDAA) immediately added certain per- and polyfluoroalkyl substances (PFAS) to the list of chemicals covered by the Toxics Release Inventory (TRI) under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) and provided a framework for additional PFAS to be added to TRI on an annual basis.

Date of Government Version: 12/28/2023 Date Data Arrived at EDR: 12/28/2023 Date Made Active in Reports: 01/04/2024

Number of Days to Update: 7

Source: Environmental Protection Agency

Telephone: 202-566-0250 Last EDR Contact: 04/05/2024

Next Scheduled EDR Contact: 07/15/2024 Data Release Frequency: Varies

PFAS TSCA: PFAS Manufacture and Imports Information

EPA issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. EPA publishes non-confidential business information (non-CBI) and includes descriptive information about each site, corporate parent, production volume, other manufacturing information, and processing and use information.

Date of Government Version: 12/28/2023 Date Data Arrived at EDR: 12/28/2023 Date Made Active in Reports: 01/04/2024

Number of Days to Update: 7

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 04/05/2024

Next Scheduled EDR Contact: 07/15/2024 Data Release Frequency: Varies

PFAS RCRA MANIFEST: PFAS Transfers Identified In the RCRA Database Listing

To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: PFAS, PFOA, PFOS, PERFL, AFFF, GENX, GEN-X (plus the VT waste codes). These keywords were searched for in the following text fields: Manifest handling instructions (MANIFEST_HANDLING_INSTR), Non-hazardous waste description (NON_HAZ_WASTE_DESCRIPTION), DOT printed information (DOT_PRINTED_INFORMATION), Waste line handling instructions (WASTE_LINE_HANDLING_INSTR), Waste residue comments (WASTE_RESIDUE_COMMENTS).

Date of Government Version: 12/28/2023 Date Data Arrived at EDR: 12/28/2023 Date Made Active in Reports: 01/04/2024

Number of Days to Update: 7

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 04/05/2024

Next Scheduled EDR Contact: 07/15/2024 Data Release Frequency: Varies

PFAS ATSDR: PFAS Contamination Site Location Listing

PFAS contamination site locations from the Department of Health & Human Services, Center for Disease Control & Prevention. ATSDR is involved at a number of PFAS-related sites, either directly or through assisting state and federal partners. As of now, most sites are related to drinking water contamination connected with PFAS production facilities or fire training areas where aqueous film-forming firefighting foam (AFFF) was regularly used.

Date of Government Version: 06/24/2020 Date Data Arrived at EDR: 03/17/2021 Date Made Active in Reports: 11/08/2022

Number of Days to Update: 601

Source: Department of Health & Human Services

Telephone: 202-741-5770 Last EDR Contact: 04/22/2024

Last EDR Contact: 04/22/2024

Next Scheduled EDR Contact: 08/05/2024 Data Release Frequency: Varies

PFAS WQP: Ambient Environmental Sampling for PFAS

The Water Quality Portal (WQP) is a part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations and individuals submit project details and sampling results to this public repository. The information is commonly used for research and assessments of environmental quality.

Date of Government Version: 12/28/2023 Date Data Arrived at EDR: 12/28/2023 Date Made Active in Reports: 03/04/2024

Number of Days to Update: 67

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 04/05/2024

Next Scheduled EDR Contact: 07/15/2024 Data Release Frequency: Varies

PFAS NPDES: Clean Water Act Discharge Monitoring Information

Any discharger of pollutants to waters of the United States from a point source must have a National Pollutant Discharge Elimination System (NPDES) permit. The process for obtaining limits involves the regulated entity (permittee) disclosing releases in a NPDES permit application and the permitting authority (typically the state but sometimes EPA) deciding whether to require monitoring or monitoring with limits. Caveats and Limitations: Less than half of states have required PFAS monitoring for at least one of their permittees and fewer states have established PFAS effluent limits for permittees. New rulemakings have been initiated that may increase the number of facilities monitoring for PFAS in the future.

Date of Government Version: 12/28/2023 Date Data Arrived at EDR: 12/28/2023 Date Made Active in Reports: 03/04/2024

Number of Days to Update: 67

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 04/05/2024

Next Scheduled EDR Contact: 07/15/2024 Data Release Frequency: Varies

PFAS ECHO: Facilities in Industries that May Be Handling PFAS Listing

Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

Date of Government Version: 12/28/2023 Date Data Arrived at EDR: 12/28/2023 Date Made Active in Reports: 03/04/2024

Number of Days to Update: 67

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 04/05/2024

Next Scheduled EDR Contact: 07/15/2024

Data Release Frequency: Varies

PFAS ECHO FIRE TRAIN: Facilities in Industries that May Be Handling PFAS Listing

A list of fire training sites was added to the Industry Sectors dataset using a keyword search on the permitted facilitys name to identify sites where fire-fighting foam may have been used in training exercises. Additionally, you may view an example spreadsheet of the subset of fire training facility data, as well as the keywords used in selecting or deselecting a facility for the subset. as well as the keywords used in selecting or deselecting a facility for the subset. These keywords were tested to maximize accuracy in selecting facilities that may use fire-fighting foam in training exercises, however, due to the lack of a required reporting field in the data systems for designating fire training sites, this methodology may not identify all fire training sites or may potentially misidentify them.

Date of Government Version: 12/28/2023 Date Data Arrived at EDR: 12/28/2023 Date Made Active in Reports: 03/04/2024

Number of Days to Update: 67

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 04/05/2024

Next Scheduled EDR Contact: 07/15/2024 Data Release Frequency: Varies

PFAS PT 139 AIRPORT: All Certified Part 139 Airports PFAS Information Listing

Since July 1, 2006, all certified part 139 airports are required to have fire-fighting foam onsite that meet military specifications (MIL-F-24385) (14 CFR 139.317). To date, these military specification fire-fighting foams are fluorinated and have been historically used for training and extinguishing. The 2018 FAA Reauthorization Act has a provision stating that no later than October 2021, FAA shall not require the use of fluorinated AFFF. This provision does not prohibit the use of fluorinated AFFF at Part 139 civilian airports; it only prohibits FAA from mandating its use. The Federal Aviation Administration?s document AC 150/5210-6D - Aircraft Fire Extinguishing Agents provides guidance on Aircraft Fire Extinguishing Agents, which includes Aqueous Film Forming Foam (AFFF).

Date of Government Version: 12/28/2023 Date Data Arrived at EDR: 12/28/2023 Date Made Active in Reports: 03/04/2024

Number of Days to Update: 67

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 04/05/2024

Next Scheduled EDR Contact: 07/15/2024 Data Release Frequency: Varies

AQUEOUS FOAM NRC: Aqueous Foam Related Incidents Listing

The National Response Center (NRC) serves as an emergency call center that fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. The spreadsheets posted to the NRC website contain initial incident data that has not been validated or investigated by a federal/state response agency. Response center calls from 1990 to the most recent complete calendar year where there was indication of Aqueous Film Forming Foam (AFFF) usage are included in this dataset. NRC calls may reference AFFF usage in the ?Material Involved? or ?Incident Description? fields.

Date of Government Version: 12/28/2023 Date Data Arrived at EDR: 12/28/2023 Date Made Active in Reports: 03/04/2024 Number of Days to Update: 67 Source: Environmental Protection Agency Telephone: 202-267-2675 Last EDR Contact: 04/05/2024

Next Scheduled EDR Contact: 07/15/2024 Data Release Frequency: Varies

PCS ENF: Enforcement data

No description is available for this data

Date of Government Version: 12/31/2014 Date Data Arrived at EDR: 02/05/2015 Date Made Active in Reports: 03/06/2015

Number of Days to Update: 29

Source: EPA

Telephone: 202-564-2497 Last EDR Contact: 03/29/2024

Next Scheduled EDR Contact: 07/15/2024 Data Release Frequency: Varies

PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 12/16/2016 Date Data Arrived at EDR: 01/06/2017 Date Made Active in Reports: 03/10/2017

Number of Days to Update: 63

Source: EPA, Office of Water Telephone: 202-564-2496 Last EDR Contact: 03/29/2024

Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: No Update Planned

BIOSOLIDS: ICIS-NPDES Biosolids Facility Data

The data reflects compliance information about facilities in the biosolids program.

Date of Government Version: 12/31/2023 Date Data Arrived at EDR: 01/03/2024 Date Made Active in Reports: 01/16/2024

Number of Days to Update: 13

Source: Environmental Protection Agency

Telephone: 202-564-4700 Last EDR Contact: 04/16/2024

Next Scheduled EDR Contact: 07/29/2024

Data Release Frequency: Varies

PFAS: PFAS Detections Site Listing

The presence of PFAS contamination at locations, including water treatment plants.

Date of Government Version: 03/06/2023 Date Data Arrived at EDR: 03/09/2023 Date Made Active in Reports: 05/26/2023

Number of Days to Update: 78

Source: Department of Environmental Protection

Telephone: 502-564-3410 Last EDR Contact: 05/31/2024

Next Scheduled EDR Contact: 09/16/2024

Data Release Frequency: Varies

AIRS: Permitted Airs Facility Listing
A listing of permitted Airs facilities.

Date of Government Version: 02/14/2024 Date Data Arrived at EDR: 02/15/2024 Date Made Active in Reports: 05/06/2024

Number of Days to Update: 81

Source: Department of Environmental Protection

Telephone: 502-573-3382 Last EDR Contact: 04/22/2024

Next Scheduled EDR Contact: 08/05/2024 Data Release Frequency: Semi-Annually

ASBESTOS: Asbestos Notification Listing Asbestos sites

> Date of Government Version: 01/25/2024 Date Data Arrived at EDR: 01/26/2024 Date Made Active in Reports: 04/16/2024

Number of Days to Update: 81

Source: Department of Environmental Protection

Telephone: 502-782-6780 Last EDR Contact: 04/15/2024

Next Scheduled EDR Contact: 09/09/2024

Data Release Frequency: Varies

COAL ASH: Coal Ash Disposal Sites
A listing of coal ash pond site locations.

Date of Government Version: 12/15/2023 Date Data Arrived at EDR: 01/23/2024 Date Made Active in Reports: 04/09/2024

Number of Days to Update: 77

Source: Department of Environmental Protection

Telephone: 502-564-6716 Last EDR Contact: 04/23/2024

Next Scheduled EDR Contact: 08/05/2024
Data Release Frequency: No Update Planned

DRYCLEANERS: Drycleaner Listing
A listing of drycleaner facility locations.

Date of Government Version: 02/14/2024 Date Data Arrived at EDR: 02/15/2024 Date Made Active in Reports: 05/06/2024

Number of Days to Update: 81

Source: Department of Environmental Protection

Telephone: 502-573-3382 Last EDR Contact: 04/22/2024

Next Scheduled EDR Contact: 08/05/2024 Data Release Frequency: Semi-Annually

FIN ASSURANCE 1: Financial Assurance Information Listing

A listing of financial assurance information.

Date of Government Version: 02/14/2024 Date Data Arrived at EDR: 02/14/2024 Date Made Active in Reports: 05/06/2024

Number of Days to Update: 82

Source: Department of Environmental Protection

Telephone: 502-564-6716 Last EDR Contact: 04/22/2024

Next Scheduled EDR Contact: 08/05/2024 Data Release Frequency: Varies

FIN ASSURANCE 2: Financial Assurance Information Listing

Financial Assurance information for underground storage tank facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 05/14/2014 Date Data Arrived at EDR: 06/06/2014 Date Made Active in Reports: 06/24/2014

Number of Days to Update: 18

Source: Department of Environmental Protection

Telephone: 502-564-5981 Last EDR Contact: 04/22/2024

Next Scheduled EDR Contact: 08/05/2024

Data Release Frequency: Varies

FIN ASSURANCE 3: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 02/13/2024 Date Data Arrived at EDR: 02/14/2024 Date Made Active in Reports: 05/06/2024

Number of Days to Update: 82

Source: Department of Environmental Protection

Telephone: 502-564-6716 Last EDR Contact: 04/22/2024

Next Scheduled EDR Contact: 08/05/2024 Data Release Frequency: Varies

LEAD: Environmental Lead Program Report Tracking Database

Lead Report Tracking Database

Date of Government Version: 01/27/2017 Date Data Arrived at EDR: 02/02/2017 Date Made Active in Reports: 08/21/2017

Number of Days to Update: 200

Source: Department of Public Health

Telephone: 502-564-4537 Last EDR Contact: 04/26/2024

Next Scheduled EDR Contact: 08/12/2024

Data Release Frequency: Varies

NPDES: Permitted Facility Listing

A listing of permitted wastewater facilities.

Date of Government Version: 02/13/2024 Date Data Arrived at EDR: 02/14/2024 Date Made Active in Reports: 05/06/2024

Number of Days to Update: 82

Source: Department of Environmental Protection

Telephone: 502-564-3410 Last EDR Contact: 04/29/2024

Next Scheduled EDR Contact: 08/12/2024 Data Release Frequency: Semi-Annually

UIC: UIC Information

A listing of wells identified as underground injection wells, in the Kentucky Oil & Gas Wells data base.

Date of Government Version: 09/28/2023 Date Data Arrived at EDR: 10/10/2023 Date Made Active in Reports: 01/02/2024

Number of Days to Update: 84

Source: Kentucky Geological Survey

Telephone: 859-323-0544 Last EDR Contact: 04/10/2024

Next Scheduled EDR Contact: 07/22/2024 Data Release Frequency: Quarterly

UST FINDER RELEASE: UST Finder Releases Database

US EPA's UST Finder data is a national composite of leaking underground storage tanks. This data contains information about, and locations of, leaking underground storage tanks. Data was collected from state sources and standardized into a national profile by EPA's Office of Underground Storage Tanks, Office of Research and Development, and the Association of State and Territorial Solid Waste Management Officials.

Date of Government Version: 06/08/2023 Date Data Arrived at EDR: 10/31/2023 Date Made Active in Reports: 01/18/2024

Number of Days to Update: 79

Source: Environmental Protecton Agency

Telephone: 202-564-0394 Last EDR Contact: 05/08/2024

Next Scheduled EDR Contact: 08/19/2024 Data Release Frequency: Semi-Annually

PFAS PROJECT: NORTHEASTERN UNIVERSITY PFAS PROJECT

The PFAS Contamination Site Tracker records qualitative and quantitative data from each site in a chart, specifically examining discovery, contamination levels, government response, litigation, health impacts, media coverage, and community characteristics. All data presented in the chart were extracted from government websites, such as state health departments or the Environmental Protection Agency, and news articles.

Date of Government Version: 05/19/2023 Date Data Arrived at EDR: 04/05/2024 Date Made Active in Reports: 06/06/2024

Number of Days to Update: 62

Source: Social Science Environmental Health Research Institute

Telephone: N/A

Last EDR Contact: 06/04/2024

Next Scheduled EDR Contact: 09/16/2024

Data Release Frequency: Varies

E MANIFEST: Hazardous Waste Electronic Manifest System

EPA established a national system for tracking hazardous waste shipments electronically. This system, known as ?e-Manifest,? will modernize the nation?s cradle-to-grave hazardous waste tracking process while saving valuable time, resources, and dollars for industry and states.

Date of Government Version: 07/24/2023 Date Data Arrived at EDR: 04/18/2024 Date Made Active in Reports: 06/06/2024

Number of Days to Update: 49

Source: Environmental Protection Agency

Telephone: 833-501-6826 Last EDR Contact: 06/07/2024

Next Scheduled EDR Contact: 07/01/2024 Data Release Frequency: Varies

UST FINDER: UST Finder Database

EPA developed UST Finder, a web map application containing a comprehensive, state-sourced national map of underground storage tank (UST) and leaking UST (LUST) data. It provides the attributes and locations of active and closed USTs, UST facilities, and LUST sites from states and from Tribal lands and US territories . UST Finder contains information about proximity of UST facilities and LUST sites to: surface and groundwater public drinking water protection areas; estimated number of private domestic wells and number of people living nearby; and flooding and wildfires.

Date of Government Version: 06/08/2023 Date Data Arrived at EDR: 10/04/2023 Date Made Active in Reports: 01/18/2024

Number of Days to Update: 106

Source: Environmental Protection Agency

Telephone: 202-564-0394 Last EDR Contact: 05/08/2024

Next Scheduled EDR Contact: 08/19/2024

Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A Number of Days to Update: N/A

Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A

Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A

Number of Days to Update: N/A

Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A

Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A Source: EDR, Inc.
Date Data Arrived at EDR: N/A Telephone: N/A
Date Made Active in Reports: N/A Last EDR Contact: N/A

Number of Days to Update: N/A Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/03/2014
Number of Days to Update: 186

Telephone: N/A Last EDR Contact: 06/01/2012 Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/15/2014

Number of Days to Update: 198

Source: Department of Environmental Protection

Source: Department of Environmental Protection

Telephone: N/A

Last EDR Contact: 06/01/2012 Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 02/05/2024 Date Data Arrived at EDR: 02/06/2024 Date Made Active in Reports: 04/25/2024

Number of Days to Update: 79

Source: Department of Energy & Environmental Protection

Telephone: 860-424-3375 Last EDR Contact: 05/07/2024

Next Scheduled EDR Contact: 08/19/2024 Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2018 Date Data Arrived at EDR: 04/10/2019 Date Made Active in Reports: 05/16/2019

Number of Days to Update: 36

Source: Department of Environmental Protection

Telephone: N/A

Last EDR Contact: 03/29/2024

Next Scheduled EDR Contact: 07/15/2024 Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD

facility.

Date of Government Version: 12/31/2019 Date Data Arrived at EDR: 11/30/2023 Date Made Active in Reports: 12/01/2023

Number of Days to Update: 1

Source: Department of Environmental Conservation

Telephone: 518-402-8651 Last EDR Contact: 04/25/2024

Next Scheduled EDR Contact: 08/05/2024 Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018 Date Data Arrived at EDR: 07/19/2019 Date Made Active in Reports: 09/10/2019

Number of Days to Update: 53

Source: Department of Environmental Protection

Telephone: 717-783-8990 Last EDR Contact: 04/08/2024

Next Scheduled EDR Contact: 07/22/2024 Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2020 Date Data Arrived at EDR: 11/30/2021 Date Made Active in Reports: 02/18/2022

Number of Days to Update: 80

Source: Department of Environmental Management

Telephone: 401-222-2797 Last EDR Contact: 05/13/2024

Next Scheduled EDR Contact: 08/26/2024 Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018 Date Data Arrived at EDR: 06/19/2019 Date Made Active in Reports: 09/03/2019

Number of Days to Update: 76

Source: Department of Natural Resources

Telephone: N/A

Last EDR Contact: 06/03/2024

Next Scheduled EDR Contact: 09/16/2024 Data Release Frequency: Annually

Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media

Electric Power Transmission Line Data

Source: Endeavor Business Media

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services,

a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary

and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Certified Child Care Homes Source: Cabinet for Families & Children

Telephone: 502-564-7130

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: Environmental & Public Protection Cabinet

Telephone: 502-564-6736

Current USGS 7.5 Minute Topographic Map Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK®-PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

HARPER VILLAGE 445 BROWNING STREET MADISONVILLE, KY 42431

TARGET PROPERTY COORDINATES

Latitude (North): 37.336643 - 37° 20' 11.91" Longitude (West): 87.513446 - 87° 30' 48.41"

Universal Tranverse Mercator: Zone 16 UTM X (Meters): 454516.5 UTM Y (Meters): 4132138.0

Elevation: 432 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map: 50023974 MADISONVILLE WEST, KY

Version Date: 2022

East Map: 50024137 MADISONVILLE EAST, KY

Version Date: 2022

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

- 1. Groundwater flow direction, and
- 2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

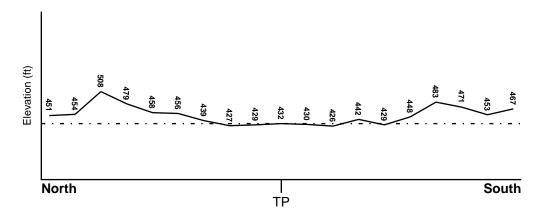
TOPOGRAPHIC INFORMATION

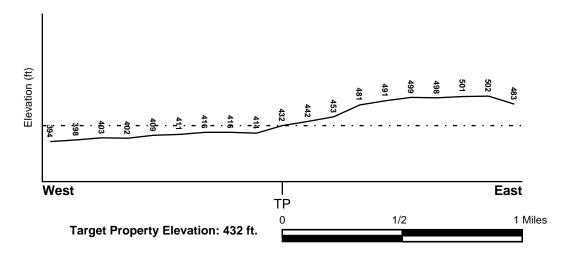
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General West

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property FEMA Source Type

21107C0234D FEMA FIRM Flood data

Additional Panels in search area: FEMA Source Type

21107C0232D FEMA FIRM Flood data 21107C0251D FEMA FIRM Flood data 21107C0233D FEMA FIRM Flood data 21107C0253D FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property Data Coverage

MADISONVILLE WEST YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

 MAP ID
 FROM TP
 GROUNDWATER FLOW

 Not Reported
 GROUNDWATER FLOW

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

GEOLOGIC AGE IDENTIFICATION

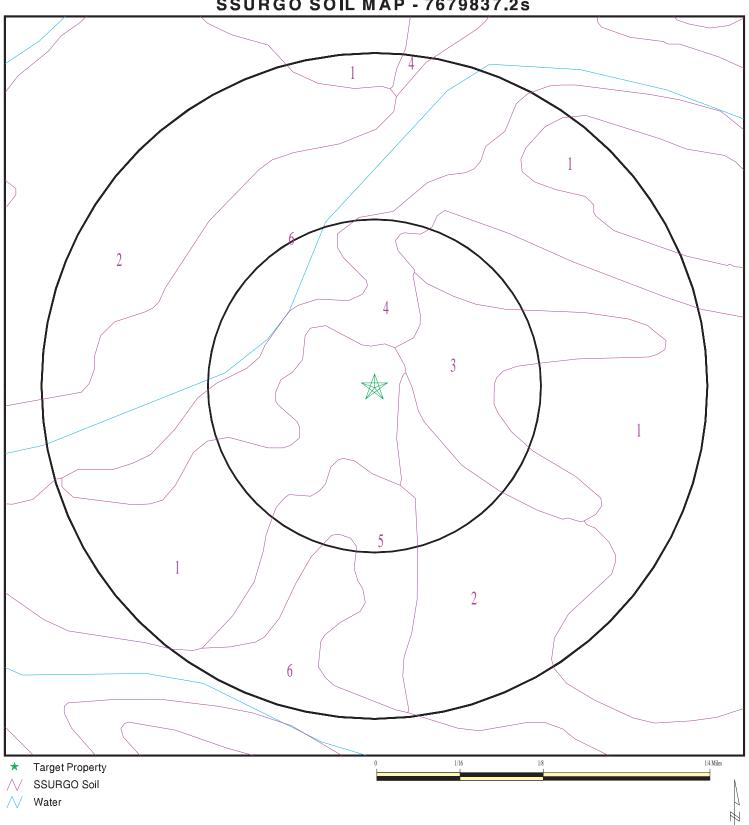
Era: Paleozoic Category: Stratifed Sequence

System: Pennsylvanian
Series: Missourian Series

Code: PP3 (decoded above as Era, System & Series)

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 7679837.2s



SITE NAME: Harper Village ADDRESS: 445 Browning Street Madisonville KY 42431 LAT/LONG: 37.336643 / 87.513446

CLIENT: Linebach Funkhouser Inc.
CONTACT: Eric Altobellis
INQUIRY#: 7679837.2s
DATE: June 12, 2024 3:56 pm

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Loring

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward

movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 61 inches

	Soil Layer Information							
	Boundary			Classification		Saturated hydraulic		
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Con Roadion	
1	0 inches	7 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14.11 Min: 1.41	Max: 6.5 Min: 4.5	
2	7 inches	27 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14.11 Min: 1.41	Max: 6.5 Min: 4.5	
3	27 inches	44 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14.11 Min: 1.41	Max: 6.5 Min: 4.5	
4	44 inches	59 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14.11 Min: 1.41	Max: 6.5 Min: 4.5	

Soil Map ID: 2

Soil Component Name: Grenada

Soil Surface Texture: silt loam

Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures. Hydrologic Group:

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 64 inches

	Soil Layer Information							
	Boundary			Classification		Saturated hydraulic		
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)	
1	0 inches	7 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.41 Min: 0.42	Max: 6 Min: 4.5	
2	7 inches	29 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.41 Min: 0.42	Max: 6 Min: 4.5	
3	29 inches	40 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.41 Min: 0.42	Max: 6 Min: 4.5	
4	40 inches	59 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.41 Min: 0.42	Max: 6 Min: 4.5	

Soil Map ID: 3

Soil Component Name: Grenada

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward

movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 36 inches

Soil Layer Information Saturated **Boundary** Classification hydraulic conductivity **AASHTO Group Unified Soil Soil Reaction** Layer Upper Lower Soil Texture Class micro m/sec (pH) 0 inches 3 inches silt loam Silt-Clay FINE-GRAINED Max: 1.41 Max: 6 Min: Materials (more SOILS, Silts and Min: 0.42 4.5 than 35 pct. Clays (liquid passing No. limit less than 200), Silty 50%), Lean Clay Soils. 2 3 inches 18 inches silt loam Silt-Clay FINE-GRAINED Max: 1.41 Max: 6 Min: Materials (more SOILS, Silts and 4.5 Min: 0.42 than 35 pct. Clays (liquid limit less than passing No. 200), Silty 50%), Lean Clay Soils. Max: 6 Min: 3 18 inches 29 inches silty clay loam Silt-Clay FINE-GRAINED Max: 1.41 Min: 0.42 SOILS, Silts and Materials (more 4.5 than 35 pct. Clays (liquid passing No. limit less than 200), Silty 50%), Lean Clay Soils. FINE-GRAINED 4 29 inches 59 inches silt loam Silt-Clay Max: 1.41 Max: 6 Min: SOILS, Silts and Materials (more Min: 0.42 4.5 than 35 pct. Clays (liquid passing No. limit less than 200), Silty 50%), Lean Clay Soils.

Soil Map ID: 4

Soil Component Name: Zanesville

Soil Surface Texture: silt loam

Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures. Hydrologic Group:

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 43 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)
1	0 inches	3 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14.11 Min: 4.23	Max: 6 Min: 4.5
2	3 inches	18 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14.11 Min: 4.23	Max: 6 Min: 4.5
3	18 inches	29 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14.11 Min: 4.23	Max: 6 Min: 4.5
4	29 inches	59 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14.11 Min: 4.23	Max: 6 Min: 4.5

Soil Map ID: 5

Soil Component Name: Calloway

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward

movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 30 inches

Soil Layer Information							
Layer	Boundary			Classification		Saturated hydraulic	
	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)
1	0 inches	9 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.41 Min: 0.42	Max: 7.8 Min: 5.1
2	9 inches	27 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.41 Min: 0.42	Max: 7.8 Min: 5.1
3	27 inches	59 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.41 Min: 0.42	Max: 7.8 Min: 5.1

Soil Map ID: 6

Soil Component Name: Belknap

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward

movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 30 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)
1	0 inches	7 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14.11 Min: 1.41	Max: 7.3 Min: 4.5
2	7 inches	24 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14.11 Min: 1.41	Max: 7.3 Min: 4.5
3	24 inches	59 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14.11 Min: 1.41	Max: 7.3 Min: 4.5

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE SEARCH DISTANCE (miles)

Federal USGS 1.000

Federal FRDS PWS Nearest PWS within 1 mile

State Database 1.000

FEDERAL USGS WELL INFORMATION

MAP ID WELL ID LOCATION FROM TP

FEDERAL USGS WELL INFORMATION

MAP ID WELL ID LOCATION FROM TP

No Wells Found

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID WELL ID FROM TP

13 KY0542625 1/2 - 1 Mile SE

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
	KY7000000079304	1/4 - 1/2 Mile SE
A2	KY700000079305	1/4 - 1/2 Mile SE
A3	KY700000079303	1/4 - 1/2 Mile SE
B4	KY700000063995	1/2 - 1 Mile NE
B5	KY700000063996	1/2 - 1 Mile NE
B6	KY700000063997	1/2 - 1 Mile NE
C7	KY700000076010	1/2 - 1 Mile ENE
C8	KY700000076009	1/2 - 1 Mile ENE
C9	KY700000072013	1/2 - 1 Mile ENE
C10	KY700000072018	1/2 - 1 Mile ENE
C11	KY700000072015	1/2 - 1 Mile ENE
C12	KY700000072014	1/2 - 1 Mile ENE

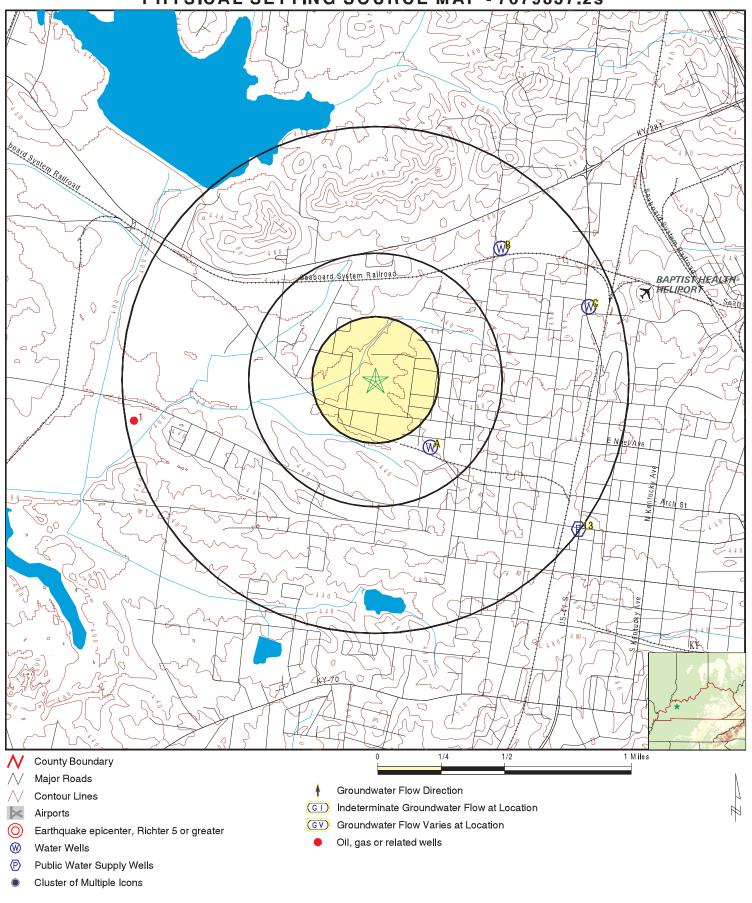
OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

 MAP ID
 WELL ID
 FROM TP

 1
 KYOG14000051288
 1/2 - 1 Mile West

PHYSICAL SETTING SOURCE MAP - 7679837.2s



CLIENT: Linebach Fun CONTACT: Eric Altobellis SITE NAME: Harper Village Linebach Funkhouser Inc. ADDRESS:

445 Browning Street Madisonville KY 42431 INQUIRY#: 7679837.2s LAT/LONG: 37.336643 / 87.513446 DATE: June 12, 2024 3:56 pm

GEOCHECK®-PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance

Elevation Database EDR ID Number

A1 SE

1/4 - 1/2 Mile Higher

AKGWA ID: 80036139 Well Type: Monitoring Well

Well Status: Plugged Alt ID: MW-03

PWS ID: Not Reported Well Name: Ashmore Bulk Plant
Surface Elevation: 440 Usage: Monitoring Well - Ambient Monitoring

Total Depth: 10.5 Depth to Bedrock: 10.5

End Date: 25-SEP-01

A2 SE

1/4 - 1/2 Mile Higher

AKGWA ID: 80036140 Well Type: Monitoring Well Well Status: Plugged Alt ID: MW-01

PWS ID: Not Reported Well Name: Ashmore Bulk Plant

Surface Elevation: 440 Well Name. Assimore Bulk Plant

Well Name. Assimore Bulk Plant

Wonitoring Well - Ambient Monitoring

Total Depth: 10.5 Depth to Bedrock: 10.5

End Date: 10.5 Depth to Bedrock:

SE 1/4 - 1/2 Mile

1/4 - 1/2 Mile Higher

AKGWA ID: 80036138 Well Type: Monitoring Well Well Status: Plugged Alt ID: MW-02

PWS ID: Not Reported Well Name: Ashmore Bulk Plant

Surface Elevation: 440 Usage: Monitoring Well - Ambient Monitoring Total Depth: 10.5 Depth to Bedrock: 10.5

Total Depth: 10.5 Depth to Bedrock: 10.5 End Date: 25-SEP-01

1/2 - 1 Mile Higher

 AKGWA ID:
 80010157
 Well Type:
 Monitoring Well

 Well Status:
 Active
 Alt ID:
 MW-01

PWS ID: Not Reported Well Name: Hopkins County Maintenance Garage Surface Elevation: 475 Well Name: Hopkins County Maintenance Garage Monitoring Well - Ambient Monitoring

Osage. Williaming Well - A

Total Depth: 19.6 Depth to Bedrock: 19 End Date: 14-DEC-93

KY WELLS

KY WELLS

KY WELLS

KY7000000079304

KY700000079305

KY700000079303

GEOCHECK®-PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance

Elevation Database EDR ID Number

B5 NE

1/2 - 1 Mile Higher

AKGWA ID: 80010158 Well Type: Monitoring Well Well Status: Active Alt ID: MW-02

PWS ID: Not Reported Well Name: Hopkins County Maintenance Garage Surface Elevation: 475 Well Name: Usage: Monitoring Well - Ambient Monitoring

Total Depth: 18.299999 Depth to Bedrock: 17

End Date: 14-DEC-93

B6

NE 1/2 - 1 Mile Higher

 AKGWA ID:
 80010159
 Well Type:
 Monitoring Well

 Well Status:
 Active
 Alt ID:
 MW-03

PWS ID: Not Reported Well Name: Hopkins County Maintenance Garage Surface Elevation: 475 Usage: Monitoring Well - Ambient Monitoring

Surface Elevation: 475 Usage: Monitoring Well - Amb Total Depth: 18.4 Depth to Bedrock: 0

End Date: 14-DEC-93

ENE 1/2 - 1 Mile Higher

End Date:

 AKGWA ID:
 80031612
 Well Type:
 Monitoring Well

 Well Status:
 Active
 Alt ID:
 MW-02

 PWS ID:
 Not Reported
 Well Name:
 Kroger U 563

Surface Elevation: 470 Usage: Monitoring Well - Ambient Monitoring

Total Depth: 45 Depth to Bedrock: 15

12-DEC-96

1/2 - 1 Mile Higher

AKGWA ID: 80031611 Well Type: Monitoring Well Well Status: Unsuitable For Intended Use Alt ID: MW-01

PWS ID: Unsuitable For Intended Use Alt ID: MW-01

Well Name: Kroger U 563

Surface Elevation: 470 Usage: Monitoring Well - Ambient Monitoring

Total Depth: 35 Depth to Bedrock: 10 End Date: 12-DEC-96

KY WELLS

KY WELLS

KY WELLS

KY700000063996

KY700000063997

KY700000076010

GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance

Elevation Database EDR ID Number

C9 ENE 1/2 - 1 Mile

E KY WELLS KY700000072013

Higher

AKGWA ID: 80025189 Well Type: Monitoring Well

Well Status: Plugged Alt ID: MW-01

PWS ID: Not Reported Well Name: Revco (Proposed)
Surface Elevation: 483.5 Usage: Monitoring Well - Ambient Monitoring

Total Depth: 9.5 Depth to Bedrock: 9.5

End Date: 02-APR-96

C10 ENE 1/2 - 1 Mile Higher

iei

AKGWA ID: 80025194 Well Type: Monitoring Well Well Status: Plugged Alt ID: EP-1

PWS ID: Not Reported Well Name: Revco (Proposed)
Surface Elevation: 480 Usage: Remediation
Total Depth: 12.27 Depth to Bedrock: 12.27

End Date: 16-AUG-96

C11 ENE 1/2 - 1 Mile Higher

 AKGWA ID:
 80025191
 Well Type:
 Monitoring Well

 Well Status:
 Plugged
 Alt ID:
 MW-03

PWS ID: Not Reported Well Name: Revco (Proposed)

Surface Elevation: 478.600006 Usage: Monitoring Well - Ambient Monitoring

Total Depth: 6.5 Depth to Bedrock: End Date: 02-APR-96

C12
ENE
KY WELLS
1/2 - 1 Mile

 Higher

 AKGWA ID:
 80025190
 Well Type:
 Monitoring Well

 Well Status:
 Plugged
 Alt ID:
 MW-02

Well Status: Plugged Alt ID: MW-02
PWS ID: Not Reported Well Name: Revco (Proposed)

PWS ID: Not Reported Well Name: Revco (Proposed)

Surface Elevation: 481.299988 Usage: Monitoring Well - Ambient Monitoring

Total Depth: 12 Depth to Bedrock: 12.1

End Date: 02-APR-96

KY WELLS

KY WELLS

KY700000072018

KY700000072015

KY7000000072014

GEOCHECK®-PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance

Elevation Database EDR ID Number 13

SE 1/2 - 1 Mile

FRDS PWS KY0542625

Higher

Epa region: 04 State:

KY0542625 ISLAND CREEK COAL CO/FIES MINE Pwsid: Pwsname:

Cityserved: Not Reported Stateserved: ΚY Zipserved: Not Reported 21107 Fipscounty: Status: Closed Retpopsrvd: 525

Pwssvcconn: Psource longname: Surface_water **TNCWS** Pwstype: Owner: unknown

ISLAND CREEK COAL CO/FIES MINE Contact:

Not Reported Not Reported Contactorgname: Contactphone: DRAWER N Contactaddress1: Not Reported Contactaddress2:

Contactcity: **MADISONVILLE** Contactstate: ΚY 42431 Pwsactivitycode: Contactzip:

Pwsid: KY0542625 Facid:

Facname: 6 LAKES Factype: Treatment_plant Facactivitycode: Trtobjective: particulate removal

filtered Trtprocess: Factypecode:

Pwsid: KY0542625 Facid:

Treatment_plant Facname: 6 LAKES Factype: Facactivitycode: Trtobjective: disinfection

Factypecode: Trtprocess: chlorination (frds-1.5)

PWS ID: KY0542625 PWS type: Not Reported PWS name: Not Reported PWS address: Not Reported PWS state: Not Reported PWS city: Not Reported PWS zip: Not Reported PWS ID: KY0542625 Activity status: Active Date system activated: 7504

00000525 Date system deactivated: Not Reported Retail population:

ISLAND CREEK COAL CO/FIES MINE System name:

Not Reported DRAWER N System address: System address:

System city: **MADISONVILLE** System state: KY

System zip: 42431

County FIPS: **FIES** 054 City served:

Latitude: 371941 Longitude: 0872956

Latitude: 371921 Longitude: 0872210

GEOCHECK®-PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance

Database EDR ID Number

1 West OIL_GAS KYOG14000051288 1/2 - 1 Mile

OIL_GAS:

API #: 16107020700000 KGS #: 54144

Well Elevation: 396 Original Farm/Lease Name: KING, THOMAS

Original Operator: HAR-KEN OIL CO Original Well #: 1

Permit #:10932Formation:333SGVVDeepest Formation:000Init Open or Potential Flow:Not Reporteddescription in result_desc field:D&AOriginal API Classification:New Pool Wildcat

How Completed: Dry and abandoned

Bore Type: Conventional vertical well bore

Completion Date:08-JAN-64Plug Date:12-FEB-64Documentation on Plug:PACore Call #:Not ReportedCutting Call #:Not ReportedLog on File:ELOG

URL: https://kgs.uky.edu/kygeode/services/oilgas/wellReport.asp?id=54144

GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: KY Radon

Radon Test Results

Zip	Test Date	Test Result
42431	6/18/2003	0.20
42431	6/30/2003	3.60
42431	1/3/2002	3.90
42431	1/3/2002	3.90
42431	9/15/2003	2.90
42431	11/16/2003	0.70
42431	11/28/2003	4.90
42431	6/15/2004	0.40
42431	6/20/2004	0.90
42431	3/10/2004	0.90
42431	3/21/2004	2.80
42431	4/10/2004	0.70
42431	5/13/2004	1.00
42431	9/28/2004	0.70

Federal EPA Radon Zone for HOPKINS County: 2

Note: Zone 1 indoor average level > 4 pCi/L.

: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.

: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 42431

Number of sites tested: 5

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor Living Area - 2nd Floor Basement	0.440 pCi/L Not Reported Not Reported	100% Not Reported Not Reported	0% Not Reported Not Reported	0% Not Reported Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: Environmental & Public Protection Cabinet

Telephone: 502-564-6736

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Kentucky Water Well Records Database Source: Kentucky Geological Survey

Telephone: 859-257-5500

Water Wells in Kentucky. Data from the Kentucky Ground Water Data Repository.

OTHER STATE DATABASE INFORMATION

Oil and Gas Well Locations

Source: Kentucky Geological Survey

Telephone: 859-257-5500

Oil and gas well locations in the state of Kentucky

RADON

State Database: KY Radon

Source: Department of Public Health

Telephone: 502-564-4856 Radon Test Results

Area Radon Information Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency

(USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor

radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

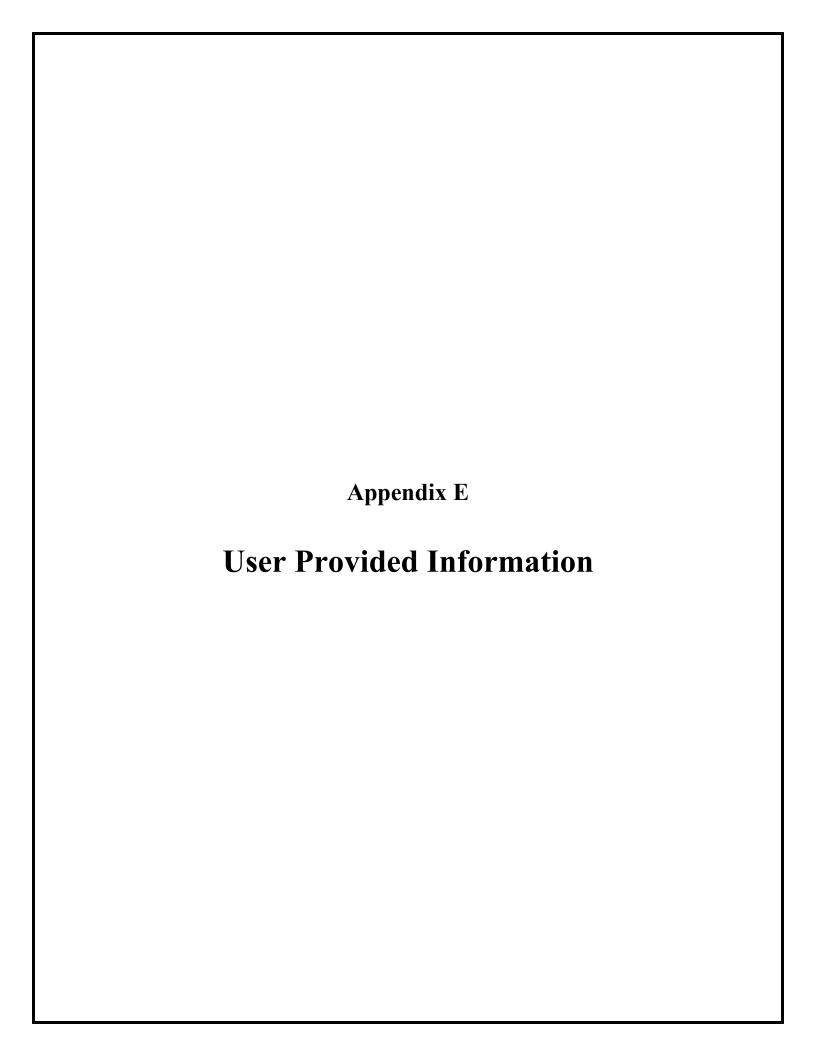
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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PHASE I ESA – AAI USER QUESTIONNAIRE (ASTM E1527-21)

Presented below is the User Questionnaire cited in Appendix X3 of ASTM E1527-21. In order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Relief and Brownfield's Revitalization Act of 2001 (the "Brownfield's Amendments"), the User (i.e. LFI client(s)) must conduct the following inquires and provide the information to the environmental professional. Failure to provide this information could result in a determination that "all appropriate inquiry" is not complete.

Subject Property: 445 Browning Street, Madisonville, KY LFI Project No: 032-24 T
1. Environmental Cleanup Liens Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, state, tribal or local law?
Yes No Unknown
2. Activity and Use Limitations (AULs) Are you aware of any AULs, such as engineering controls, land use restrictions, or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, state, tribal or local law?
Yes No Unknown
3. Specialized Knowledge or Experience Do you have any specialized knowledge or experience related to the subject property or surrounding properties? For example, are you involved in the same line of business as the current or former occupants of the subject property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business? Do you have documentation (e.g. — Phase I ESAs, Phase subsurface investigations, tank removal/closure reports, remedial reports, asbestos a lead-based paint sampling and/or abatement reports, etc.) for the subject property that may be relevant to this Phase I ESA?
Yes No Unknown
Comments:
4. Relationship of Purchase Price to Fair Market Value Does the purchase price being paid for the subject property reasonably reflect the fair market value of the property?
Yes No Unknown

If you conclude that there is a difference, have you price is because contamination is known or believ	
Yes No	
Comments:	
	oly ascertainable information about the ental professional to identify conditions
a. Do you know the past uses of the property?b. Do you know of specific chemicals that are property?	present or once were present at the
property?	·
Comments:	
There was a small lake built on the site during the removed prior to 1994.	1960-70s, but it appears to have been
	e and experience related to the subject
Comments:	
Please be sure to attach copies of documentation, as	ertainable Information or reasonably ascertainable information about the environmental professional to identify conditions cleases? For example, as User: property? als that are present or once were present at the chemical releases that have taken place at the property? e during the 1960-70s, but it appears to have been for Contamination or knowledge and experience related to the subject stors that point to the presence or likely presence of the property? entation, as available. Vice President Title
Completed by:	
Anthony Elmore Name	
Clayton Watkins Construction Company, Inc Company Name	
270-259-9361	
Phone Number	

ENCLOSURE G ENDANGERED SPECIES

OMB No. 2506-0177 (exp.2/28/2025)



U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WASHINGTON, DC 20410-1000

This Worksheet was designed to be used by those "Partners" (including Public Housing Authorities, consultants, contractors, and nonprofits) who assist Responsible Entities and HUD in preparing environmental reviews, but legally cannot take full responsibilities for these reviews themselves. Responsible Entities and HUD should use the RE/HUD version of the Worksheet.

Endangered Species Act (CEST and EA) – PARTNER

https://www.hudexchange.info/environmental-review/endangered-species

1.	Does the pro	ject invo	lve any activ	vities that	have the	potential to	affect species o	r habitats?
----	--------------	-----------	---------------	-------------	----------	--------------	------------------	-------------

- □No, the project will have No Effect due to the nature of the activities involved in the project.
 - → If the RE/HUD agrees with this recommendation, the review is in compliance with this section.

 Continue to the Worksheet Summary below. Provide any documents used to make your determination.
- □No, the project will have No Effect based on a letter of understanding, memorandum of agreement, programmatic agreement, or checklist provided by local HUD office.

Explain your determination:

Click here to enter text.

- → If the RE/HUD agrees with this recommendation, the review is in compliance with this section.

 Continue to the Worksheet Summary below. Provide any documents used to make your determination.
- \boxtimes Yes, the activities involved in the project have the potential to affect species and/or habitats. \Rightarrow Continue to Question 2.

2. Are federally listed species or designated critical habitats present in the action area? Obtain a list of protected species from the Services. This information is available on the FWS Website.

 \square No, the project will have No Effect due to the absence of federally listed species and designated critical habitat.

→ If the RE/HUD agrees with this recommendation, the review is in compliance with this section.

Continue to the Worksheet Summary below. Provide any documents used to make your determination. Documentation may include letters from the Services, species lists from the Services' websites, surveys or other documents and analysis showing that there are no species in the action area.

- 3. Recommend one of the following effects that the project will have on federally listed species or designated critical habitat:
 - ☑No Effect: Based on the specifics of both the project and any federally listed species in the action area, you have determined that the project will have absolutely no effect on listed species or critical habitat.
 - → If the RE/HUD agrees with this recommendation, the review is in compliance with this section.

 Continue to the Worksheet Summary below. Provide any documents used to make your determination. Documentation should include a species list and explanation of your conclusion, and may require maps, photographs, and surveys as appropriate.
 - ☐ May Affect, Not Likely to Adversely Affect: Any effects that the project may have on federally listed species or critical habitats would be beneficial, discountable, or insignificant.
 - → Partner entities should not contact the Services directly. If the RE/HUD agrees with this recommendation, they will have to complete Informal Consultation. Provide the RE/HUD with a biological evaluation or equivalent document. They may request additional information, including surveys and professional analysis, to complete their consultation.
 - □Likely to Adversely Affect: The project may have negative effects on one or more listed species or critical habitat.
 - → Partner entities should not contact the Services directly. If the RE/HUD agrees with this recommendation, they will have to complete Formal Consultation. Provide the RE/HUD with a biological evaluation or equivalent document. They may request additional information, including surveys and professional analysis, to complete their consultation.

Worksheet Summary

Provide a full description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your program or region

Include all documentation supporting your findings in your submission to HUD.

See consistency letters from the Fish and Wildlife Service. IPaC determination keys results in "no effect" and are attached.

This project has been determined to have No Effect on listed species. On September 23, 2024 Seth Bishop with US Fish and Wildlife responded noting "...Based on your answers, the determination keys concluded the project is unlikely to have any detrimental effects to these species. Therefore, you determined that the proposed project will have "no effect" on these species. There is no requirement to request concurrence with "no effect" determinations; however, the KFO (Kentucky Field Office) acknowledges these determinations and has no additional comments or concerns regarding these species. The consistency letters generated by the determination keys service as documentation of your consideration of listed species and critical habitat for the proposed project and should be retained for

your records. No further coordination with the Service is necessary at this time. Additional coordination may be necessary if: if: (1) new information reveals that the proposed project may affect listed species or critical habitat in a manner or to an extent not considered, (2) the proposed action is subsequently modified to include activities which were not considered, or (3) new species are listed or critical habitat designated." IPaC determination keys results in "no effect" and are attached. Correspondence with Seth Bishop with the Kentucky Field Office of the US Fish and Wildlife is attached. This project is in compliance with the Endangered Species Act without mitigation.

Supporting Documentation

20240809 NE Consistency IBat.pdf
20240705 NE Consistency KY_FLD_OFFICE_SA.pdf
Species List_ Kentucky Ecological Services Field Office.pdf
HarperVillage_USFWS_FNL.pdf



United States Department of the Interior



FISH AND WILDLIFE SERVICE

Kentucky Ecological Services Field Office J C Watts Federal Building, Room 265 330 West Broadway Frankfort, KY 40601-8670

Phone: (502) 695-0467 Fax: (502) 695-1024 Email Address: <u>kentuckyes@fws.gov</u>

In Reply Refer To: 08/09/2024 00:04:18 UTC

Project code: 2024-0112234

Project Name: Harper Village - Madisonville, Kentucky

Subject: Consistency letter for the project named 'Harper Village - Madisonville, Kentucky' for

the endangered Indiana bat and its critical habitat in the proposed project location,

pursuant to the Indiana Bat Determination Key (DKey)

Dear Suzanne Arnzen:

The U.S. Fish and Wildlife Service (Service) received on **August 09, 2024** your effect determination(s) for the 'Harper Village - Madisonville, Kentucky' using the Indiana Bat DKey within the Information for Planning and Consultation (IPaC) system. The Service developed this system in accordance with the Endangered Species Act of 1973 (ESA) (87 Stat.884, as amended; 16 U.S.C. 1531 et seq.).

Based on your answers and the assistance of the Service's Indiana Bat DKey, you made the following effect determination(s) for the proposed Action:

SpeciesListing StatusDeterminationIndiana Bat (Myotis sodalis)EndangeredNo effect

Consultation Status

No Effect Determinations: : Species with No effect determinations are those for which you determined the proposed Action would have "no effect" on the species. There is no statutory requirement for the federal action agency to request concurrence with that determination; however, the federal action agency should document the supporting information for this determination in their files. This documentation would typically demonstrate a lack of suitable habitat within the action area, show that no impacts to suitable habitat would occur, or provide information that the species is not reasonably certain to occur in the action area even though suitable habitat is present.

The Service recommends that your agency contact the Kentucky Ecological Services Field Office or re-evaluate the Action in IPaC if: 1) the scope, timing, duration, or location of the Action changes, 2) new information reveals the Action may affect listed species or designated critical habitat, or 3) a new species is listed or critical habitat designated. If any of the above conditions occurs, additional consultation with the Kentucky Ecological Services Field Office should take place before project changes are final or resources committed.

In addition to the Indiana bat, the following species and/or critical habitats may also occur in your project area and **are not** covered by this conclusion:

- Clubshell *Pleurobema clava* Endangered
- Fanshell *Cyprogenia stegaria* Endangered
- Gray Bat *Myotis grisescens* Endangered
- Monarch Butterfly Danaus plexippus Candidate
- Northern Riffleshell *Epioblasma rangiana* Endangered
- Pink Mucket (pearlymussel) *Lampsilis abrupta* Endangered
- Whooping Crane *Grus americana* Experimental Population, Non-Essential

To address effects to other federally listed or proposed species and/or their designated critical habitat, you can request project-specific review by following the instructions in the "Next Steps" section of your species list letter, or you may use another determination key, if available.

Additional Coordination

To request additional technical assistance or consultation, please contact the Kentucky Ecological Services Field Office. When you contact the office, please provide all relevant site-specific information regarding the proposed Action. The Kentucky Ecological Services Field Office will respond within 30 to 60 days of your submittal.

Action Description

You provided to IPaC the following name and description for the subject Action.

1. Name

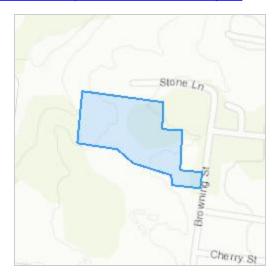
Harper Village - Madisonville, Kentucky

2. Description

The following description was provided for the project 'Harper Village - Madisonville, Kentucky':

Construction of affordable housing.

The approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/@37.3371437,-87.51253831856621,14z



QUALIFICATION INTERVIEW

1. Will the proposed action involve Federal funding, permitting, or authorization, or will it be carried out by a Federal Agency?

Yes

No

2. Is the Federal Highway Administration (FHWA), Federal Railroad Administration (FRA), or Federal Transit Administration (FTA) the lead Federal Agency for this action.

3. Are you the lead Federal Action Agency or designated non-federal representative requesting concurrence on behalf of the lead Federal Action Agency?

No

4. [Semantic] Is the Action Area within 1/2-mile of a known Indiana bat hibernaculum?

Note: The map queried for this question contains proprietary information and cannot be displayed. If you need additional information, please contact the Field Office listed in the letterhead of this letter.

Automatically answered

No

5. Will the proposed Action involve construction or operation of wind turbines? *No*

6. Will the proposed Action involve blasting, other than a fireworks display? *No*

7. Will the proposed Action involve a new point source discharge from a facility other than a water treatment plant or storm water system?

No

8. Will the proposed Action involve the creation of a new water-borne contaminant source (e.g., leachate pond, pits containing chemicals that are not NSF/ANSI 60 compliant)?

Note: For information regarding NSF/ANSI 60 please visit https://www.nsf.org/knowledge-library/nsf-ansi-standard-60-drinking-water-treatment-chemicals-health-effects

No

9. Will the proposed Action include the removal, replacement, repair and/or maintenance of an existing bridge?

No

10. Will the proposed Action involve perennial stream loss that would require an individual permit under 404 of the Clean Water Act?

No

11. Will the proposed Action involve discharge of sediment into a stream?

No

Project code: 2024-0112234 IPaC Record Locator: 930-145854480

08/09/2024 00:04:18 UTC

12. Does the Action Area contain any caves (including their associated sinkholes, fissures, or other karst features), rockshelters, underground quarries, or abandoned mine portals (including associated underground workings)?

No

13. Will the proposed project result in the removal of trees?

14. Based on the responses you have provided, we believe that the proposed Action is consistent with the type of Actions programmatically evaluated by the Service under the standing analyses that supports this determination key. These Actions typically conclude with "no effect" or "may affect - not likely to adversely affect" determinations for the Indiana bat.

What determination do you want to make for the Indiana bat:

Note: IPaC will not provide a concurrence for "no effect" determinations, because there is no statutory requirement to request concurrence from the Service. IPaC will provide concurrence for "May affect – not likely to adversely affect" determinations. If you choose "May affect - likely to adversely affect" or "Unsure," additional coordination with the Service is recommended.

No effect

08/09/2024 00:04:18 UTC

IPAC USER CONTACT INFORMATION

Agency: **Private Entity** Name: Suzanne Arnzen

Address: 11450 Watterson Court

Address Line 2: Suite 200 City: Louisville

State: KY 40299 Zip:

Email sarnzen@cmecenvironmental.com

Phone: 5024890850

LEAD AGENCY CONTACT INFORMATION

Lead Agency: Department of Housing and Urban Development



United States Department of the Interior



FISH AND WILDLIFE SERVICE

Kentucky Ecological Services Field Office J C Watts Federal Building, Room 265 330 West Broadway Frankfort, KY 40601-8670

Phone: (502) 695-0467 Fax: (502) 695-1024 Email Address: kentuckyes@fws.gov

In Reply Refer To: 07/05/2024 20:23:16 UTC

Project code: 2024-0112234

Project Name: Harper Village - Madisonville, Kentucky

Subject: Consistency letter for the project named 'Harper Village - Madisonville, Kentucky' for

specified threatened and endangered species that may occur in your proposed project

location consistent with the Kentucky Determination Key (DKey)

Dear Suzanne Arnzen:

The U.S. Fish and Wildlife Service (Service) received on **July 05, 2024** your effect determination(s) for the 'Harper Village - Madisonville, Kentucky' (Action) using the Kentucky (DKey) within the Information for Planning and Consultation (IPaC) system. The Service developed this system in accordance with the Endangered Species Act of 1973 (ESA) (87 Stat. 884, as amended; 16 U.S.C. 1531 et seq.).

You have agreed to the following conservation measures:

• The project proponent will complete all excavation and grading and put BMPs in place to stabilize all excavated and graded areas within 1 month.

Based on your answers and the assistance of the Service's Kentucky DKey, you made the following effect determination(s) for the proposed Action:

Species	Listing Status	Determination
Clubshell (<i>Pleurobema clava</i>)	Endangered	No effect
Fanshell (Cyprogenia stegaria)	Endangered	No effect
Gray Bat (Myotis grisescens)	Endangered	No effect
Northern Riffleshell (<i>Epioblasma rangiana</i>)	Endangered	No effect
Pink Mucket (pearlymussel) (Lampsilis abrupta)	Endangered	No effect

Consultation Status

No Effect Determinations: Species with No effect determinations are those for which you determined the proposed Action would have "no effect" on the species. There is no statutory

requirement for the federal action agency to request concurrence with that determination; however, the federal action agency should document the supporting information for this determination in their files. This documentation would typically demonstrate a lack of suitable habitat within the action area, show that no impacts to suitable habitat would occur, or provide information that the species is not reasonably certain to occur in the action area even though

Coordination with the Kentucky Ecological Services Office is complete. Thank you for considering Federally listed species during your project planning.

The Service recommends that your agency contact the Kentucky Ecological Services Field Office or re-evaluate the Action in IPaC if: 1) the scope, timing, duration, or location of the Action changes, 2) new information reveals the Action may affect listed species or designated critical habitat, or 3) a new species is listed or critical habitat designated. If any of the above conditions occurs, additional consultation with the Kentucky Ecological Services Field Office should take place before project changes are final or resources committed.

The following species and/or critical habitats may also occur in your project area and **are not** covered by this conclusion:

• Indiana Bat *Myotis sodalis* Endangered

Project code: 2024-0112234

suitable habitat is present.

- Monarch Butterfly Danaus plexippus Candidate
- Northern Long-eared Bat *Myotis septentrionalis* Endangered
- Whooping Crane *Grus americana* Experimental Population, Non-Essential

To address effects to other federally listed or proposed species and/or their designated critical habitat, you can request project-specific review by following the instructions in the "Next Steps" section of your species list letter, or you may use another determination key, if available.

Additional Coordination

To request additional technical assistance or consultation, please contact the Kentucky Ecological Services Field Office . When you contact the office, please provide all relevant site-specific information regarding the proposed Action. The Kentucky Ecological Services Field Office will respond within 30 to 60 days of your submittal.

Action Description

You provided to IPaC the following name and description for the subject Action.

1. Name

Harper Village - Madisonville, Kentucky

2. Description

The following description was provided for the project 'Harper Village - Madisonville, Kentucky':

Construction of affordable housing.

The approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/@37.3371437,-87.51253831856621,14z



QUALIFICATION INTERVIEW

1. Will the proposed Action involve Federal funding, permitting, or authorization, or will it be carried out by a Federal Agency?

Yes

2. Are you the lead Federal Action Agency or designated non-federal representative requesting concurrence on behalf of the lead Federal Action Agency?

No

3. [Hidden Semantic] Does the action area intersect critical habitat?

Automatically answered

No

4. Will the proposed Action involve construction or operation of wind turbines?

No

5. Will the proposed Action involve blasting (other than a fireworks display)?

No

6. Will the proposed Action involve a new point source discharge from a facility other than a water treatment plant or storm water system?

No

- 7. Will the proposed Action involve the creation of a new water-borne contaminant source (e.g. leachate pond, pits containing chemicals that are not NSF/ANSI 60 compliant)? No
- 8. Will the proposed Action include the removal, replacement, repair and/or maintenance of an existing bridge or culvert?

No

9. Will the proposed Action involve perennial stream loss that would require an individual permit under 404 of the Clean Water Act?

No

10. Will the proposed Action involve discharge of sediment into a stream?

No

11. Does the Action Area contain any caves (including their associated sinkholes, fissures, or other karst features), rockshelters, underground quarries, or abandoned mine portals (including associated underground workings)?

No

12. [Hidden Semantic] Does the Action Area intersect the Kentucky AOI of the gray bat?

Automatically answered

Yes

13. Will the proposed Action involve drilling or boring?

Yes

14. Prior to the drilling or boring, will the project proponent conduct appropriate preliminary evaluations to ensure that proposed drilling or boring is unlikely to encounter karst voids or other voids?

Yes

- 15. Will the project proponent contact the Field Office if potentially suitable gray bat hibernacula or roosting habitat is encountered during drilling or boring? Yes
- 16. Based on the responses you have provided, we believe that the proposed Action is consistent with the type of Actions programmatically evaluated by the Service's Kentucky Field Office under the standing analyses that support this determination key. These Actions typically conclude with "no effect" or "may affect - not likely to adversely affect" determinations for the gray bat.

What is your effect determination for the **gray bat**?

Note: IPaC will not provide a concurrence for "no effect" determinations, because there is no statutory requirement to request concurrence from the Service. IPaC will provide concurrence for "May affect – not likely to adversely affect" determinations. If you choose "May affect – likely to adversely affect" or "Unsure," additional coordination with the Service is recommended.

- 1. "No effect"
- 17. Will the proposed Action involve a new point source discharge into a stream or change an existing point source discharge (e.g., outfalls; leachate ponds)?

No

18. Will the proposed Action include any activities that would alter stream flow, such as hydropower energy production, impoundments, intake structures, diversion structures, and/ or turbines?

No

- 19. Will the proposed Action involve dredging or in-stream gravel mining? No
- 20. Will the proposed Action involve resource extraction (e.g., mining, oil/gas, logging), including exploration activities?

No

21. Will the proposed Action involve stream impacts (perennial or intermittent) that would require an individual permit under 404 of the Clean Water Act? No

22. Will the proposed Action involve activities that would contribute measureable nonpoint source pollution to streams (e.g., sediment, nutrients, etc.)? See the following EPA webpage for more examples of nonpoint source pollution and activities that can produce it: https:// www.epa.gov/nps/basic-information-about-nonpoint-source-nps-pollution

No

Project code: 2024-0112234

23. [Hidden Semantic] Does the action area include the 1/2-mile buffer of a stream or river in

Automatically answered

No

- 24. Will the proposed Action disturb the channel or bank of a perennial or intermittent stream?
- 25. Will the proposed Action disturb the channel or bank of an ephemeral stream? *No*

which any species covered under this key occurs or may occur?

26. Will the proposed Action involve vegetation removal within 200 feet of a perennial stream bank?

No

27. Will the proposed Action involve excavation or grading, including for the construction or improvement of an access road?

Yes

28. Are all areas proposed for excavation or grading situated more than 200 feet from the banks of perennial and intermittent streams?

Yes

29. Are any areas proposed for excavation or grading located in or partly in a "special flood hazard area" as designated by FEMA? You can determine this by searching for your project area at the FEMA Flood Map Service Center (https://msc.fema.gov/portal/home. For technical assistance please contact the Field Office listed in the letterhead of your project's official species list.

No

30. Will the excavation or grading create new water bars or ditches that will channel stormwater into a stream?

No

31. Will the project proponent complete all excavation and grading activities and subsequent soil stabilization measures within 1 month?

Yes

32. [Hidden Semantic] Does the project area intersect the AOI of the clubshell (*Pleurobema clava*)?

Automatically answered

Yes

33. Based on the responses you have provided, we believe that the proposed Action is consistent with the type of Actions programmatically evaluated by the Service's Kentucky Field Office under the standing analyses that support this determination key. These Actions typically conclude with "no effect" or "may affect - not likely to adversely affect" determinations for the clubshell.

What determination do you want to make for the **clubshell**:

Note: IPaC will not provide a concurrence for "no effect" determinations, because there is no statutory requirement to request concurrence from the Service. IPaC will provide concurrence for "May affect – not likely to adversely affect" determinations. If you choose "May affect – likely to adversely affect" or "Unsure," additional coordination with the Service is recommended.

1. "No effect"

Project code: 2024-0112234

34. [Hidden Semantic] Does the project area intersect the AOI of the fanshell (*Cyprogenia stegaria*)?

Automatically answered

Yes

35. Based on the responses you have provided, we believe that the proposed Action is consistent with the type of Actions programmatically evaluated by the Service's Kentucky Field Office under the standing analyses that support this determination key. These Actions typically conclude with "no effect" or "may affect - not likely to adversely affect" determinations for the fanshell.

What is your effect determination for the **fanshell**:

Note: IPaC will not provide a concurrence for "no effect" determinations, because there is no statutory requirement to request concurrence from the Service. IPaC will provide concurrence for "May affect – not likely to adversely affect" determinations. If you choose "May affect – likely to adversely affect" or "Unsure," additional coordination with the Service is recommended.

- 1. "No effect"
- 36. [Hidden Semantic] Does the project area intersect the AOI of the northern riffleshell (*Epioblasma torulosa rangiana*)?

Automatically answered

Yes

37. Based on the responses you have provided, we believe that the proposed Action is consistent with the type of Actions programmatically evaluated by the Service's Kentucky Field Office under the standing analyses that support this determination key. These Actions typically conclude with "no effect" or "may affect - not likely to adversely affect" determinations for the northern riffleshell.

What is your effect determination for the **northern riffleshell**:

Note: IPaC will not provide a concurrence for "no effect" determinations, because there is no statutory requirement to request concurrence from the Service. IPaC will provide concurrence for "May affect – not likely to adversely affect" determinations. If you choose "May affect – likely to adversely affect" or "Unsure," additional coordination with the Service is recommended.

- 1. "No effect"
- 38. [Hidden Semantic] Does the project area intersect the AOI of the pink mucket (*Lampsilis abrupta*)?

Automatically answered Yes

39. Based on the responses you have provided, we believe that the proposed Action is consistent with the type of Actions programmatically evaluated by the Service's Kentucky Field Office under the standing analyses that support this determination key. These Actions typically conclude with "no effect" or "may affect - not likely to adversely affect"

What is your effect determination for the **pink mucket**:

determinations for the pink mucket.

Note: IPaC will not provide a concurrence for "no effect" determinations, because there is no statutory requirement to request concurrence from the Service. IPaC will provide concurrence for "May affect – not likely to adversely affect" determinations. If you choose "May affect – likely to adversely affect" or "Unsure," additional coordination with the Service is recommended.

1. "No effect"

07/05/2024 20:23:16 UTC

07/05/2024 20:23:16 UTC

IPAC USER CONTACT INFORMATION

Agency: **Private Entity** Name: Suzanne Arnzen

Address: 11450 Watterson Court

Address Line 2: Suite 200 City: Louisville

State: KY 40299 Zip:

Email sarnzen@cmecenvironmental.com

Phone: 5024890850

LEAD AGENCY CONTACT INFORMATION

Lead Agency: Department of Housing and Urban Development



United States Department of the Interior



FISH AND WILDLIFE SERVICE

Kentucky Ecological Services Field Office J C Watts Federal Building, Room 265 330 West Broadway Frankfort, KY 40601-8670

Phone: (502) 695-0467 Fax: (502) 695-1024 Email Address: <u>kentuckyes@fws.gov</u>

In Reply Refer To: 08/20/2024 15:35:02 UTC

Project Code: 2024-0112234

Project Name: Harper Village - Madisonville, Kentucky

Subject: List of threatened and endangered species that may occur in your proposed project

location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the

human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2) (c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

Project code: 2024-0112234

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

https://www.fws.gov/sites/default/files/documents/endangered-species-consultation-handbook.pdf

Migratory Birds: In addition to responsibilities to protect threatened and endangered species under the Endangered Species Act (ESA), there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity, intentional or unintentional, resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the U.S. Fish and Wildlife Service (50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)). For more information regarding these Acts, see https://www.fws.gov/program/migratory-bird-permit/what-we-do..

The MBTA has no provision for allowing take of migratory birds that may be unintentionally killed or injured by otherwise lawful activities. It is the responsibility of the project proponent to comply with these Acts by identifying potential impacts to migratory birds and eagles within applicable NEPA documents (when there is a federal nexus) or a Bird/Eagle Conservation Plan (when there is no federal nexus). Proponents should implement conservation measures to avoid or minimize the production of project-related stressors or minimize the exposure of birds and their resources to the project-related stressors. For more information on avian stressors and recommended conservation measures, see https://www.fws.gov/library/collections/threats-birds.

In addition to MBTA and BGEPA, Executive Order 13186: *Responsibilities of Federal Agencies to Protect Migratory Birds*, obligates all Federal agencies that engage in or authorize activities that might affect migratory birds, to minimize those effects and encourage conservation measures that will improve bird populations. Executive Order 13186 provides for the protection of both migratory birds and migratory bird habitat. For information regarding the implementation of Executive Order 13186, please visit https://www.fws.gov/partner/council-conservation-migratory-birds.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Code in the header of

this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

• Official Species List

OFFICIAL SPECIES LIST

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Kentucky Ecological Services Field Office

J C Watts Federal Building, Room 265 330 West Broadway Frankfort, KY 40601-8670 (502) 695-0467

PROJECT SUMMARY

Project Code: 2024-0112234

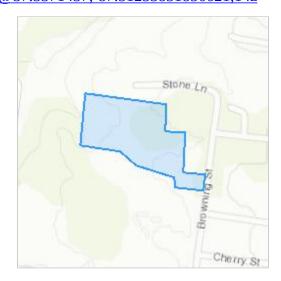
Project Name: Harper Village - Madisonville, Kentucky

Project Type: Residential Construction

Project Description: Construction of affordable housing.

Project Location:

The approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/@37.3371437,-87.51253831856621,14z



Counties: Hopkins County, Kentucky

ENDANGERED SPECIES ACT SPECIES

Project code: 2024-0112234

There is a total of 8 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species. Note that 5 of these species should be considered only under certain conditions.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

1. <u>NOAA Fisheries</u>, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

Project code: 2024-0112234 08/20/2024 15:35:02 UTC

MAMMALS

NAME STATUS

Gray Bat Myotis grisescens

Endangered

No critical habitat has been designated for this species.

This species only needs to be considered under the following conditions:

• The project area includes potential gray bat habitat.

Species profile: https://ecos.fws.gov/ecp/species/6329

General project design guidelines:

https://ipac.ecosphere.fws.gov/project/O6IGFT3VNRGHDMT6746JOZNOYA/documents/generated/6422.pdf

Indiana Bat Myotis sodalis

Endangered

There is **final** critical habitat for this species. Your location does not overlap the critical habitat.

This species only needs to be considered under the following conditions:

 The project area includes 'potential' habitat. All activities in this location should consider possible effects to this species.

Species profile: https://ecos.fws.gov/ecp/species/5949

General project design guidelines:

https://ipac.ecosphere.fws.gov/project/O6IGFT3VNRGHDMT6746JOZNOYA/documents/generated/6422.pdf

BIRDS

NAME STATUS

Whooping Crane Grus americana

Experimental Population,

Population: U.S.A. (AL, AR, CO, FL, GA, ID, IL, IN, IA, KY, LA, MI, MN, MS, MO, NC, NM, OH, SC, TN, UT, VA, WI, WV, western half of WY)

No critical habitat has been designated for this species.

Non-Essential

Species profile: https://ecos.fws.gov/ecp/species/758

CLAMS

NAME STATUS

Clubshell Pleurobema clava

Endangered

Population: Wherever found; Except where listed as Experimental Populations

No critical habitat has been designated for this species.

This species only needs to be considered under the following conditions:

The species may potentially occur in suitable habitat within the following rivers: Little,
 Pond, Rough, and Tradewater; and their larger tributaries.

Species profile: https://ecos.fws.gov/ecp/species/3789

General project design guidelines:

https://ipac.ecosphere.fws.gov/project/O6IGFT3VNRGHDMT6746JOZNOYA/documents/generated/5639.pdf

Fanshell *Cyprogenia stegaria*

Endangered

No critical habitat has been designated for this species.

This species only needs to be considered under the following conditions:

The species may potentially occur in suitable habitat within the following rivers: Little,
 Pond, Rough, and Tradewater; and their larger tributaries.

Project code: 2024-0112234 08/20/2024 15:35:02 UTC

NAME STATUS

Species profile: https://ecos.fws.gov/ecp/species/4822

General project design guidelines:

https://ipac.ecosphere.fws.gov/project/O6IGFT3VNRGHDMT6746JOZNOYA/documents/generated/5639.pdf

Northern Riffleshell *Epioblasma rangiana*

Endangered

No critical habitat has been designated for this species.

This species only needs to be considered under the following conditions:

The species may potentially occur in suitable habitat within the following rivers: Little,
 Pond, Rough, and Tradewater; and their larger tributaries.

Species profile: https://ecos.fws.gov/ecp/species/527

General project design guidelines:

https://ipac.ecosphere.fws.gov/project/O6IGFT3VNRGHDMT6746JOZNOYA/documents/generated/5639.pdf

Pink Mucket (pearlymussel) Lampsilis abrupta

Endangered

No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/7829

General project design guidelines:

 $\frac{https://ipac.ecosphere.fws.gov/project/O6IGFT3VNRGHDMT6746JOZNOYA/documents/generated/5639.pdf}{}$

INSECTS

NAME STATUS

Monarch Butterfly Danaus plexippus

Candidate

No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9743

CRITICAL HABITATS

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

YOU ARE STILL REQUIRED TO DETERMINE IF YOUR PROJECT(S) MAY HAVE EFFECTS ON ALL ABOVE LISTED SPECIES.

Project code: 2024-0112234 08/20/2024 15:35:02 UTC

IPAC USER CONTACT INFORMATION

Agency: State of Kentucky
Name: Jennifer Oberlin
Address: 1231 Louisville Road

City: Frankfort

State: KY Zip: 40601

Email joberlin@kyhousing.org

Phone: 5025647630

LEAD AGENCY CONTACT INFORMATION

Lead Agency: Department of Housing and Urban Development

Jennifer Oberlin

From: Bishop, Seth R <seth_bishop@fws.gov>
Sent: Monday, September 23, 2024 1:44 PM

To: Jennifer Oberlin

Subject: FWS 2024-0112234; Harper Village-Madisonville, Kentucky, Hopkins Co., KY

EXTERNAL EMAIL: Do not click links or open attachments unless you recognize the sender and know the content is safe.

Jen,

Thank you for submitting information for the subject project to our office. According to this information, you used the Indiana Bat and Kentucky Statewide determination keys on the Service's Information for Planning and Consultation website to evaluate potential effects from the proposed project to the gray bat (*Myotis grisescens*), Indiana bat (*Myotis sodalis*), clubshell (*Pleurobema clava*), fanshell (*Cyprogenia stegaria*), northern riffleshell (*Epioblasma rangiana*), and pink mucket (*Lampsilis abrupta*). Based on your answers, the determination key concluded the project is unlikely to have any detrimental effects to these species. Therefore, you determined that the proposed project will have "no effect" on these species. There is no requirement to request concurrence with "no effect" determinations; however, the KFO acknowledges these determinations and has no additional comments or concerns regarding these species. The consistency letters generated by the determination keys serve as documentation of your consideration of listed species and critical habitat for the proposed project and should be retained for your records.

No further coordination with the Service is necessary at this time. Additional coordination may be necessary if: (1) new information reveals that the proposed project may affect listed species or critical habitat in a manner or to an extent not considered, (2) the proposed action is subsequently modified to include activities which were not considered, or (3) new species are listed or critical habitat designated.

Let me know if you have questions or need additional assistance for this project.

Thanks, Seth

Seth R. Bishop Fish and Wildlife Biologist U.S. Fish and Wildlife Service Kentucky Field Office 330 West Broadway, Room 265 Frankfort, KY 40601 (502) 545-4532

Jennifer Oberlin

From: Jennifer Oberlin

Sent: Friday, August 23, 2024 10:55 AM

To: KentuckyES, FW4

Subject: IPAC Project Code: 2024-0112234 - Harper Village - 445 Browning Street, Madisonville, Hopkins

County, KY - (37.3369, -87.5127)

Attachments: HarperVillage_SpeciesList.pdf; ConsistencyLtr_IBat.pdf; ConsistencyLtr_KYDeterminationKey.pdf;

HarperVillage_Photos.pdf

The Kentucky Housing Corporation (KHC) obtained an Official Species List (attached) for the subject property using the USFWS Information for Planning and Consultation (IPAC). According to the Official Species List a total of eight (8) federally-listed species have the potential to be present within the project area. There are no critical habitats within the project area.

The developer indicates that they will complete all excavation and grading and put BMP's in place to stabilize all excavated and graded areas within 1 month.

Find a chart below that highlights KHC's determinations regarding our proposed actions and the species.

Species:	KHC Determination:	Notes/Consultation Status:
Gray Bat	May Affect, Not Likely to	This location provides suitable
	Adversely Affect.	habitat for this species. USFWS
		KFO technical assistance
		requested.
Indiana Bat	May Affect, Not Likely to	This location provides suitable
	Adversely Affect.	habitat for this species. USFWS
		KFO technical assistance
		requested.
Whooping Crane	No effect.	No suitable habitat present.
Clubshell	No effect.	No suitable habitat present.
Fanshell	No effect.	No suitable habitat present.
Northern Riffleshell	No effect.	No suitable habitat present.
Pink Mucket	No effect.	No suitable habitat present.
Monarch Butterfly	No effect.	No suitable habitat present.

Please find attached the official species list and consistency letters for your review. The last attachment contains site photos and other info that may assist you with your determination.

Feel free to contact me with any questions!

Thanks, Jen

Jennifer Oberlin

Pronouns: (she/her)

Environmental Review Technical Administrator

Kentucky Housing Corporation 1231 Louisville Rd. Frankfort, KY 40601 502-564-7630 (121) joberlin@kyhousing.org www.kyhousing.org



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KHC partners can subscribe to FREE email updates for KHC news and announcements. Subscribe to eGrams today!



Project Location: Harper Village, Madisonville, KY CMec Project Number: 062-24-W Date: July 2024



001

Photo Date: 07/08/2024





Photo No: 002

Photo Date:





Project Location: Harper Village, Madisonville, KY CMec Project Number: 062-24-W Date: July 2024

Photo No:

003

Photo Date:







Photo No:

004

Photo Date: 07/08/2024





Project Location: Harper Village, Madisonville, KY CMec Project Number: 062-24-W Date: July 2024

Photo No:

005

Photo Date: 07/08/2024





Photo No:

006

Photo Date: 07/08/2024





Photo No: 007

Photo Date: 07/08/2024





Photo No: 008





Photo No: 009

Photo Date: 07/08/2024





Photo No: 010







011

Photo Date: 07/08/2024





Photo No:

012





Photo No:

013

Photo Date: 07/08/2024





Photo No:

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015

Photo Date: 07/08/2024





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Photo No:

017

Photo Date: 07/08/2024





Photo No:

018





Photo No: 019

Photo Date: 07/08/2024





Photo No:

020





Photo No:

021

Photo Date: 07/08/2024





Photo No:

022





Photo No:

023

Photo Date: 07/08/2024





Photo No:

024





Photo No:

025

Photo Date: 07/08/2024





Photo No:

026





Photo No:

027

Photo Date: 07/08/2024





Photo No:

028







Figure 3. Overview of APE facing west from STP D2.



Figure 4. Overview of APE facing southwest from the center of the APE.



Figure 7. Overview of the APE facing south from STP G6.



United States Department of the Interior



FISH AND WILDLIFE SERVICE

Kentucky Ecological Services Field Office J C Watts Federal Building, Room 265 330 West Broadway Frankfort, KY 40601-8670

Phone: (502) 695-0467 Fax: (502) 695-1024 Email Address: <u>kentuckyes@fws.gov</u>

In Reply Refer To: 08/20/2024 15:35:02 UTC

Project Code: 2024-0112234

Project Name: Harper Village - Madisonville, Kentucky

Subject: List of threatened and endangered species that may occur in your proposed project

location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the

human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2) (c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

Project code: 2024-0112234

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

https://www.fws.gov/sites/default/files/documents/endangered-species-consultation-handbook.pdf

Migratory Birds: In addition to responsibilities to protect threatened and endangered species under the Endangered Species Act (ESA), there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity, intentional or unintentional, resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the U.S. Fish and Wildlife Service (50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)). For more information regarding these Acts, see https://www.fws.gov/program/migratory-bird-permit/what-we-do..

The MBTA has no provision for allowing take of migratory birds that may be unintentionally killed or injured by otherwise lawful activities. It is the responsibility of the project proponent to comply with these Acts by identifying potential impacts to migratory birds and eagles within applicable NEPA documents (when there is a federal nexus) or a Bird/Eagle Conservation Plan (when there is no federal nexus). Proponents should implement conservation measures to avoid or minimize the production of project-related stressors or minimize the exposure of birds and their resources to the project-related stressors. For more information on avian stressors and recommended conservation measures, see https://www.fws.gov/library/collections/threats-birds.

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We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Code in the header of

this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

• Official Species List

OFFICIAL SPECIES LIST

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Kentucky Ecological Services Field Office

J C Watts Federal Building, Room 265 330 West Broadway Frankfort, KY 40601-8670 (502) 695-0467

PROJECT SUMMARY

Project Code: 2024-0112234

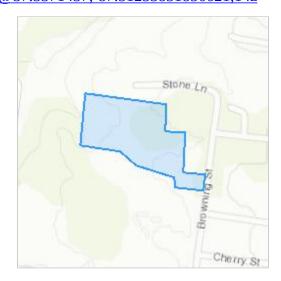
Project Name: Harper Village - Madisonville, Kentucky

Project Type: Residential Construction

Project Description: Construction of affordable housing.

Project Location:

The approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/@37.3371437,-87.51253831856621,14z



Counties: Hopkins County, Kentucky

ENDANGERED SPECIES ACT SPECIES

Project code: 2024-0112234

There is a total of 8 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species. Note that 5 of these species should be considered only under certain conditions.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

1. <u>NOAA Fisheries</u>, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

Project code: 2024-0112234 08/20/2024 15:35:02 UTC

MAMMALS

NAME STATUS

Gray Bat Myotis grisescens

Endangered

No critical habitat has been designated for this species.

This species only needs to be considered under the following conditions:

• The project area includes potential gray bat habitat.

Species profile: https://ecos.fws.gov/ecp/species/6329

General project design guidelines:

https://ipac.ecosphere.fws.gov/project/O6IGFT3VNRGHDMT6746JOZNOYA/documents/generated/6422.pdf

Indiana Bat Myotis sodalis

Endangered

There is **final** critical habitat for this species. Your location does not overlap the critical habitat.

This species only needs to be considered under the following conditions:

 The project area includes 'potential' habitat. All activities in this location should consider possible effects to this species.

Species profile: https://ecos.fws.gov/ecp/species/5949

General project design guidelines:

https://ipac.ecosphere.fws.gov/project/O6IGFT3VNRGHDMT6746JOZNOYA/documents/generated/6422.pdf

BIRDS

NAME STATUS

Whooping Crane *Grus americana*

Experimental Population,

Population: U.S.A. (AL, AR, CO, FL, GA, ID, IL, IN, IA, KY, LA, MI, MN, MS, MO, NC, NM, OH, SC, TN, UT, VA, WI, WV, western half of WY)

No critical habitat has been designated for this species.

Species profile: https://ecos.fws.gov/ecp/species/758

Non-Essential

CLAMS

NAME STATUS

Clubshell Pleurobema clava

Endangered

Population: Wherever found; Except where listed as Experimental Populations

No critical habitat has been designated for this species.

This species only needs to be considered under the following conditions:

• The species may potentially occur in suitable habitat within the following rivers: Little, Pond, Rough, and Tradewater; and their larger tributaries.

Species profile: https://ecos.fws.gov/ecp/species/3789

General project design guidelines:

https://ipac.ecosphere.fws.gov/project/O6IGFT3VNRGHDMT6746JOZNOYA/documents/generated/5639.pdf

Fanshell *Cyprogenia stegaria*

Endangered

No critical habitat has been designated for this species.

This species only needs to be considered under the following conditions:

The species may potentially occur in suitable habitat within the following rivers: Little,
 Pond, Rough, and Tradewater; and their larger tributaries.

Project code: 2024-0112234 08/20/2024 15:35:02 UTC

NAME STATUS

Species profile: https://ecos.fws.gov/ecp/species/4822

General project design guidelines:

https://ipac.ecosphere.fws.gov/project/O6IGFT3VNRGHDMT6746JOZNOYA/documents/generated/5639.pdf

Northern Riffleshell *Epioblasma rangiana*

Endangered

No critical habitat has been designated for this species.

This species only needs to be considered under the following conditions:

The species may potentially occur in suitable habitat within the following rivers: Little,
 Pond, Rough, and Tradewater; and their larger tributaries.

Species profile: https://ecos.fws.gov/ecp/species/527

General project design guidelines:

https://ipac.ecosphere.fws.gov/project/O6IGFT3VNRGHDMT6746JOZNOYA/documents/generated/5639.pdf

Pink Mucket (pearlymussel) Lampsilis abrupta

Endangered

No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/7829

General project design guidelines:

 $\frac{https://ipac.ecosphere.fws.gov/project/O6IGFT3VNRGHDMT6746JOZNOYA/documents/generated/5639.pdf}{}$

INSECTS

NAME STATUS

Monarch Butterfly Danaus plexippus

Candidate

No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9743

CRITICAL HABITATS

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

YOU ARE STILL REQUIRED TO DETERMINE IF YOUR PROJECT(S) MAY HAVE EFFECTS ON ALL ABOVE LISTED SPECIES.

Project code: 2024-0112234 08/20/2024 15:35:02 UTC

IPAC USER CONTACT INFORMATION

Agency: State of Kentucky
Name: Jennifer Oberlin
Address: 1231 Louisville Road

City: Frankfort

State: KY Zip: 40601

Email joberlin@kyhousing.org

Phone: 5025647630

LEAD AGENCY CONTACT INFORMATION

Lead Agency: Department of Housing and Urban Development



United States Department of the Interior



FISH AND WILDLIFE SERVICE

Kentucky Ecological Services Field Office J C Watts Federal Building, Room 265 330 West Broadway Frankfort, KY 40601-8670

Phone: (502) 695-0467 Fax: (502) 695-1024 Email Address: kentuckyes@fws.gov

In Reply Refer To: 07/05/2024 20:23:16 UTC

Project code: 2024-0112234

Project Name: Harper Village - Madisonville, Kentucky

Subject: Consistency letter for the project named 'Harper Village - Madisonville, Kentucky' for

specified threatened and endangered species that may occur in your proposed project

location consistent with the Kentucky Determination Key (DKey)

Dear Suzanne Arnzen:

The U.S. Fish and Wildlife Service (Service) received on **July 05, 2024** your effect determination(s) for the 'Harper Village - Madisonville, Kentucky' (Action) using the Kentucky (DKey) within the Information for Planning and Consultation (IPaC) system. The Service developed this system in accordance with the Endangered Species Act of 1973 (ESA) (87 Stat. 884, as amended; 16 U.S.C. 1531 et seq.).

You have agreed to the following conservation measures:

• The project proponent will complete all excavation and grading and put BMPs in place to stabilize all excavated and graded areas within 1 month.

Based on your answers and the assistance of the Service's Kentucky DKey, you made the following effect determination(s) for the proposed Action:

Species	Listing Status	Determination
Clubshell (<i>Pleurobema clava</i>)	Endangered	No effect
Fanshell (Cyprogenia stegaria)	Endangered	No effect
Gray Bat (Myotis grisescens)	Endangered	No effect
Northern Riffleshell (<i>Epioblasma rangiana</i>)	Endangered	No effect
Pink Mucket (pearlymussel) (Lampsilis abrupta)	Endangered	No effect

Consultation Status

No Effect Determinations: Species with No effect determinations are those for which you determined the proposed Action would have "no effect" on the species. There is no statutory

requirement for the federal action agency to request concurrence with that determination; however, the federal action agency should document the supporting information for this determination in their files. This documentation would typically demonstrate a lack of suitable habitat within the action area, show that no impacts to suitable habitat would occur, or provide information that the species is not reasonably certain to occur in the action area even though

Coordination with the Kentucky Ecological Services Office is complete. Thank you for considering Federally listed species during your project planning.

The Service recommends that your agency contact the Kentucky Ecological Services Field Office or re-evaluate the Action in IPaC if: 1) the scope, timing, duration, or location of the Action changes, 2) new information reveals the Action may affect listed species or designated critical habitat, or 3) a new species is listed or critical habitat designated. If any of the above conditions occurs, additional consultation with the Kentucky Ecological Services Field Office should take place before project changes are final or resources committed.

The following species and/or critical habitats may also occur in your project area and **are not** covered by this conclusion:

• Indiana Bat *Myotis sodalis* Endangered

Project code: 2024-0112234

suitable habitat is present.

- Monarch Butterfly Danaus plexippus Candidate
- Northern Long-eared Bat *Myotis septentrionalis* Endangered
- Whooping Crane *Grus americana* Experimental Population, Non-Essential

To address effects to other federally listed or proposed species and/or their designated critical habitat, you can request project-specific review by following the instructions in the "Next Steps" section of your species list letter, or you may use another determination key, if available.

Additional Coordination

To request additional technical assistance or consultation, please contact the Kentucky Ecological Services Field Office . When you contact the office, please provide all relevant site-specific information regarding the proposed Action. The Kentucky Ecological Services Field Office will respond within 30 to 60 days of your submittal.

Action Description

You provided to IPaC the following name and description for the subject Action.

1. Name

Harper Village - Madisonville, Kentucky

2. Description

The following description was provided for the project 'Harper Village - Madisonville, Kentucky':

Construction of affordable housing.

The approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/@37.3371437,-87.51253831856621,14z



QUALIFICATION INTERVIEW

1. Will the proposed Action involve Federal funding, permitting, or authorization, or will it be carried out by a Federal Agency?

Yes

2. Are you the lead Federal Action Agency or designated non-federal representative requesting concurrence on behalf of the lead Federal Action Agency?

No

3. [Hidden Semantic] Does the action area intersect critical habitat?

Automatically answered

No

4. Will the proposed Action involve construction or operation of wind turbines?

No

5. Will the proposed Action involve blasting (other than a fireworks display)?

No

6. Will the proposed Action involve a new point source discharge from a facility other than a water treatment plant or storm water system?

No

- 7. Will the proposed Action involve the creation of a new water-borne contaminant source (e.g. leachate pond, pits containing chemicals that are not NSF/ANSI 60 compliant)? No
- 8. Will the proposed Action include the removal, replacement, repair and/or maintenance of an existing bridge or culvert?

No

9. Will the proposed Action involve perennial stream loss that would require an individual permit under 404 of the Clean Water Act?

No

10. Will the proposed Action involve discharge of sediment into a stream?

No

11. Does the Action Area contain any caves (including their associated sinkholes, fissures, or other karst features), rockshelters, underground quarries, or abandoned mine portals (including associated underground workings)?

No

12. [Hidden Semantic] Does the Action Area intersect the Kentucky AOI of the gray bat?

Automatically answered

Yes

13. Will the proposed Action involve drilling or boring?

Yes

14. Prior to the drilling or boring, will the project proponent conduct appropriate preliminary evaluations to ensure that proposed drilling or boring is unlikely to encounter karst voids or other voids?

Yes

- 15. Will the project proponent contact the Field Office if potentially suitable gray bat hibernacula or roosting habitat is encountered during drilling or boring? Yes
- 16. Based on the responses you have provided, we believe that the proposed Action is consistent with the type of Actions programmatically evaluated by the Service's Kentucky Field Office under the standing analyses that support this determination key. These Actions typically conclude with "no effect" or "may affect - not likely to adversely affect" determinations for the gray bat.

What is your effect determination for the **gray bat**?

Note: IPaC will not provide a concurrence for "no effect" determinations, because there is no statutory requirement to request concurrence from the Service. IPaC will provide concurrence for "May affect – not likely to adversely affect" determinations. If you choose "May affect – likely to adversely affect" or "Unsure," additional coordination with the Service is recommended.

- 1. "No effect"
- 17. Will the proposed Action involve a new point source discharge into a stream or change an existing point source discharge (e.g., outfalls; leachate ponds)?

No

18. Will the proposed Action include any activities that would alter stream flow, such as hydropower energy production, impoundments, intake structures, diversion structures, and/ or turbines?

No

- 19. Will the proposed Action involve dredging or in-stream gravel mining? No
- 20. Will the proposed Action involve resource extraction (e.g., mining, oil/gas, logging), including exploration activities?

No

21. Will the proposed Action involve stream impacts (perennial or intermittent) that would require an individual permit under 404 of the Clean Water Act? No

22. Will the proposed Action involve activities that would contribute measureable nonpoint source pollution to streams (e.g., sediment, nutrients, etc.)? See the following EPA webpage for more examples of nonpoint source pollution and activities that can produce it: https:// www.epa.gov/nps/basic-information-about-nonpoint-source-nps-pollution

No

Project code: 2024-0112234

23. [Hidden Semantic] Does the action area include the 1/2-mile buffer of a stream or river in

Automatically answered

No

- 24. Will the proposed Action disturb the channel or bank of a perennial or intermittent stream?
- 25. Will the proposed Action disturb the channel or bank of an ephemeral stream? *No*

which any species covered under this key occurs or may occur?

26. Will the proposed Action involve vegetation removal within 200 feet of a perennial stream bank?

No

27. Will the proposed Action involve excavation or grading, including for the construction or improvement of an access road?

Yes

28. Are all areas proposed for excavation or grading situated more than 200 feet from the banks of perennial and intermittent streams?

Yes

29. Are any areas proposed for excavation or grading located in or partly in a "special flood hazard area" as designated by FEMA? You can determine this by searching for your project area at the FEMA Flood Map Service Center (https://msc.fema.gov/portal/home. For technical assistance please contact the Field Office listed in the letterhead of your project's official species list.

No

30. Will the excavation or grading create new water bars or ditches that will channel stormwater into a stream?

No

31. Will the project proponent complete all excavation and grading activities and subsequent soil stabilization measures within 1 month?

Yes

32. [Hidden Semantic] Does the project area intersect the AOI of the clubshell (*Pleurobema clava*)?

Automatically answered

Yes

33. Based on the responses you have provided, we believe that the proposed Action is consistent with the type of Actions programmatically evaluated by the Service's Kentucky Field Office under the standing analyses that support this determination key. These Actions typically conclude with "no effect" or "may affect - not likely to adversely affect" determinations for the clubshell.

What determination do you want to make for the **clubshell**:

Note: IPaC will not provide a concurrence for "no effect" determinations, because there is no statutory requirement to request concurrence from the Service. IPaC will provide concurrence for "May affect – not likely to adversely affect" determinations. If you choose "May affect – likely to adversely affect" or "Unsure," additional coordination with the Service is recommended.

1. "No effect"

Project code: 2024-0112234

34. [Hidden Semantic] Does the project area intersect the AOI of the fanshell (*Cyprogenia stegaria*)?

Automatically answered

Yes

35. Based on the responses you have provided, we believe that the proposed Action is consistent with the type of Actions programmatically evaluated by the Service's Kentucky Field Office under the standing analyses that support this determination key. These Actions typically conclude with "no effect" or "may affect - not likely to adversely affect" determinations for the fanshell.

What is your effect determination for the **fanshell**:

Note: IPaC will not provide a concurrence for "no effect" determinations, because there is no statutory requirement to request concurrence from the Service. IPaC will provide concurrence for "May affect – not likely to adversely affect" determinations. If you choose "May affect – likely to adversely affect" or "Unsure," additional coordination with the Service is recommended.

- 1. "No effect"
- 36. [Hidden Semantic] Does the project area intersect the AOI of the northern riffleshell (*Epioblasma torulosa rangiana*)?

Automatically answered

Yes

37. Based on the responses you have provided, we believe that the proposed Action is consistent with the type of Actions programmatically evaluated by the Service's Kentucky Field Office under the standing analyses that support this determination key. These Actions typically conclude with "no effect" or "may affect - not likely to adversely affect" determinations for the northern riffleshell.

What is your effect determination for the **northern riffleshell**:

Note: IPaC will not provide a concurrence for "no effect" determinations, because there is no statutory requirement to request concurrence from the Service. IPaC will provide concurrence for "May affect – not likely to adversely affect" determinations. If you choose "May affect – likely to adversely affect" or "Unsure," additional coordination with the Service is recommended.

- 1. "No effect"
- 38. [Hidden Semantic] Does the project area intersect the AOI of the pink mucket (*Lampsilis abrupta*)?

Automatically answered Yes

39. Based on the responses you have provided, we believe that the proposed Action is consistent with the type of Actions programmatically evaluated by the Service's Kentucky Field Office under the standing analyses that support this determination key. These Actions typically conclude with "no effect" or "may affect - not likely to adversely affect"

What is your effect determination for the **pink mucket**:

determinations for the pink mucket.

Note: IPaC will not provide a concurrence for "no effect" determinations, because there is no statutory requirement to request concurrence from the Service. IPaC will provide concurrence for "May affect – not likely to adversely affect" determinations. If you choose "May affect – likely to adversely affect" or "Unsure," additional coordination with the Service is recommended.

1. "No effect"

07/05/2024 20:23:16 UTC

07/05/2024 20:23:16 UTC

IPAC USER CONTACT INFORMATION

Agency: **Private Entity** Name: Suzanne Arnzen

Address: 11450 Watterson Court

Address Line 2: Suite 200 City: Louisville

State: KY 40299 Zip:

Email sarnzen@cmecenvironmental.com

Phone: 5024890850

LEAD AGENCY CONTACT INFORMATION

Lead Agency: Department of Housing and Urban Development



United States Department of the Interior



FISH AND WILDLIFE SERVICE

Kentucky Ecological Services Field Office J C Watts Federal Building, Room 265 330 West Broadway Frankfort, KY 40601-8670

Phone: (502) 695-0467 Fax: (502) 695-1024 Email Address: <u>kentuckyes@fws.gov</u>

In Reply Refer To: 08/09/2024 00:04:18 UTC

Project code: 2024-0112234

Project Name: Harper Village - Madisonville, Kentucky

Subject: Consistency letter for the project named 'Harper Village - Madisonville, Kentucky' for

the endangered Indiana bat and its critical habitat in the proposed project location,

pursuant to the Indiana Bat Determination Key (DKey)

Dear Suzanne Arnzen:

The U.S. Fish and Wildlife Service (Service) received on **August 09, 2024** your effect determination(s) for the 'Harper Village - Madisonville, Kentucky' using the Indiana Bat DKey within the Information for Planning and Consultation (IPaC) system. The Service developed this system in accordance with the Endangered Species Act of 1973 (ESA) (87 Stat.884, as amended; 16 U.S.C. 1531 et seq.).

Based on your answers and the assistance of the Service's Indiana Bat DKey, you made the following effect determination(s) for the proposed Action:

SpeciesListing StatusDeterminationIndiana Bat (Myotis sodalis)EndangeredNo effect

Consultation Status

No Effect Determinations: : Species with No effect determinations are those for which you determined the proposed Action would have "no effect" on the species. There is no statutory requirement for the federal action agency to request concurrence with that determination; however, the federal action agency should document the supporting information for this determination in their files. This documentation would typically demonstrate a lack of suitable habitat within the action area, show that no impacts to suitable habitat would occur, or provide information that the species is not reasonably certain to occur in the action area even though suitable habitat is present.

The Service recommends that your agency contact the Kentucky Ecological Services Field Office or re-evaluate the Action in IPaC if: 1) the scope, timing, duration, or location of the Action changes, 2) new information reveals the Action may affect listed species or designated critical habitat, or 3) a new species is listed or critical habitat designated. If any of the above conditions occurs, additional consultation with the Kentucky Ecological Services Field Office should take place before project changes are final or resources committed.

In addition to the Indiana bat, the following species and/or critical habitats may also occur in your project area and **are not** covered by this conclusion:

- Clubshell *Pleurobema clava* Endangered
- Fanshell *Cyprogenia stegaria* Endangered
- Gray Bat *Myotis grisescens* Endangered
- Monarch Butterfly Danaus plexippus Candidate
- Northern Riffleshell *Epioblasma rangiana* Endangered
- Pink Mucket (pearlymussel) *Lampsilis abrupta* Endangered
- Whooping Crane *Grus americana* Experimental Population, Non-Essential

To address effects to other federally listed or proposed species and/or their designated critical habitat, you can request project-specific review by following the instructions in the "Next Steps" section of your species list letter, or you may use another determination key, if available.

Additional Coordination

To request additional technical assistance or consultation, please contact the Kentucky Ecological Services Field Office. When you contact the office, please provide all relevant site-specific information regarding the proposed Action. The Kentucky Ecological Services Field Office will respond within 30 to 60 days of your submittal.

Action Description

You provided to IPaC the following name and description for the subject Action.

1. Name

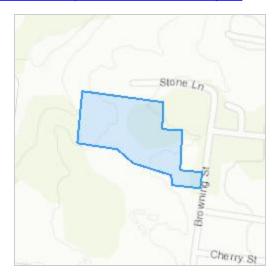
Harper Village - Madisonville, Kentucky

2. Description

The following description was provided for the project 'Harper Village - Madisonville, Kentucky':

Construction of affordable housing.

The approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/@37.3371437,-87.51253831856621,14z



QUALIFICATION INTERVIEW

1. Will the proposed action involve Federal funding, permitting, or authorization, or will it be carried out by a Federal Agency?

Yes

No

2. Is the Federal Highway Administration (FHWA), Federal Railroad Administration (FRA), or Federal Transit Administration (FTA) the lead Federal Agency for this action.

3. Are you the lead Federal Action Agency or designated non-federal representative requesting concurrence on behalf of the lead Federal Action Agency?

No

4. [Semantic] Is the Action Area within 1/2-mile of a known Indiana bat hibernaculum?

Note: The map queried for this question contains proprietary information and cannot be displayed. If you need additional information, please contact the Field Office listed in the letterhead of this letter.

Automatically answered

No

5. Will the proposed Action involve construction or operation of wind turbines? *No*

6. Will the proposed Action involve blasting, other than a fireworks display? *No*

7. Will the proposed Action involve a new point source discharge from a facility other than a water treatment plant or storm water system?

No

8. Will the proposed Action involve the creation of a new water-borne contaminant source (e.g., leachate pond, pits containing chemicals that are not NSF/ANSI 60 compliant)?

Note: For information regarding NSF/ANSI 60 please visit https://www.nsf.org/knowledge-library/nsf-ansi-standard-60-drinking-water-treatment-chemicals-health-effects

No

9. Will the proposed Action include the removal, replacement, repair and/or maintenance of an existing bridge?

No

10. Will the proposed Action involve perennial stream loss that would require an individual permit under 404 of the Clean Water Act?

No

11. Will the proposed Action involve discharge of sediment into a stream?

No

Project code: 2024-0112234 IPaC Record Locator: 930-145854480

08/09/2024 00:04:18 UTC

12. Does the Action Area contain any caves (including their associated sinkholes, fissures, or other karst features), rockshelters, underground quarries, or abandoned mine portals (including associated underground workings)?

No

13. Will the proposed project result in the removal of trees?

14. Based on the responses you have provided, we believe that the proposed Action is consistent with the type of Actions programmatically evaluated by the Service under the standing analyses that supports this determination key. These Actions typically conclude with "no effect" or "may affect - not likely to adversely affect" determinations for the Indiana bat.

What determination do you want to make for the Indiana bat:

Note: IPaC will not provide a concurrence for "no effect" determinations, because there is no statutory requirement to request concurrence from the Service. IPaC will provide concurrence for "May affect – not likely to adversely affect" determinations. If you choose "May affect - likely to adversely affect" or "Unsure," additional coordination with the Service is recommended.

No effect

IPAC USER CONTACT INFORMATION

Agency: **Private Entity** Name: Suzanne Arnzen

Address: 11450 Watterson Court

Address Line 2: Suite 200 City: Louisville

State: KY 40299 Zip:

Email sarnzen@cmecenvironmental.com

Phone: 5024890850

LEAD AGENCY CONTACT INFORMATION

Lead Agency: Department of Housing and Urban Development

Jennifer Oberlin

From: Jennifer Oberlin

Sent: Tuesday, August 20, 2024 12:42 PM **To:** sarnzen@cmecenvironmental.com

Subject: Question - Endangered Species Consult - Harper Village - 8/20/2024

Importance: High

Hey Suzanne! Hope all is well.

I was working on the requested THPO/Endangered consultations for Harper Village and have developed the following question.

I noticed on the Consistency Letter for the KY Determination Key in IPAC that you indicated a "No effect" determination for the following species:

- Clubshell (clams)
- Fanshell (clams)
- Northern Riffleshell (clams)
- Pink Mucket (mussel)
- Gray Bat

I also see that you agreed to the following conservation measures:

 The project proponent will complete all excavation and grading and put BMP's in place to stabilize all excavated and graded areas within 1 month

Can you confirm this with the project engineer or whoever is responsible and get it in writing from them? I asks this because I have had project leads tell me before that it is impossible to complete all excavation and grading in a month for a project of this scale.

I would like to have it in writing from them. Please advise.

Thanks, Jen

Jennifer Oberlin

Pronouns: (she/her)
Environmental Review Technical Administrator
Kentucky Housing Corporation
1231 Louisville Rd.
Frankfort, KY 40601
502-564-7630 (121)
joberlin@kyhousing.org
www.kyhousing.org



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P.O. Box 556 Leitchfield, KY 42755-0556 Tel. (270) 259-5607 Fax (270) 259-6071

August 20, 2024

Kentucky Fish and Wildlife Service Kentucky Ecological Services Field Office JC Watts Federal Building, Room 265 330 West Broadway Frankfort, Kentucky 40601-8670 Phone (502) 695-0467 Fax (502) 695-1024 kentuckyes@fws.gov

Re: Smiley Terrace – 1295 Glass Avenue Hopkinsville, Kentucky Tracey Terrace – 1525 Cuba Road Mayfield, Kentucky Canon Court – 13500 Nortonville Road Dawson Springs, Kentucky

Harper Village – 445 Browning Street Madisonville, Kentucky Garrison Gardens – 1221 Crewdson Drive Bowling Green, Kentucky LifeWorks Annex – 1176 Adams Street Bowling Green, Kentucky

To Whom it May Concern

Wabuck Development Company (Wabuck) was selected as a developer as part of the governor of Kentucky's Western Kentucky Disaster Recovery. As such, the above noted projects include new construction of multi-family housing (some modular). All six projects listed above will complete all excavations and grading and put in Best Management Practices (BMPs) to stabilize all excavated and graded areas within 1 month.

Feel free to contact April Bowman at 270-259-9361 or at april.bowman@wabuck.com if you have any questions or require additional information.

Respectfully submitted,

April Bowman

Wabuck Development Company, Inc.

From: Peters, Jennifer (DLG)

To: Bishop, Seth R

 Cc:
 sarnzen@cmecenvironmental.com; Jennifer Oberlin; Weber, Travis A (DLG)

 Subject:
 FW: WKY Recovery Joint Projects Fish and Wildlife (Harper Village Madisonville, KY)

Date: Wednesday, October 30, 2024 8:25:49 AM

Attachments: <u>image001.png</u>

HarperVillage USFWS FNL.pdf

CAUTION PDF attachments may contain links to malicious sites. Please contact the COT Service Desk Service Desk ServiceCorrespondence@ky.gov for any assistance.

Good Afternoon Seth

Please consider this email as notification that the Kentucky Department for Local Government (DLG) is adopting the Kentucky Housing Corporation's Environmental Review for the project listed below:

Harper Village | HUD Investment Partnership, Multi-Family Development Approximately 445 Browning Street Madisonville, Hopkins Co., Kentucky 37.3369213660046, -87.51271366867289

This Environmental Review is being adopted by DLG and the scope of work remains unchanged.

The original correspondence with your office is attached to this notification.

Please confirm receipt of this notification and if your office has any concerns, please let us know as soon as possible via phone or email to the undersigned.

Respectfully submitted,

Jennifer Peters
Branch Manager
CDBG Public Facilities
Office of the Governor
Department for Local Government

100 Airport Road 3^{rd} Floor

Frankfort, KY 40601

Receptionist: 502-573-2382 Direct line: 502-892-3469

jennifer.peters@kv.gov



Jennifer Oberlin

From: Bishop, Seth R <seth_bishop@fws.gov>
Sent: Monday, September 23, 2024 1:44 PM

To: Jennifer Oberlin

Subject: FWS 2024-0112234; Harper Village-Madisonville, Kentucky, Hopkins Co., KY

EXTERNAL EMAIL: Do not click links or open attachments unless you recognize the sender and know the content is safe.

Jen,

Thank you for submitting information for the subject project to our office. According to this information, you used the Indiana Bat and Kentucky Statewide determination keys on the Service's Information for Planning and Consultation website to evaluate potential effects from the proposed project to the gray bat (*Myotis grisescens*), Indiana bat (*Myotis sodalis*), clubshell (*Pleurobema clava*), fanshell (*Cyprogenia stegaria*), northern riffleshell (*Epioblasma rangiana*), and pink mucket (*Lampsilis abrupta*). Based on your answers, the determination key concluded the project is unlikely to have any detrimental effects to these species. Therefore, you determined that the proposed project will have "no effect" on these species. There is no requirement to request concurrence with "no effect" determinations; however, the KFO acknowledges these determinations and has no additional comments or concerns regarding these species. The consistency letters generated by the determination keys serve as documentation of your consideration of listed species and critical habitat for the proposed project and should be retained for your records.

No further coordination with the Service is necessary at this time. Additional coordination may be necessary if: (1) new information reveals that the proposed project may affect listed species or critical habitat in a manner or to an extent not considered, (2) the proposed action is subsequently modified to include activities which were not considered, or (3) new species are listed or critical habitat designated.

Let me know if you have questions or need additional assistance for this project.

Thanks, Seth

Seth R. Bishop Fish and Wildlife Biologist U.S. Fish and Wildlife Service Kentucky Field Office 330 West Broadway, Room 265 Frankfort, KY 40601 (502) 545-4532

Jennifer Oberlin

From: Jennifer Oberlin

Sent: Friday, August 23, 2024 10:55 AM

To: KentuckyES, FW4

Subject: IPAC Project Code: 2024-0112234 - Harper Village - 445 Browning Street, Madisonville, Hopkins

County, KY - (37.3369, -87.5127)

Attachments: HarperVillage_SpeciesList.pdf; ConsistencyLtr_lBat.pdf; ConsistencyLtr_KYDeterminationKey.pdf;

HarperVillage_Photos.pdf

The Kentucky Housing Corporation (KHC) obtained an Official Species List (attached) for the subject property using the USFWS Information for Planning and Consultation (IPAC). According to the Official Species List a total of eight (8) federally-listed species have the potential to be present within the project area. There are no critical habitats within the project area.

The developer indicates that they will complete all excavation and grading and put BMP's in place to stabilize all excavated and graded areas within 1 month.

Find a chart below that highlights KHC's determinations regarding our proposed actions and the species.

Species:	KHC Determination:	Notes/Consultation Status:	
Gray Bat	May Affect, Not Likely to	This location provides suitable	
	Adversely Affect.	habitat for this species. USFWS	
		KFO technical assistance	
		requested.	
Indiana Bat	May Affect, Not Likely to	This location provides suitable	
	Adversely Affect.	habitat for this species. USFWS	
		KFO technical assistance	
		requested.	
Whooping Crane	No effect.	No suitable habitat present.	
Clubshell	No effect.	No suitable habitat present.	
Fanshell	No effect.	No suitable habitat present.	
Northern Riffleshell	No effect.	No suitable habitat present.	
Pink Mucket	No effect.	No suitable habitat present.	
Monarch Butterfly	No effect.	No suitable habitat present.	

Please find attached the official species list and consistency letters for your review. The last attachment contains site photos and other info that may assist you with your determination.

Feel free to contact me with any questions!

Thanks, Jen

Jennifer Oberlin

Pronouns: (she/her)

Environmental Review Technical Administrator

Kentucky Housing Corporation 1231 Louisville Rd. Frankfort, KY 40601 502-564-7630 (121) joberlin@kyhousing.org www.kyhousing.org



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001

Photo Date: 07/08/2024





Photo No: 002

Photo Date:





Photo No:

003

Photo Date:







Photo No:

004





Photo No:

005

Photo Date: 07/08/2024





Photo No: 006





Photo No: 007

Photo Date: 07/08/2024





Photo No: 008





Photo No: 009

Photo Date: 07/08/2024





Photo No: 010







011

Photo Date: 07/08/2024





Photo No:

012





Photo No:

013

Photo Date: 07/08/2024





Photo No:

014







015

Photo Date: 07/08/2024





Photo No:

016





Photo No:

017

Photo Date: 07/08/2024





Photo No:

018





Photo No: 019

Photo Date: 07/08/2024





Photo No:

020





Photo No:

021

Photo Date: 07/08/2024





Photo No:

022





Photo No:

023

Photo Date: 07/08/2024





Photo No:

024





Photo No:

025

Photo Date: 07/08/2024





Photo No:

026





Photo No:

027

Photo Date: 07/08/2024





Photo No:

028







Figure 3. Overview of APE facing west from STP D2.



Figure 4. Overview of APE facing southwest from the center of the APE.



Figure 7. Overview of the APE facing south from STP G6.



United States Department of the Interior



FISH AND WILDLIFE SERVICE

Kentucky Ecological Services Field Office J C Watts Federal Building, Room 265 330 West Broadway Frankfort, KY 40601-8670

Phone: (502) 695-0467 Fax: (502) 695-1024 Email Address: <u>kentuckyes@fws.gov</u>

In Reply Refer To: 08/20/2024 15:35:02 UTC

Project Code: 2024-0112234

Project Name: Harper Village - Madisonville, Kentucky

Subject: List of threatened and endangered species that may occur in your proposed project

location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the

human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2) (c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

Project code: 2024-0112234

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

https://www.fws.gov/sites/default/files/documents/endangered-species-consultation-handbook.pdf

Migratory Birds: In addition to responsibilities to protect threatened and endangered species under the Endangered Species Act (ESA), there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity, intentional or unintentional, resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the U.S. Fish and Wildlife Service (50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)). For more information regarding these Acts, see https://www.fws.gov/program/migratory-bird-permit/what-we-do..

The MBTA has no provision for allowing take of migratory birds that may be unintentionally killed or injured by otherwise lawful activities. It is the responsibility of the project proponent to comply with these Acts by identifying potential impacts to migratory birds and eagles within applicable NEPA documents (when there is a federal nexus) or a Bird/Eagle Conservation Plan (when there is no federal nexus). Proponents should implement conservation measures to avoid or minimize the production of project-related stressors or minimize the exposure of birds and their resources to the project-related stressors. For more information on avian stressors and recommended conservation measures, see https://www.fws.gov/library/collections/threats-birds.

In addition to MBTA and BGEPA, Executive Order 13186: *Responsibilities of Federal Agencies to Protect Migratory Birds*, obligates all Federal agencies that engage in or authorize activities that might affect migratory birds, to minimize those effects and encourage conservation measures that will improve bird populations. Executive Order 13186 provides for the protection of both migratory birds and migratory bird habitat. For information regarding the implementation of Executive Order 13186, please visit https://www.fws.gov/partner/council-conservation-migratory-birds.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Code in the header of

this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

• Official Species List

OFFICIAL SPECIES LIST

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Kentucky Ecological Services Field Office

J C Watts Federal Building, Room 265 330 West Broadway Frankfort, KY 40601-8670 (502) 695-0467

PROJECT SUMMARY

Project Code: 2024-0112234

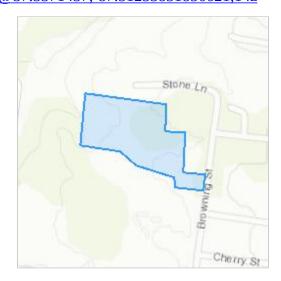
Project Name: Harper Village - Madisonville, Kentucky

Project Type: Residential Construction

Project Description: Construction of affordable housing.

Project Location:

The approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/@37.3371437,-87.51253831856621,14z



Counties: Hopkins County, Kentucky

ENDANGERED SPECIES ACT SPECIES

Project code: 2024-0112234

There is a total of 8 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species. Note that 5 of these species should be considered only under certain conditions.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

1. <u>NOAA Fisheries</u>, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

Project code: 2024-0112234 08/20/2024 15:35:02 UTC

MAMMALS

NAME STATUS

Gray Bat Myotis grisescens

Endangered

No critical habitat has been designated for this species.

This species only needs to be considered under the following conditions:

• The project area includes potential gray bat habitat.

Species profile: https://ecos.fws.gov/ecp/species/6329

General project design guidelines:

https://ipac.ecosphere.fws.gov/project/O6IGFT3VNRGHDMT6746JOZNOYA/documents/generated/6422.pdf

Indiana Bat Myotis sodalis

Endangered

There is **final** critical habitat for this species. Your location does not overlap the critical habitat.

This species only needs to be considered under the following conditions:

 The project area includes 'potential' habitat. All activities in this location should consider possible effects to this species.

Species profile: https://ecos.fws.gov/ecp/species/5949

General project design guidelines:

https://ipac.ecosphere.fws.gov/project/O6IGFT3VNRGHDMT6746JOZNOYA/documents/generated/6422.pdf

BIRDS

NAME STATUS

Whooping Crane *Grus americana*

Experimental Population,

Population: U.S.A. (AL, AR, CO, FL, GA, ID, IL, IN, IA, KY, LA, MI, MN, MS, MO, NC, NM, OH, SC, TN, UT, VA, WI, WV, western half of WY)

No critical habitat has been designated for this species.

Non-Essential

Species profile: https://ecos.fws.gov/ecp/species/758

CLAMS

NAME STATUS

Clubshell Pleurobema clava

Endangered

Population: Wherever found; Except where listed as Experimental Populations

No critical habitat has been designated for this species.

This species only needs to be considered under the following conditions:

The species may potentially occur in suitable habitat within the following rivers: Little,
 Pond, Rough, and Tradewater; and their larger tributaries.

Species profile: https://ecos.fws.gov/ecp/species/3789

General project design guidelines:

https://ipac.ecosphere.fws.gov/project/O6IGFT3VNRGHDMT6746JOZNOYA/documents/generated/5639.pdf

Fanshell *Cyprogenia stegaria*

Endangered

No critical habitat has been designated for this species.

This species only needs to be considered under the following conditions:

The species may potentially occur in suitable habitat within the following rivers: Little,
 Pond, Rough, and Tradewater; and their larger tributaries.

Project code: 2024-0112234 08/20/2024 15:35:02 UTC

NAME STATUS

Species profile: https://ecos.fws.gov/ecp/species/4822

General project design guidelines:

https://ipac.ecosphere.fws.gov/project/O6IGFT3VNRGHDMT6746JOZNOYA/documents/generated/5639.pdf

Northern Riffleshell *Epioblasma rangiana*

Endangered

No critical habitat has been designated for this species.

This species only needs to be considered under the following conditions:

The species may potentially occur in suitable habitat within the following rivers: Little,
 Pond, Rough, and Tradewater; and their larger tributaries.

Species profile: https://ecos.fws.gov/ecp/species/527

General project design guidelines:

https://ipac.ecosphere.fws.gov/project/O6IGFT3VNRGHDMT6746JOZNOYA/documents/generated/5639.pdf

Pink Mucket (pearlymussel) Lampsilis abrupta

Endangered

No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/7829

General project design guidelines:

 $\frac{https://ipac.ecosphere.fws.gov/project/O6IGFT3VNRGHDMT6746JOZNOYA/documents/generated/5639.pdf}{}$

INSECTS

NAME STATUS

Monarch Butterfly Danaus plexippus

Candidate

No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9743

CRITICAL HABITATS

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

YOU ARE STILL REQUIRED TO DETERMINE IF YOUR PROJECT(S) MAY HAVE EFFECTS ON ALL ABOVE LISTED SPECIES.

Project code: 2024-0112234 08/20/2024 15:35:02 UTC

IPAC USER CONTACT INFORMATION

Agency: State of Kentucky
Name: Jennifer Oberlin
Address: 1231 Louisville Road

City: Frankfort

State: KY Zip: 40601

Email joberlin@kyhousing.org

Phone: 5025647630

LEAD AGENCY CONTACT INFORMATION

Lead Agency: Department of Housing and Urban Development



United States Department of the Interior



FISH AND WILDLIFE SERVICE

Kentucky Ecological Services Field Office J C Watts Federal Building, Room 265 330 West Broadway Frankfort, KY 40601-8670

Phone: (502) 695-0467 Fax: (502) 695-1024 Email Address: kentuckyes@fws.gov

In Reply Refer To: 07/05/2024 20:23:16 UTC

Project code: 2024-0112234

Project Name: Harper Village - Madisonville, Kentucky

Subject: Consistency letter for the project named 'Harper Village - Madisonville, Kentucky' for

specified threatened and endangered species that may occur in your proposed project

location consistent with the Kentucky Determination Key (DKey)

Dear Suzanne Arnzen:

The U.S. Fish and Wildlife Service (Service) received on **July 05, 2024** your effect determination(s) for the 'Harper Village - Madisonville, Kentucky' (Action) using the Kentucky (DKey) within the Information for Planning and Consultation (IPaC) system. The Service developed this system in accordance with the Endangered Species Act of 1973 (ESA) (87 Stat. 884, as amended; 16 U.S.C. 1531 et seq.).

You have agreed to the following conservation measures:

• The project proponent will complete all excavation and grading and put BMPs in place to stabilize all excavated and graded areas within 1 month.

Based on your answers and the assistance of the Service's Kentucky DKey, you made the following effect determination(s) for the proposed Action:

Species	Listing Status	Determination
Clubshell (<i>Pleurobema clava</i>)	Endangered	No effect
Fanshell (Cyprogenia stegaria)	Endangered	No effect
Gray Bat (Myotis grisescens)	Endangered	No effect
Northern Riffleshell (<i>Epioblasma rangiana</i>)	Endangered	No effect
Pink Mucket (pearlymussel) (Lampsilis abrupta)	Endangered	No effect

Consultation Status

No Effect Determinations: Species with No effect determinations are those for which you determined the proposed Action would have "no effect" on the species. There is no statutory

requirement for the federal action agency to request concurrence with that determination; however, the federal action agency should document the supporting information for this determination in their files. This documentation would typically demonstrate a lack of suitable habitat within the action area, show that no impacts to suitable habitat would occur, or provide information that the species is not reasonably certain to occur in the action area even though

Coordination with the Kentucky Ecological Services Office is complete. Thank you for considering Federally listed species during your project planning.

The Service recommends that your agency contact the Kentucky Ecological Services Field Office or re-evaluate the Action in IPaC if: 1) the scope, timing, duration, or location of the Action changes, 2) new information reveals the Action may affect listed species or designated critical habitat, or 3) a new species is listed or critical habitat designated. If any of the above conditions occurs, additional consultation with the Kentucky Ecological Services Field Office should take place before project changes are final or resources committed.

The following species and/or critical habitats may also occur in your project area and **are not** covered by this conclusion:

• Indiana Bat *Myotis sodalis* Endangered

Project code: 2024-0112234

suitable habitat is present.

- Monarch Butterfly Danaus plexippus Candidate
- Northern Long-eared Bat *Myotis septentrionalis* Endangered
- Whooping Crane *Grus americana* Experimental Population, Non-Essential

To address effects to other federally listed or proposed species and/or their designated critical habitat, you can request project-specific review by following the instructions in the "Next Steps" section of your species list letter, or you may use another determination key, if available.

Additional Coordination

To request additional technical assistance or consultation, please contact the Kentucky Ecological Services Field Office . When you contact the office, please provide all relevant site-specific information regarding the proposed Action. The Kentucky Ecological Services Field Office will respond within 30 to 60 days of your submittal.

Action Description

You provided to IPaC the following name and description for the subject Action.

1. Name

Harper Village - Madisonville, Kentucky

2. Description

The following description was provided for the project 'Harper Village - Madisonville, Kentucky':

Construction of affordable housing.

The approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/@37.3371437,-87.51253831856621,14z



QUALIFICATION INTERVIEW

1. Will the proposed Action involve Federal funding, permitting, or authorization, or will it be carried out by a Federal Agency?

Yes

2. Are you the lead Federal Action Agency or designated non-federal representative requesting concurrence on behalf of the lead Federal Action Agency?

No

3. [Hidden Semantic] Does the action area intersect critical habitat?

Automatically answered

No

4. Will the proposed Action involve construction or operation of wind turbines?

No

5. Will the proposed Action involve blasting (other than a fireworks display)?

No

6. Will the proposed Action involve a new point source discharge from a facility other than a water treatment plant or storm water system?

No

- 7. Will the proposed Action involve the creation of a new water-borne contaminant source (e.g. leachate pond, pits containing chemicals that are not NSF/ANSI 60 compliant)? No
- 8. Will the proposed Action include the removal, replacement, repair and/or maintenance of an existing bridge or culvert?

No

9. Will the proposed Action involve perennial stream loss that would require an individual permit under 404 of the Clean Water Act?

No

10. Will the proposed Action involve discharge of sediment into a stream?

No

11. Does the Action Area contain any caves (including their associated sinkholes, fissures, or other karst features), rockshelters, underground quarries, or abandoned mine portals (including associated underground workings)?

No

12. [Hidden Semantic] Does the Action Area intersect the Kentucky AOI of the gray bat?

Automatically answered

Yes

13. Will the proposed Action involve drilling or boring?

Yes

14. Prior to the drilling or boring, will the project proponent conduct appropriate preliminary evaluations to ensure that proposed drilling or boring is unlikely to encounter karst voids or other voids?

Yes

- 15. Will the project proponent contact the Field Office if potentially suitable gray bat hibernacula or roosting habitat is encountered during drilling or boring? Yes
- 16. Based on the responses you have provided, we believe that the proposed Action is consistent with the type of Actions programmatically evaluated by the Service's Kentucky Field Office under the standing analyses that support this determination key. These Actions typically conclude with "no effect" or "may affect - not likely to adversely affect" determinations for the gray bat.

What is your effect determination for the **gray bat**?

Note: IPaC will not provide a concurrence for "no effect" determinations, because there is no statutory requirement to request concurrence from the Service. IPaC will provide concurrence for "May affect – not likely to adversely affect" determinations. If you choose "May affect – likely to adversely affect" or "Unsure," additional coordination with the Service is recommended.

- 1. "No effect"
- 17. Will the proposed Action involve a new point source discharge into a stream or change an existing point source discharge (e.g., outfalls; leachate ponds)?

No

18. Will the proposed Action include any activities that would alter stream flow, such as hydropower energy production, impoundments, intake structures, diversion structures, and/ or turbines?

No

- 19. Will the proposed Action involve dredging or in-stream gravel mining? No
- 20. Will the proposed Action involve resource extraction (e.g., mining, oil/gas, logging), including exploration activities?

No

21. Will the proposed Action involve stream impacts (perennial or intermittent) that would require an individual permit under 404 of the Clean Water Act? No

22. Will the proposed Action involve activities that would contribute measureable nonpoint source pollution to streams (e.g., sediment, nutrients, etc.)? See the following EPA webpage for more examples of nonpoint source pollution and activities that can produce it: https:// www.epa.gov/nps/basic-information-about-nonpoint-source-nps-pollution

No

Project code: 2024-0112234

23. [Hidden Semantic] Does the action area include the 1/2-mile buffer of a stream or river in

Automatically answered

No

- 24. Will the proposed Action disturb the channel or bank of a perennial or intermittent stream?
- 25. Will the proposed Action disturb the channel or bank of an ephemeral stream? *No*

which any species covered under this key occurs or may occur?

26. Will the proposed Action involve vegetation removal within 200 feet of a perennial stream bank?

No

27. Will the proposed Action involve excavation or grading, including for the construction or improvement of an access road?

Yes

28. Are all areas proposed for excavation or grading situated more than 200 feet from the banks of perennial and intermittent streams?

Yes

29. Are any areas proposed for excavation or grading located in or partly in a "special flood hazard area" as designated by FEMA? You can determine this by searching for your project area at the FEMA Flood Map Service Center (https://msc.fema.gov/portal/home. For technical assistance please contact the Field Office listed in the letterhead of your project's official species list.

No

30. Will the excavation or grading create new water bars or ditches that will channel stormwater into a stream?

No

31. Will the project proponent complete all excavation and grading activities and subsequent soil stabilization measures within 1 month?

Yes

32. [Hidden Semantic] Does the project area intersect the AOI of the clubshell (*Pleurobema clava*)?

Automatically answered

Yes

33. Based on the responses you have provided, we believe that the proposed Action is consistent with the type of Actions programmatically evaluated by the Service's Kentucky Field Office under the standing analyses that support this determination key. These Actions typically conclude with "no effect" or "may affect - not likely to adversely affect" determinations for the clubshell.

What determination do you want to make for the **clubshell**:

Note: IPaC will not provide a concurrence for "no effect" determinations, because there is no statutory requirement to request concurrence from the Service. IPaC will provide concurrence for "May affect – not likely to adversely affect" determinations. If you choose "May affect – likely to adversely affect" or "Unsure," additional coordination with the Service is recommended.

1. "No effect"

Project code: 2024-0112234

34. [Hidden Semantic] Does the project area intersect the AOI of the fanshell (*Cyprogenia stegaria*)?

Automatically answered

Yes

35. Based on the responses you have provided, we believe that the proposed Action is consistent with the type of Actions programmatically evaluated by the Service's Kentucky Field Office under the standing analyses that support this determination key. These Actions typically conclude with "no effect" or "may affect - not likely to adversely affect" determinations for the fanshell.

What is your effect determination for the **fanshell**:

Note: IPaC will not provide a concurrence for "no effect" determinations, because there is no statutory requirement to request concurrence from the Service. IPaC will provide concurrence for "May affect – not likely to adversely affect" determinations. If you choose "May affect – likely to adversely affect" or "Unsure," additional coordination with the Service is recommended.

- 1. "No effect"
- 36. [Hidden Semantic] Does the project area intersect the AOI of the northern riffleshell (*Epioblasma torulosa rangiana*)?

Automatically answered

Yes

37. Based on the responses you have provided, we believe that the proposed Action is consistent with the type of Actions programmatically evaluated by the Service's Kentucky Field Office under the standing analyses that support this determination key. These Actions typically conclude with "no effect" or "may affect - not likely to adversely affect" determinations for the northern riffleshell.

What is your effect determination for the **northern riffleshell**:

Note: IPaC will not provide a concurrence for "no effect" determinations, because there is no statutory requirement to request concurrence from the Service. IPaC will provide concurrence for "May affect – not likely to adversely affect" determinations. If you choose "May affect – likely to adversely affect" or "Unsure," additional coordination with the Service is recommended.

- 1. "No effect"
- 38. [Hidden Semantic] Does the project area intersect the AOI of the pink mucket (*Lampsilis abrupta*)?

Automatically answered Yes

39. Based on the responses you have provided, we believe that the proposed Action is consistent with the type of Actions programmatically evaluated by the Service's Kentucky Field Office under the standing analyses that support this determination key. These Actions typically conclude with "no effect" or "may affect - not likely to adversely affect"

What is your effect determination for the **pink mucket**:

determinations for the pink mucket.

Note: IPaC will not provide a concurrence for "no effect" determinations, because there is no statutory requirement to request concurrence from the Service. IPaC will provide concurrence for "May affect – not likely to adversely affect" determinations. If you choose "May affect – likely to adversely affect" or "Unsure," additional coordination with the Service is recommended.

1. "No effect"

07/05/2024 20:23:16 UTC

07/05/2024 20:23:16 UTC

IPAC USER CONTACT INFORMATION

Agency: **Private Entity** Name: Suzanne Arnzen

Address: 11450 Watterson Court

Address Line 2: Suite 200 City: Louisville

State: KY 40299 Zip:

Email sarnzen@cmecenvironmental.com

Phone: 5024890850

LEAD AGENCY CONTACT INFORMATION

Lead Agency: Department of Housing and Urban Development



United States Department of the Interior



FISH AND WILDLIFE SERVICE

Kentucky Ecological Services Field Office J C Watts Federal Building, Room 265 330 West Broadway Frankfort, KY 40601-8670

Phone: (502) 695-0467 Fax: (502) 695-1024 Email Address: <u>kentuckyes@fws.gov</u>

In Reply Refer To: 08/09/2024 00:04:18 UTC

Project code: 2024-0112234

Project Name: Harper Village - Madisonville, Kentucky

Subject: Consistency letter for the project named 'Harper Village - Madisonville, Kentucky' for

the endangered Indiana bat and its critical habitat in the proposed project location,

pursuant to the Indiana Bat Determination Key (DKey)

Dear Suzanne Arnzen:

The U.S. Fish and Wildlife Service (Service) received on **August 09, 2024** your effect determination(s) for the 'Harper Village - Madisonville, Kentucky' using the Indiana Bat DKey within the Information for Planning and Consultation (IPaC) system. The Service developed this system in accordance with the Endangered Species Act of 1973 (ESA) (87 Stat.884, as amended; 16 U.S.C. 1531 et seq.).

Based on your answers and the assistance of the Service's Indiana Bat DKey, you made the following effect determination(s) for the proposed Action:

SpeciesListing StatusDeterminationIndiana Bat (Myotis sodalis)EndangeredNo effect

Consultation Status

No Effect Determinations: : Species with No effect determinations are those for which you determined the proposed Action would have "no effect" on the species. There is no statutory requirement for the federal action agency to request concurrence with that determination; however, the federal action agency should document the supporting information for this determination in their files. This documentation would typically demonstrate a lack of suitable habitat within the action area, show that no impacts to suitable habitat would occur, or provide information that the species is not reasonably certain to occur in the action area even though suitable habitat is present.

The Service recommends that your agency contact the Kentucky Ecological Services Field Office or re-evaluate the Action in IPaC if: 1) the scope, timing, duration, or location of the Action changes, 2) new information reveals the Action may affect listed species or designated critical habitat, or 3) a new species is listed or critical habitat designated. If any of the above conditions occurs, additional consultation with the Kentucky Ecological Services Field Office should take place before project changes are final or resources committed.

In addition to the Indiana bat, the following species and/or critical habitats may also occur in your project area and **are not** covered by this conclusion:

- Clubshell *Pleurobema clava* Endangered
- Fanshell *Cyprogenia stegaria* Endangered
- Gray Bat *Myotis grisescens* Endangered
- Monarch Butterfly Danaus plexippus Candidate
- Northern Riffleshell *Epioblasma rangiana* Endangered
- Pink Mucket (pearlymussel) *Lampsilis abrupta* Endangered
- Whooping Crane *Grus americana* Experimental Population, Non-Essential

To address effects to other federally listed or proposed species and/or their designated critical habitat, you can request project-specific review by following the instructions in the "Next Steps" section of your species list letter, or you may use another determination key, if available.

Additional Coordination

To request additional technical assistance or consultation, please contact the Kentucky Ecological Services Field Office. When you contact the office, please provide all relevant site-specific information regarding the proposed Action. The Kentucky Ecological Services Field Office will respond within 30 to 60 days of your submittal.

Action Description

You provided to IPaC the following name and description for the subject Action.

1. Name

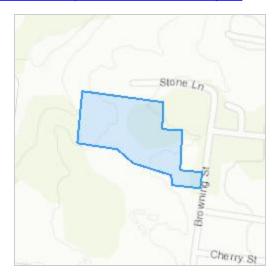
Harper Village - Madisonville, Kentucky

2. Description

The following description was provided for the project 'Harper Village - Madisonville, Kentucky':

Construction of affordable housing.

The approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/@37.3371437,-87.51253831856621,14z



QUALIFICATION INTERVIEW

1. Will the proposed action involve Federal funding, permitting, or authorization, or will it be carried out by a Federal Agency?

Yes

No

2. Is the Federal Highway Administration (FHWA), Federal Railroad Administration (FRA), or Federal Transit Administration (FTA) the lead Federal Agency for this action.

3. Are you the lead Federal Action Agency or designated non-federal representative requesting concurrence on behalf of the lead Federal Action Agency?

No

4. [Semantic] Is the Action Area within 1/2-mile of a known Indiana bat hibernaculum?

Note: The map queried for this question contains proprietary information and cannot be displayed. If you need additional information, please contact the Field Office listed in the letterhead of this letter.

Automatically answered

No

5. Will the proposed Action involve construction or operation of wind turbines? *No*

6. Will the proposed Action involve blasting, other than a fireworks display? *No*

7. Will the proposed Action involve a new point source discharge from a facility other than a water treatment plant or storm water system?

No

8. Will the proposed Action involve the creation of a new water-borne contaminant source (e.g., leachate pond, pits containing chemicals that are not NSF/ANSI 60 compliant)?

Note: For information regarding NSF/ANSI 60 please visit https://www.nsf.org/knowledge-library/nsf-ansi-standard-60-drinking-water-treatment-chemicals-health-effects

No

9. Will the proposed Action include the removal, replacement, repair and/or maintenance of an existing bridge?

No

10. Will the proposed Action involve perennial stream loss that would require an individual permit under 404 of the Clean Water Act?

No

11. Will the proposed Action involve discharge of sediment into a stream?

No

Project code: 2024-0112234 IPaC Record Locator: 930-145854480

08/09/2024 00:04:18 UTC

12. Does the Action Area contain any caves (including their associated sinkholes, fissures, or other karst features), rockshelters, underground quarries, or abandoned mine portals (including associated underground workings)?

No

13. Will the proposed project result in the removal of trees?

14. Based on the responses you have provided, we believe that the proposed Action is consistent with the type of Actions programmatically evaluated by the Service under the standing analyses that supports this determination key. These Actions typically conclude with "no effect" or "may affect - not likely to adversely affect" determinations for the Indiana bat.

What determination do you want to make for the Indiana bat:

Note: IPaC will not provide a concurrence for "no effect" determinations, because there is no statutory requirement to request concurrence from the Service. IPaC will provide concurrence for "May affect – not likely to adversely affect" determinations. If you choose "May affect - likely to adversely affect" or "Unsure," additional coordination with the Service is recommended.

No effect

08/09/2024 00:04:18 UTC

IPAC USER CONTACT INFORMATION

Agency: **Private Entity** Name: Suzanne Arnzen

Address: 11450 Watterson Court

Address Line 2: Suite 200 City: Louisville

State: KY 40299 Zip:

Email sarnzen@cmecenvironmental.com

Phone: 5024890850

LEAD AGENCY CONTACT INFORMATION

Lead Agency: Department of Housing and Urban Development

Jennifer Oberlin

From: Jennifer Oberlin

Sent: Tuesday, August 20, 2024 12:42 PM **To:** sarnzen@cmecenvironmental.com

Subject: Question - Endangered Species Consult - Harper Village - 8/20/2024

Importance: High

Hey Suzanne! Hope all is well.

I was working on the requested THPO/Endangered consultations for Harper Village and have developed the following question.

I noticed on the Consistency Letter for the KY Determination Key in IPAC that you indicated a "No effect" determination for the following species:

- Clubshell (clams)
- Fanshell (clams)
- Northern Riffleshell (clams)
- Pink Mucket (mussel)
- Gray Bat

I also see that you agreed to the following conservation measures:

 The project proponent will complete all excavation and grading and put BMP's in place to stabilize all excavated and graded areas within 1 month

Can you confirm this with the project engineer or whoever is responsible and get it in writing from them? I asks this because I have had project leads tell me before that it is impossible to complete all excavation and grading in a month for a project of this scale.

I would like to have it in writing from them. Please advise.

Thanks, Jen

Jennifer Oberlin

Pronouns: (she/her)
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www.kyhousing.org



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EQUAL HOUSING OPPORTUNITY

Wabuck Development Company, Inc.

P.O. Box 556 Leitchfield, KY 42755-0556 Tel. (270) 259-5607 Fax (270) 259-6071

August 20, 2024

Kentucky Fish and Wildlife Service Kentucky Ecological Services Field Office JC Watts Federal Building, Room 265 330 West Broadway Frankfort, Kentucky 40601-8670 Phone (502) 695-0467 Fax (502) 695-1024 kentuckyes@fws.gov

Re: Smiley Terrace – 1295 Glass Avenue Hopkinsville, Kentucky Tracey Terrace – 1525 Cuba Road Mayfield, Kentucky Canon Court – 13500 Nortonville Road Dawson Springs, Kentucky

Harper Village – 445 Browning Street Madisonville, Kentucky Garrison Gardens – 1221 Crewdson Drive Bowling Green, Kentucky LifeWorks Annex – 1176 Adams Street Bowling Green, Kentucky

To Whom it May Concern

Wabuck Development Company (Wabuck) was selected as a developer as part of the governor of Kentucky's Western Kentucky Disaster Recovery. As such, the above noted projects include new construction of multi-family housing (some modular). All six projects listed above will complete all excavations and grading and put in Best Management Practices (BMPs) to stabilize all excavated and graded areas within 1 month.

Feel free to contact April Bowman at 270-259-9361 or at april.bowman@wabuck.com if you have any questions or require additional information.

Respectfully submitted,

April Bowman

Wabuck Development Company, Inc.

ENCLOSURE H EXPLOSIVE AND FLAMMABLE HAZARDS

OMB No. 2506-0177 (exp.2/28/2025)



U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WASHINGTON, DC 20410-1000

This Worksheet was designed to be used by those "Partners" (including Public Housing Authorities, consultants, contractors, and nonprofits) who assist Responsible Entities and HUD in preparing environmental reviews, but legally cannot take full responsibilities for these reviews themselves. Responsible Entities and HUD should use the RE/HUD version of the Worksheet.

1. Does the proposed HUD-assisted project include a hazardous facility (a facility that mainly stores,

Explosive and Flammable Hazards (CEST and EA) - PARTNER

https://www.hudexchange.info/environmental-review/explosive-and-flammable-facilities

	handles or processes flammable or combustible chemicals such as bulk fuel storage facilities and refineries)?
	⊠ No
	→ Continue to Question 2.
	□Yes
	Explain:
	Click here to enter text.
	→ Continue to Question 5.
2.	Does this project include any of the following activities: development, construction, rehabilitation that will increase residential densities, or conversion?
	\square No \Rightarrow If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below.
	\boxtimes Yes \rightarrow Continue to Question 3.
3.	Within 1 mile of the project site, are there any current <i>or planned</i> stationary aboveground storage containers:
	 Of more than 100-gallon capacity, containing common liquid industrial fuels OR Of any capacity, containing hazardous liquids or gases that are not common liquid industrial fuels?
	\square No \Rightarrow If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide all documents used to make your determination.
	4. Is the Separation Distance from the project acceptable based on standards in the Regulation? Please visit HUD's website for information on calculating Acceptable Separation Distance.

→ If the RE/HUD agrees with this recommendation, the review is in compliance with this

section. Continue to the Worksheet Summary below.

Provide map(s) showing the location of the project site relative to any tanks and your separation distance calculations. If the map identifies more than one tank, please identify the tank you have chosen as the "assessed tank."

□ No

→ Continue to Question 6.

Provide map(s) showing the location of the project site relative to any tanks and your separation distance calculations. If the map identifies more than one tank, please identify the tank you have chosen as the "assessed tank."

5. Is the hazardous facility located at an acceptable separation distance from residences and any other facility or area where people may congregate or be present?

Please visit HUD's website for information on calculating Acceptable Separation Distance.

☐ Yes

 \rightarrow If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below.

Provide map(s) showing the location of the project site relative to residences and any other facility or area where people congregate or are present and your separation distance calculations.

□ No

→ Continue to Question 6.

Provide map(s) showing the location of the project site relative to residences and any other facility or area where people congregate or are present and your separation distance calculations.

6. For the project to be brought into compliance with this section, all adverse impacts must be mitigated. Explain in detail the exact measures that must be implemented to make the Separation Distance acceptable, including the timeline for implementation. If negative effects cannot be mitigated, cancel the project at this location.

Note that only licensed professional engineers should design and implement blast barriers. If a barrier will be used or the project will be modified to compensate for an unacceptable separation distance, provide approval from a licensed professional engineer.

Click here to enter text.

Worksheet Summary

Provide a full description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your program or region

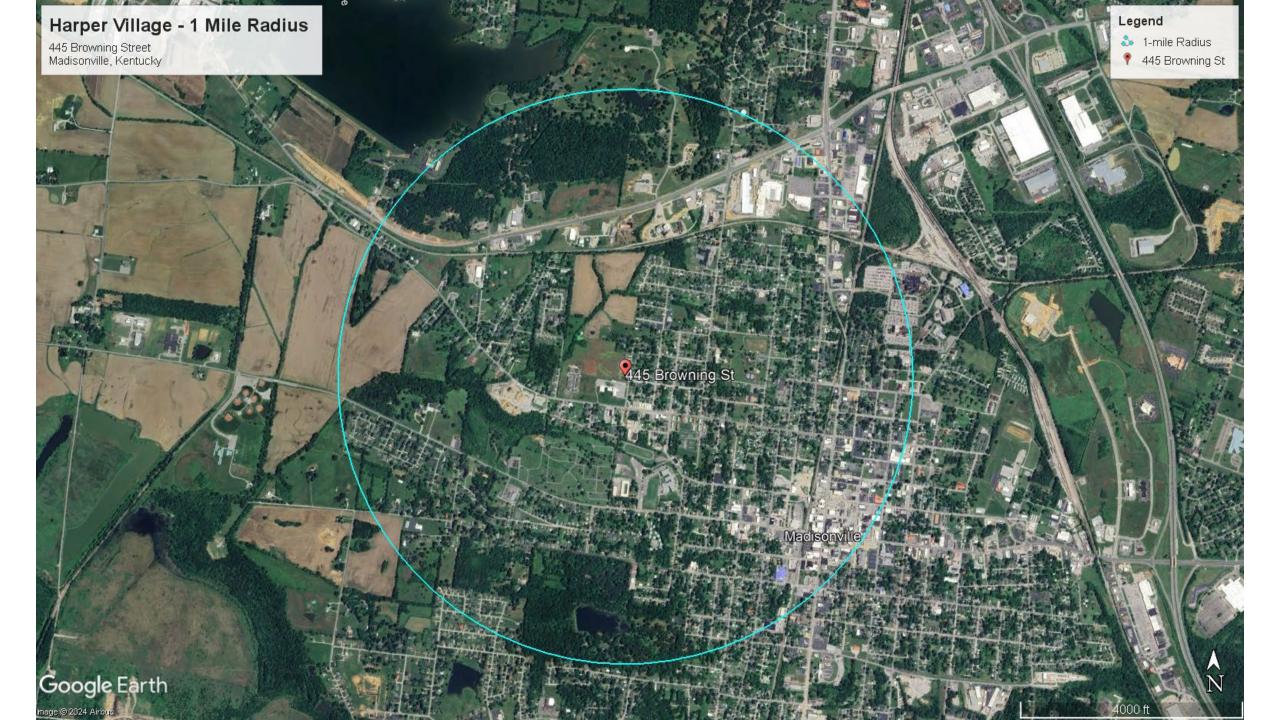
Include all documentation supporting your findings in your submission to HUD.

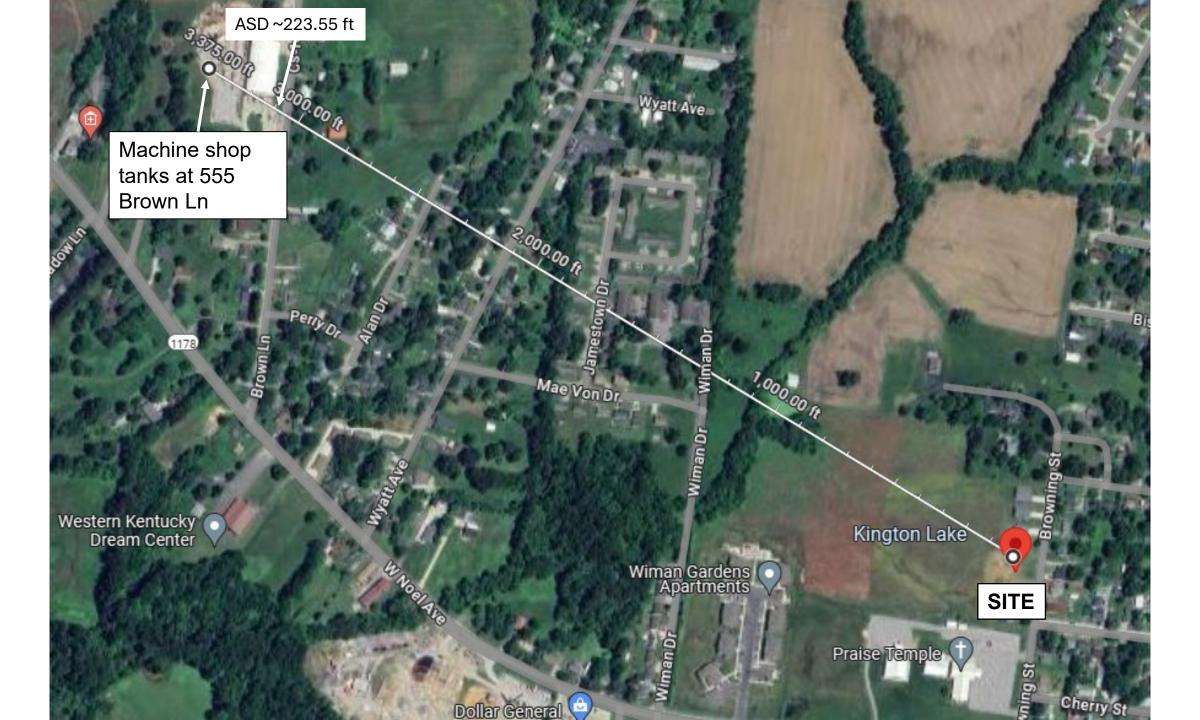
There is a current or planned stationary aboveground storage container of concern within 1 mile of the project site. The Separation Distance from the project is acceptable. The project is in compliance with explosive and flammable hazard requirements. A search of Google Earth Pro aerial maps found various

grain bins, water tanks, etc. within a one-mile radius of the site. The only flammable liquids located within 1-mile of the site are located at a machine shop at 555 Brown Lane where two gravity-fed tanks are located. Each tank is estimated at 300-gallons. The tanks are located approximately 3,375 feet from the project site and the acceptable separation distance is approximately 223.55 feet. Additionally, the Phase I ESA did not identify any above ground storage tanks during the scope of the assessment.

Supporting Documentation

Harper Village Explosives Flammable Backup.pdf





Harper Village - (445 Browning Street, Madisonville, KY)

Two (2) 300-gallon tanks at an unnamed machine shop – 555 Brown Lane, Madisonville, KY

The tanks above are approximately 3,400 feet from the subject property. The Acceptable Separation Distance (ASD) from the tanks to the subject property is a maximum of 223.55 feet according to HUD's ASD calculation tool. They are in compliance according to the calculated ASD should a tank explosion occur.

Acceptable Separation Distance Assessment Tool

Is the container above ground?	Yes: ☑ No: □
Is the container under pressure?	Yes: ☑ No: □
Does the container hold a cryogenic liquified gas?	Yes: ☐ No: ☑
Is the container diked?	Yes: No:
What is the volume (gal) of the container?	600
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	184.99
ASD for Thermal Radiation for People (ASDPPU)	223.55
ASD for Thermal Radiation for Buildings (ASDBPU)	39.70
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

Project Location: 445 Browning St, Madisonville, KY

CMec Project Number: 062-24-W

Date: August 2024

Photo No:

001

Photo Date:

08/09/2024

Description:

View of aboveground grain silos located at 645 US-41 ALT, Madisonville, Kentucky. Photo from Google Maps Street View.



Photo No:

002

Photo Date:

08/09/2024

Description:

View of a large water tank located at 1400 Aberdeen Drive, Madisonville, Kentucky. Photo from Google Maps Street View.



Project Location: 445 Browning St, Madisonville, KY **CMec Project Number:** 062-24-W

Date: August 2024

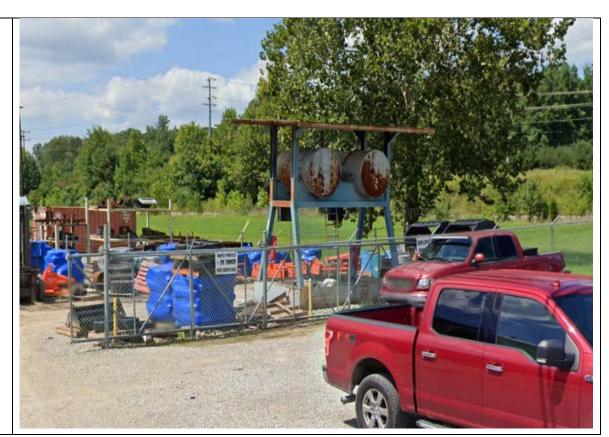
Photo No:

003

Photo Date:

08/09/2024

Description: View of two gravityfed tanks with contents assumed to be diesel, approximately 300 gallons each located at 555 Brown Ln, Madisonville, Kentucky. Photo from Google Maps Street View.



ENCLOSURE I FARMLANDS PROTECTION

OMB No. 2506-0177 (exp.2/28/2025)



U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WASHINGTON, DC 20410-1000

This Worksheet was designed to be used by those "Partners" (including Public Housing Authorities, consultants, contractors, and nonprofits) who assist Responsible Entities and HUD in preparing environmental reviews, but legally cannot take full responsibilities for these reviews themselves. Responsible Entities and HUD should use the RE/HUD version of the Worksheet.

1. Does your project include any activities, including new construction, acquisition of undeveloped

Farmlands Protection (CEST and EA) - PARTNER

https://www.hudexchange.info/environmental-review/farmlands-protection

	land or conversion, that could convert agricultural land to a non-agricultural use?					
	\boxtimes Yes \rightarrow Continue to Question 2.					
	□ No					
	\rightarrow If the RE/HUD agrees with this recommendation, the review is in compliance with this section.					
	Continue to the Worksheet Summary below.					
2.	Does your project meet one of the following exemptions?					
	 Project on land already in or committed to urban development or used for water storage (7 CFR 658.2(a)). To check whether the project location is located in an urbanized area, use the 					
	following US Census Bureau application: TIGERweb					
	 Construction limited to on-farm structures needed for farm operations 					
	 Construction is limited to new minor secondary (accessory) structures such as a garage or storage shed 					
	Storage shea					
	■ ☐ Yes → Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide any documents used to make your determination					
	■ \boxtimes No \rightarrow Continue to Question 3.					

- 3. Does "important farmland," including prime farmland, unique farmland, or farmland of statewide or local importance regulated under the Farmland Protection Policy Act, occur on the project site? You may use the links below to determine important farmland occurs on the project site:
 - Utilize USDA Natural Resources Conservation Service's (NRCS) Web Soil Survey http://websoilsurvey.nrcs.usda.gov/app/HomePage.htm
 - Check with your city or county's planning department and ask them to document if the project is on land regulated by the FPPA (zoning important farmland as non-agricultural does not exempt it from FPPA requirements)
 - Contact NRCS at the local USDA service center
 http://offices.sc.egov.usda.gov/locator/app?agency=nrcs or your NRCS state soil scientist
 http://soils.usda.gov/contact/state offices/ for assistance

- □ No → If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide any documents used to make your determination.
- \boxtimes Yes \rightarrow Continue to Question 4.

4. Consider alternatives to completing the project on important farmland and means of avoiding impacts to important farmland.

- Complete form <u>AD-1006</u>, "Farmland Conversion Impact Rating" and contact the state soil scientist before sending it to the local NRCS District Conservationist.
- Work with NRCS to minimize the impact of the project on the protected farmland. When you have finished with your analysis, return a copy of form AD-1006 to the USDA-NRCS State Soil Scientist or his/her designee informing them of your determination.

Work with the RE/HUD to determine how the project will proceed. Document the conclusion:

□ Project will proceed with mitigation.

Explain in detail the proposed measures that must be implemented to mitigate for the impact or effect, including the timeline for implementation.

Click here to enter text.

- → If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide form AD-1006 and all other documents used to make your determination.
- ⊠ Project will proceed without mitigation.

Explain why mitigation will not be made here:

See below

→ If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide form AD-1006 and all other documents used to make your determination.

Worksheet Summary

Provide a full description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your program or region

Include all documentation supporting your findings in your submission to HUD.

As the project includes activities that could convert agricultural land to a non-agricultural use additional consideration was given. "Prime farmland", "unique farmland", or "farmland of statewide of local importance" regulated under the Farmland Protection Policy Act occurs on the project site. Form AD-1006, "Land Evaluation and Site Assessment" has been completed. The project may proceed without mitigation and be in compliance with the Farmland Protection Policy Act. The USDA Web Soil Survey Map for the project site shows it is comprised of: 0.5% Belknap silt loan, 0 to 2% slopes, occasionally flooded (prime farmland); 0.2% Hosmer silt loan 0 to 6% slopes (prime farmland); 74.3% Hosmer silt loan 2 to 6% slopes, eroded (prime farmland); 0.5% Belknap silt loan 0 to 2% slops, occasionally flooded

(not prime farmland); and Hosmer silt loan 2 to 6% slopes, eroded (not prime farmland). USDA State Soil Scientist Perri Brown provided USDA data on the Form AD-1006 on August 19, 2024 and found that the site's total score was 100.9 points and per 7 CFR 658.4(c)(2) "sites receiving a total score of less than 160 need not be given further consideration for protection and no additional sites need to be evaluated". The project is in compliance with the Farmland Protection Policy Act.

Supporting Documentation
USA Census Urban Area Harper Village Madisonville KY.pdf
AD1006 Harper Village.pdf
USDA Correspondence Harper Village 445 Browning Street Madisonville Kentucky Coverletter.pdf
Harper Village Apprx 445 Browning Street Madisonville KY USDA Correspondence.pdf

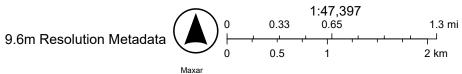
Urban Area - Madisonville, Kentucky



7/23/2024

USA Census Urban Areas
World Imagery
Low Resolution 15m Imagery

High Resolution 60cm Imagery
High Resolution 30cm Imagery
Citations



F	U.S. Departmen			ATING				
PART I (To be completed by Federal Agency)			Date Of Land Evaluation Request					
Name of Project			Agency Involved	<u>·</u>				
Proposed Land Use			and State					
PART II (To be completed by NRCS)		Date Red	quest Received	Ву	Person C	ompleting For	rm:	
Does the site contain Prime, Unique, Statew	vide or Local Important Farmland			Acres Ir	Acres Irrigated Average Fa		Farm Size	
(If no, the FPPA does not apply - do not con	nplete additional parts of this forn	n)						
Major Crop(s)	Farmable Land In Govt.	Jurisdiction]	Amount of Farmland As Defined in FPPA				
	Acres: %			Acres: %				
Name of Land Evaluation System Used	Name of State or Local S	ite Assess	ment System	Date Land E	valuation R	luation Returned by NRCS		
PART III (To be completed by Federal Ager	ncv)				Alternative	Site Rating	_	
A. Total Acres To Be Converted Directly				Site A	Site B	Site C	Site D	
B. Total Acres To Be Converted Indirectly								
C. Total Acres In Site								
PART IV (To be completed by NRCS) Land	d Evaluation Information							
, , , , , , , , , , , , , , , , , , , ,								
A. Total Acres Prime And Unique Farmland	Increase to the Comment of							
B. Total Acres Statewide Important or Local C. Percentage Of Farmland in County Or Local	·							
D. Percentage Of Farmland in Govt. Jurisdic		vo Valuo						
		ve value						
PART V (To be completed by NRCS) Land Relative Value of Farmland To Be Co		s)						
PART VI (To be completed by Federal Agency) Site Assessment Criteria				Site A	Site B	Site C	Site D	
(Criteria are explained in 7 CFR 658.5 b. For Corridor project use form NRCS-CPA-106)								
Area In Non-urban Use Perimeter In Non-urban Use								
Percent Of Site Being Farmed			(10)					
Protection Provided By State and Local (Sovernment		(20)					
Florection Florided By State and Local Co. Distance From Urban Built-up Area	Jovenninent		(15)					
Distance To Urban Support Services			(15)					
7. Size Of Present Farm Unit Compared To	Δverage		(10)					
Creation Of Non-farmable Farmland	Average		(10)					
Availability Of Farm Support Services			(5)					
10. On-Farm Investments			(20)					
11. Effects Of Conversion On Farm Support	Services		(10)					
12. Compatibility With Existing Agricultural Use			(10)					
TOTAL SITE ASSESSMENT POINTS			160					
PART VII (To be completed by Federal Agency)								
Relative Value Of Farmland (From Part V)								
Total Site Assessment (From Part VI above or local site assessment)			160					
TOTAL POINTS (Total of above 2 lines)			260					
			Was A Local Site Assessment Used?					
Site Selected:				YES	s 🗌	NO 🗌		
Reason For Selection: Name of Federal agency representative comp	oleting this form:				ח	ate:		

STEPS IN THE PROCESSING THE FARMLAND AND CONVERSION IMPACT RATING FORM

- Step 1 Federal agencies (or Federally funded projects) involved in proposed projects that may convert farmland, as defined in the Farmland Protection Policy Act (FPPA) to nonagricultural uses, will initially complete Parts I and III of the form. For Corridor type projects, the Federal agency shall use form NRCS-CPA-106 in place of form AD-1006. The Land Evaluation and Site Assessment (LESA) process may also be accessed by visiting the FPPA website, http://fppa.nrcs.usda.gov/lesa/.
- Step 2 Originator (Federal Agency) will send one original copy of the form together with appropriate scaled maps indicating location(s)of project site(s), to the Natural Resources Conservation Service (NRCS) local Field Office or USDA Service Center and retain a copy for their files. (NRCS has offices in most counties in the U.S. The USDA Office Information Locator may be found at http://offices.usda.gov/scripts/ndISAPI.dll/oip_public/USA_map, or the offices can usually be found in the Phone Book under U.S. Government, Department of Agriculture. A list of field offices is available from the NRCS State Conservationist and State Office in each State.)
- Step 3 NRCS will, within 10 working days after receipt of the completed form, make a determination as to whether the site(s) of the proposed project contains prime, unique, statewide or local important farmland. (When a site visit or land evaluation system design is needed, NRCS will respond within 30 working days.
- Step 4 For sites where farmland covered by the FPPA will be converted by the proposed project, NRCS will complete Parts II, IV and V of the form.
- Step 5 NRCS will return the original copy of the form to the Federal agency involved in the project, and retain a file copy for NRCS records.
- Step 6 The Federal agency involved in the proposed project will complete Parts VI and VII of the form and return the form with the final selected site to the servicing NRCS office.
- Step 7 The Federal agency providing financial or technical assistance to the proposed project will make a determination as to whether the proposed conversion is consistent with the FPPA

INSTRUCTIONS FOR COMPLETING THE FARMLAND CONVERSION IMPACT RATING FORM

(For Federal Agency)

Part I: When completing the "County and State" questions, list all the local governments that are responsible for local land use controls where site(s) are to be evaluated.

Part III: When completing item B (Total Acres To Be Converted Indirectly), include the following:

- 1. Acres not being directly converted but that would no longer be capable of being farmed after the conversion, because the conversion would restrict access to them or other major change in the ability to use the land for agriculture.
- 2. Acres planned to receive services from an infrastructure project as indicated in the project justification (e.g. highways, utilities planned build out capacity) that will cause a direct conversion.

Part VI: Do not complete Part VI using the standard format if a State or Local site assessment is used. With local and NRCS assistance, use the local Land Evaluation and Site Assessment (LESA).

- 1. Assign the maximum points for each site assessment criterion as shown in § 658.5(b) of CFR. In cases of corridor-type project such as transportation, power line and flood control, criteria #5 and #6 will not apply and will, be weighted zero, however, criterion #8 will be weighted a maximum of 25 points and criterion #11 a maximum of 25 points.
- 2. Federal agencies may assign relative weights among the 12 site assessment criteria other than those shown on the FPPA rule after submitting individual agency FPPA policy for review and comment to NRCS. In all cases where other weights are assigned, relative adjustments must be made to maintain the maximum total points at 160. For project sites where the total points equal or exceed 160, consider alternative actions, as appropriate, that could reduce adverse impacts (e.g. Alternative Sites, Modifications or Mitigation).

Part VII: In computing the "Total Site Assessment Points" where a State or local site assessment is used and the total maximum number of points is other than 160, convert the site assessment points to a base of 160. Example: if the Site Assessment maximum is 200 points, and the alternative Site "A" is rated 180 points:

 $\frac{\text{Total points assigned Site A}}{\text{Maximum points possible}} = \frac{180}{200} \text{ X } 160 = 144 \text{ points for Site A}$

For assistance in completing this form or FPPA process, contact the local NRCS Field Office or USDA Service Center.

NRCS employees, consult the FPPA Manual and/or policy for additional instructions to complete the AD-1006 form.

SCENSUS OF County Profile



Hopkins County Kentucky



Total and Per Farm Overview, 2022 and change since 2017

	2022	% change since 2017
Number of farms	623	-5
Land in farms (acres)	219,888	+50
Average size of farm (acres)	353	+58
Total	(\$)	
Market value of products sold	211,057,000	+76
Government payments	2,448,000	+47
Farm-related income	4,551,000	+3
Total farm production expenses	147,389,000	+95
Net cash farm income	70,667,000	+41
Per farm average	(\$)	
Market value of products sold	338,775	+86
Government payments ^a	18,404	+132
Farm-related income ^a	20,782	-4
Total farm production expenses	236,579	+105
Net cash farm income	113,431	+48

3 Percent of state agriculture sales

Share of Sales by Type (%)								
Crops	55							
Livestock, poultry, and produc	ts 45							
Land in Farms by Use (acres)								
Cropland	149,451							
Pastureland	17,177							
Woodland	36,747							
Other	16,513							
Acres irrigated: 212								
(Z)% of land in farms								
Land Use Practices (% of farms)								
No till	17							
Reduced till	9							
Intensive till	12							
Cover crop	4							

Farms by Value of Sal	es		Farms by Size		
	Number	Percent of Total b		Number	Percent of Total b
Less than \$2,500	275	44	1 to 9 acres	26	4
\$2,500 to \$4,999	74	12	10 to 49 acres	213	34
\$5,000 to \$9,999	79	13	50 to 179 acres	223	36
\$10,000 to \$24,999	64	10	180 to 499 acres	82	13
\$25,000 to \$49,999	41	7	500 to 999 acres	37	6
\$50,000 to \$99,999	18	3	1,000+ acres	42	7
\$100.000 or more	72	12			

SCENSUS OF County Profile

Market Value of Agricultural Products Sold

		Rank	Counties	Rank	Counties
	Sales	in	Producing	in	Producing
	(\$1,000)	State ^c	Item	U.S. c	Item
Total	211,057	11	120	780	3,078
Crops	115,890	8	120	743	3,074
Grains, oilseeds, dry beans, dry peas	111,812	8	116	568	2,917
Tobacco	(D)	53	78	152	267
Cotton and cottonseed	-	-	-	-	647
Vegetables, melons, potatoes, sweet potatoes	600	26	119	1,043	2,831
Fruits, tree nuts, berries	14	93	118	1,871	2,711
Nursery, greenhouse, floriculture, sod	(D)	25	111	(D)	2,660
Cultivated Christmas trees, short rotation					
woody crops	-	-	32	-	1,274
Other crops and hay	1,789	60	120	1,548	3,035
Livestock, poultry, and products	95,167	13	120	701	3,076
Poultry and eggs	81,322	6	120	248	3,027
Cattle and calves	(D)	(D)	120	(D)	3,047
Milk from cows	-	· -	70	-	1,770
Hogs and pigs	(D)	10	115	(D)	2,814
Sheep, goats, wool, mohair, milk	61	71	117	1,731	2,967
Horses, ponies, mules, burros, donkeys	74	74	111	1,667	2,907
Aquaculture	(D)	8	24	(D)	1,190
Other animals and animal products	10	73	115	1,720	2,909

Producers d	1,047	Percent of farm	s that:	Top Crops in Acres e	
Sex Male Female	672 375	Have internet access	75	Soybeans for beans Corn for grain Forage (hay/haylage), all Wheat for grain, all	72,190 51,980 9,148 3,771
Age <35 35 – 64 65 and older	97 611 339	Farm organically	(Z)	Popcorn	809
Race American Indian/Alaska Native Asian	-	Sell directly to consumers	4	Livestock Inventory (Dec 31, 2	2022)
Black or African American Native Hawaiian/Pacific Islander White More than one race	1,042 3	Hire farm labor	17	meat-type chickens Cattle and calves Goats Hogs and pigs Horses and ponies	2,918,509 9,414 442 (D) 405
Other characteristics Hispanic, Latino, Spanish origin With military service New and beginning farmers	- 52 359	Are family farms	97	Layers Pullets Sheep and lambs Turkeys	(D) (D) 614 50

^a Average per farm receiving. ^b May not add to 100% due to rounding. ^c Among counties whose rank can be displayed. ^d Data collected for a maximum of four producers per farm. ^e Crop commodity names may be shortened; see full names at www.nass.usda.gov/go/cropnames.pdf. ^f Position below the line does not indicate rank. (D) Withheld to avoid disclosing data for individual operations. (NA) Not available. (Z) Less than half of the unit shown. (-) Represents zero.

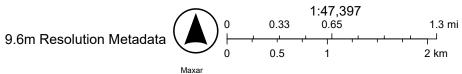
Urban Area - Madisonville, Kentucky

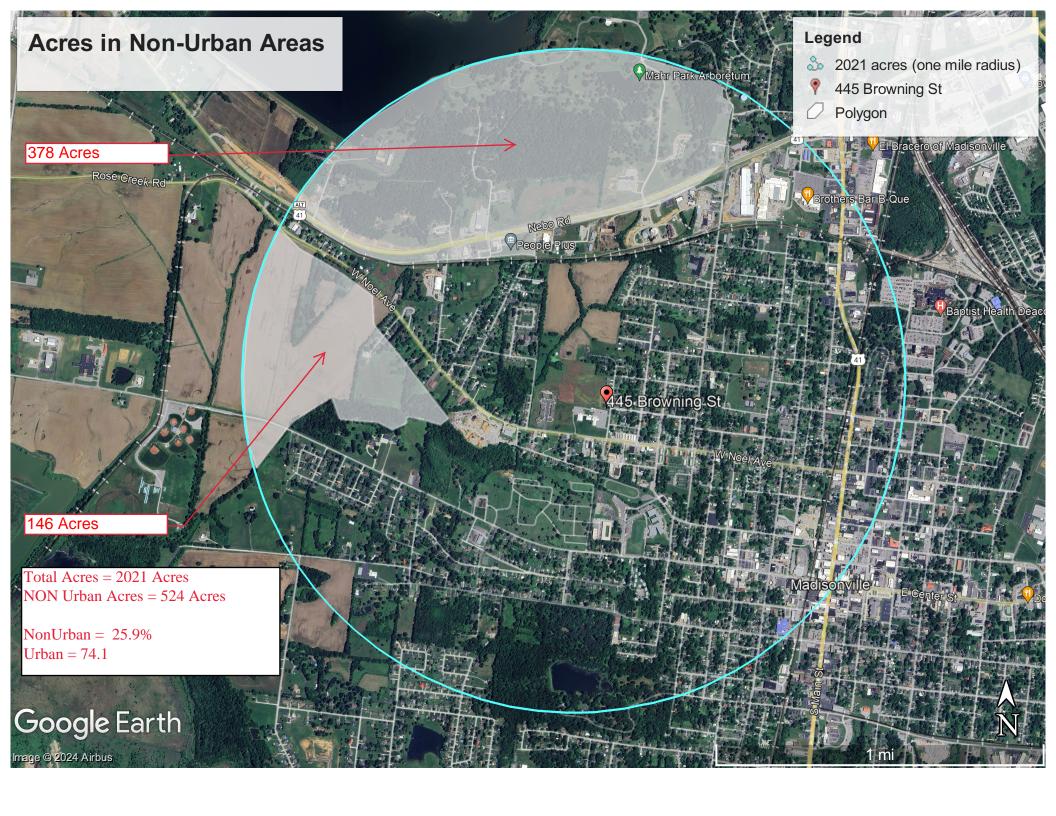


7/23/2024

USA Census Urban Areas
World Imagery
Low Resolution 15m Imagery

High Resolution 60cm Imagery
High Resolution 30cm Imagery
Citations







July 22, 2024

Attn. Ms. Perri Brown Resource Soil Scientist National Resources Conservation Service U.S. Department of Agriculture 3100 Alvey Park Drive W Owensboro, KY 42303

Re: Harper Village – Approximately 445 Browning Street Madisonville, Hopkins Co., Kentucky

Ms. Brown

CMec is working with Wabuck Development Company on the environmental review (24 CFR part 58) for the above noted site. Harper Village will be a new construction affordable housing complex containing 8 one- bedroom units, 20 two-bedroom units and 4 three-bedroom units intended to serve the low-to-moderate income population. This is a Rural project located within the city limits of Madisonville, Kentucky designed to serve families. The site is properly zoned for the proposed project and all 32 units will utilize modular manufactured housing which will significantly increase product delivery and cost efficiency.

The site has never been developed and portions have historically has been utilized for farmland although the site is currently not being used as farmland. See attached photolog from July 2024.

Per the NRCS Web Soil Survey, approximately 75% of the land at the site is considered prime farmland. Attached is a map of the area, and the web soils survey report.

CMec, on behalf of Wabuck, if requesting concurrence that the site is already in urban usage and the Farmland Protection Policy Act of 1981 will not apply, or if the site will require an analysis and any measures to be taken prior to action at the project site.

Feel free to contact me if you have any questions or require additional information.

Kind Regards,

CMec

Suzanne Arnzen
Managing Principal



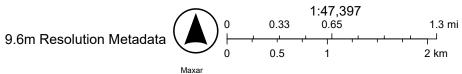
Urban Area - Madisonville, Kentucky



7/23/2024

USA Census Urban Areas
World Imagery
Low Resolution 15m Imagery

High Resolution 60cm Imagery
High Resolution 30cm Imagery
Citations



Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.



MAP LEGEND

Area of Interest (AOI)

Area of Interest (AOI)

Soils

Soil Map Unit Polygons

Soil Map Unit Lines

Soil Map Unit Points

Special Point Features

(o)

Blowout

Borrow Pit

Clay Spot

Closed Depression

Gravel Pit

Gravelly Spot

Landfill Lava Flow

Marsh or swamp

Mine or Quarry

Miscellaneous Water

Perennial Water Rock Outcrop

Saline Spot

Sandy Spot

Severely Eroded Spot

Sinkhole

Slide or Slip

Sodic Spot

å

Spoil Area Stony Spot

Very Stony Spot

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Wet Spot Other

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Special Line Features

Water Features

Streams and Canals

Transportation

Rails

Interstate Highways

US Routes

Major Roads

00

Local Roads

Background

Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:12.000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Hopkins County, Kentucky Survey Area Data: Version 22, Sep 10, 2023

Soil map units are labeled (as space allows) for map scales 1:50.000 or larger.

Date(s) aerial images were photographed: Jun 29, 2019—Nov 8, 2019

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
uBelA	Belknap silt loam, 0 to 2 percent slopes, occasionally flooded	0.0	0.5%
uHosB	Hosmer silt loam, 2 to 6 percent slopes	0.0	0.2%
uHosB2	Hosmer silt loam, 2 to 6 percent slopes, eroded	4.5	74.3%
uHulB	Hosmer-Urban land complex, 2 to 6 percent slopes	0.0	0.0%
ZnC3	Zanesville silt loam, 6 to 12 percent slopes, severely eroded	1.5	25.0%
Totals for Area of Interest		6.1	100.0%

Photo No:

001

Photo Date:

07/08/2024



Photo No: 002

Photo Date:

07/08/2024



Photo No: 003

Photo Date: 07/08/2024



Photo No: 004



Photo No: 005

Photo Date: 07/08/2024



Photo No: 006



Photo No: 007

Photo Date: 07/08/2024



Photo No: 008



Photo No: 009

Photo Date: 07/08/2024



Photo No: 010



Photo No:

011

Photo Date:

07/08/2024



Photo No:

012

Photo Date:

07/08/2024



Photo No: 013

Photo Date:

07/08/2024



Photo No: 014

Photo Date:

07/08/2024



Photo No: 015

Photo Date: 07/08/2024



Photo No: 016



Photo No: 017

Photo Date: 07/08/2024



Photo No: 018



Photo No: 019

Photo Date: 07/08/2024



Photo No: 020



Photo No: 021

Photo Date: 07/08/2024



Photo No: 022



Photo No: 023

Photo Date: 07/08/2024



Photo No: 024



Photo No: 025

Photo Date:

07/08/2024



Photo No: 026

Photo Date:

07/08/2024



Photo No: 027

Photo Date:

07/08/2024



Photo No: 028



Photo No: 029

Photo Date: 07/08/2024



Photo No: 030



Photo No:

031

Photo Date:

07/08/2024



Photo No:

032

Photo Date:

07/08/2024



Photo No: 033

Photo Date:

07/08/2024



Photo No: 034

Photo Date:

07/08/2024



Owensboro Service Center

3100 Alvey Park Drive W Owensboro, KY 42303 PHONE: 270-684-9286

Suzanne Arnzen CMec 11450 Waterson Court, 2nd Floor Louisville, KY 40299

August 19, 2024

RE: Harper Village - 445 Browning Street Madisonville, Kentucky

Dear Suzane,

Enclosed is the Farmland Protection Policy Act (FPPA) site assessment for the proposed project in Hopkins County, Kentucky. The Natural Resources Conservation Service (NRCS) is mandated to provide information on the soils and/or impact to farmland according to the Farmland Protection Policy Act (P.L. 97-98) for projects that will be utilizing federal monies. Based on the information contained in your request, it was determined that the proposed project has the potential to impact Prime and/or Statewide Important Farmland.

The proposed project site has a relative LESA value of 80, as based on a scale of 0 to 100 points (see AD-1006). The percentage of farmland in Hopkins County having the same or higher value is 28.04%. The percentage of Hopkins County farmland to be converted as a result of the proposed action is 0.002%.

Please do not hesitate to contact me if I may be of additional assistance.

Perri P. Brown

Resource Soil Scientist Perri.Brown@usda.gov

Perri P. Brown

ENCLOSURE J FLOODPLAIN MANAGEMENT

OMB No. 2506-0177 (exp.2/28/2025)



1.

U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT WASHINGTON, DC 20410-1000

This Worksheet was designed to be used by those "Partners" (including Public Housing Authorities, consultants, contractors, and nonprofits) who assist Responsible Entities and HUD in preparing environmental reviews, but legally cannot take full responsibilities for these reviews themselves. Responsible Entities and HUD should use the RE/HUD version of the Worksheet.

Floodplain Management (CEST and EA)

General Requirements	Legislation	Regulation
Executive Order 11988,	Executive Order 11988	24 CFR 55
Floodplain Management,	Executive Order 13690	
requires Federal activities to	42 USC <u>4001-4128</u>	
avoid impacts to floodplains and	42 USC 5154a	
to avoid direct and indirect		
support of floodplain		
development to the extent		
practicable.		
Reference		
https://www.hudexchange.info/environmental-review/floodplain-management		

maı Hou □ Y Sele	nagement using progr 'es	regulation rams? olicable o	t an exemption at 24 CFR 55.12 from compliance with HUD's floodplain ons in Part 55 or utilize the delayed compliance date for certain Office of citation at 24 CFR 55.12 and provide supporting documentation for the cable.
a)	☐ HUD-as	sisted a	ctivities described in 24 CFR 58.34 and 58.35(b)
b)	☐ HUD-as 50.19	ssisted a	ctivities described in 24 CFR 50.19, except as otherwise indicated in §
c)	beneficial such flood restriction	function Iplain an is place	f financial assistance for restoring and preserving the natural and s and values of floodplains and wetlands, including through acquisition of d wetland property, where a permanent covenant or comparable on the property's continued use for flood control, wetland projection, k land, but only if:
		•	perty is cleared of all existing buildings and walled structures; and
	(2)	The pro	perty is cleared of related improvements except those which: Are directly related to flood control, wetland protection, open space, or park land (including playgrounds and recreation areas);
		(ii)	Do not modify existing wetland areas or involve fill, paving, or other ground disturbance beyond minimal trails or paths; and
		(iii)	Are designed to be compatible with the beneficial floodplain or wetland function of the property.

	d)	☐ An action involving a repossession, receivership, foreclosure, or similar acquisition of property to protect or enforce HUD's financial interests under previously approved loans, grants, mortgage insurance, or other HUD assistance
	e)	☐ Policy-level actions described at 24 CFR 50.16 that do not involve site-based decisions
	_	☐ A minor amendment to a previously approved action with no additional adverse impact on or from a floodplain or wetland;
	g)	 ☐ HUD's or the responsible entity's approval of a project site, an incidental portion of which is situated in the FFRMS floodplain (not including the floodway, LiMWA, or coastal high hazard area) but only if: (1) The proposed project site does not include any existing or proposed buildings or improvements that modify or occupy the FFRMS floodplain except de minimis improvements such as recreation areas and trails; and (2) the proposed project will not result in any new construction in or modifications of a wetland
		☐ Issuance or use of Housing Vouchers or other forms of rental subsidy where HUD, the awarding community, or the public housing agency that administers the contract awards rental subsidies that are not project-based (i.e., do not involve site-specific subsidies) ☐ Special projects directed to the removal of material and architectural barriers that restrict the mobility of and accessibility to elderly and persons with disabilities.
Based (Summa		ne response, the review is in compliance with this section. Continue to the Worksheet elow.
	mu	Yes. Office of Housing programs utilizing the January 1, 2025 compliance date. These reviews st comply with the 2013 version of the Part 55 regulations. Continue to Worksheet Summary 2013 version to upload supporting documentation.
	\boxtimes	No. Continue to Question 2.
2.	Do	es the project include a Critical Action?
	hos	Yes. Describe the Critical Action. Examples of Critical Actions include projects involving spitals, fire and police stations, nursing homes, hazardous chemical storage, storage of valuable ords, and utility plants. Continue to Question 4.
	\boxtimes	No. Continue to Question 3.

3. Determine the extent of the FFRMS floodplain and provide mapping documentation in support of that determination.

The extent of the FFRMS floodplain can be determined using a Climate Informed Science Approach (CISA), 0.2 percent flood approach (0.2 PFA), or freeboard value approach (FVA). For projects in areas without available CISA data or without FEMA Flood Insurance Rate Maps (FIRMs), Flood Insurance Studies (FISs) or Advisory Base Flood Elevations (ABFEs), use the best available information to determine flood elevation. Include documentation and an explanation of why this is the best available information for the site. Note that newly constructed and substantially improved structures must be elevated to the FFRMS floodplain regardless of the approach chosen to determine the floodplain.

☐ CISA for non-critical actions. If using a local tool, data, or resources, ensure that the FFRMS

Select one of the following three options:

a.

b.

elevation is higher than would have been determined using the 0.2 PFA or the FVA.
\square 0.2-PFA. Where FEMA has defined the 0.2-percent-annual-chance floodplain, the FFRMS floodplain is the area that FEMA has designated as within the 0.2-percent-annual-chance floodplain.
▶ FVA. If neither CISA nor 0.2-PFA is available, for non-critical actions, the FFRMS floodplain is the area that results from adding two feet to the base flood elevation as established by the effective FIRM or FIS or—if available —a FEMA-provided preliminary or pending FIRM or FIS or advisory base flood elevations, whether regulatory or informational in nature. However, an interim or preliminary FEMA map cannot be used if it is lower than the current FIRM or FIS.
Does your project occur in the FFRMS floodplain? Yes, continue to part b.
 No. Review for floodplain management is complete.
Is your project located in any of the floodplain categories below? Select all that apply. If none apply, continue to question 7.
☐ Floodway: Continue to Question 5. Floodways.
☐ Coastal High Hazard Area (V Zone) or Limit of Moderate Wave Action (LiMWA): Continue

4. Determine the extent of the FFRMS floodplain and provide mapping documentation in support of that determination.

to Question 6. Coastal High Hazard Areas and LiMWAs.

The extent of the FFRMS floodplain can be determined using a Climate Informed Science Approach (CISA), or the higher of the 0.2 percent flood approach (0.2 PFA), or freeboard value approach (FVA). For projects in areas without available CISA data or without FEMA Flood Insurance Rate Maps (FIRMs), Flood Insurance Studies (FISs) or Advisory Base Flood Elevations (ABFEs), use the best available information to determine flood elevation. Note that newly constructed and substantially improved structures must be elevated to the FFRMS floodplain regardless of the approach chosen to determine the floodplain.

	Utilize CISA to determine the FFRMS floodplain for critical actions
	\square CISA for Critical Actions. If using a local tool, ensure that the FFRMS elevation provided is higher than the 0.2 PFA or 3' above the base flood elevation.
	OR;
	Choose the higher of 0.2 PFA or FVA elevations
	\square 0.2-PFA. Where FEMA has defined the 0.2-percent-annual-chance floodplain, the FFRMS floodplain is the area that FEMA has designated as within the 0.2-percent-annual-chance floodplain.
	☐ FVA. For critical actions, the FFRMS floodplain is the area that results from adding three feet to the base flood elevation as established by the effective FEMA FIRM or FIS or—if available —a FEMA-provided preliminary or pending FIRM or FIS or advisory base flood elevations, whether regulatory or informational in nature. However, an interim or preliminary FEMA map cannot be used if it is lower than the current FIRM or FIS.
a. I	Does your project occur in the FFRMS floodplain?
	□Yes, continue to part b.
	☐No. Review for floodplain management is complete.
b.	Is your project located in any of the floodplain categories below? Select all that apply. If none apply, continue to question 7.
	☐ Floodway: Continue to Question 5. Floodways.
	☐ Coastal High Hazard Area (V Zone) or LiMWA: Continue to Question 6. Coastal High Hazard Areas and LiMWAs.
5.	Floodways Do the floodway exemptions at <u>55.8</u> or <u>55.21</u> apply? ☐ Yes
	The 8-Step Process is required. Document mitigation measures necessary to meet the requirements in 55.8 or 55.21. Provide a completed 8-Step Process, including the early public notice and the final notice. Continue to Question 7. 8-Step Process.
	□ No Federal assistance may not be used at this location. You must either choose an alternate site or cancel the project at this location.

6. Coastal High Hazard Area (V Zone) and LiMWAs Do the exemptions at <u>55.8</u> or <u>55.21</u> apply?

☐ Yes The 8-Step Process is required. Document mitigation measures necessary to mee the requirements in 55.8 or 55.21. Provide a completed 8-Step Process, including the early public notice and the final notice. Continue to Question 7. 8-Step Process.
□No
Federal assistance may not be used at this location. You must either choose an alternate site
or cancel the project at this location.
8-Step Process.
Does the 8-Step Process apply? Select one of the following options:
☐ 8-Step Process is inapplicable per 55.13.
Select the applicable citation:
□ (a) HUD's mortgage insurance actions and other financial assistance for the purchasing, mortgaging, or refinancing of existing one- to four-family properties in communities that are in the Regular Program of the NFIP and in good standing (i.e., not suspended from program eligibility or placed on probation under 44 CFR 59.24), where the action is not a critical action and the property is not located in a floodway, coastal high hazard area, or LiMWA;
□ (b) Financial assistance for minor repairs or improvements on one- to four-family properties that do not meet the thresholds for "substantial improvement" under § 55.2(b)(12);
☐ (c) HUD or a recipient's actions involving the disposition of individual HUD or recipient held, one- to four-family properties;
□ (d) HUD guarantees under the Loan Guarantee Recovery Fund Program (24 CFR part 573), where any new construction or rehabilitation financed by the existing loan or mortgage has been completed prior to the filing of an application under the program, and the refinancing will not allow further construction or rehabilitation, nor result in any physical impacts or changes except for routine maintenance;
\Box (e) The approval of financial assistance to lease units within an existing structure located within the floodplain, but only if;
(1) The structure is located outside the floodway or coastal high hazard area, and is in a community that is in the Regular Program of the NFIP and in good standing (i.e., not suspended from program eligibility or placed on probation under 44 CFR 59.24); and
(2) The project is not a critical action; and(3) The entire structure is or will be fully insured or insured to the maximum extent available under the NFIP for at least the term of the lease.
☐ (f) Special projects for the purpose of improving efficiency of utilities or installing renewable energy that involve the repair, rehabilitation, modernization, weatherization, or improvement of existing structures or infrastructure, do not meet the thresholds for "substantial improvement" under § 55.2(b)(12), and do not include the installation of equipment below the FFRMS floodplain elevation.

7.

Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below.

☐ 5-Step Process is applicable per 55.14. Provide documentation of 5-Step Process.
Select the applicable citation:
□ (a) HUD actions involving the disposition of HUD-acquired multifamily housing projects of "bulk sales" of HUD-acquired one- to four-family properties in communities that are if the Regular Program of the National Flood Insurance Program (NFIP) and in good standing (i.e., not suspended from program eligibility or placed on probation under 4 CFR 59.24).
□ (b)HUD's actions under the National Housing Act (12 U.S.C. 1701) for the purchase of refinancing of existing multifamily housing projects, hospitals, nursing homes, assisted living facilities, board and care facilities, and intermediate care facilities, in communities that are in good standing under the NFIP.
□ (c) HUD's or the recipient's actions under any HUD program involving the repair rehabilitation, modernization, weatherization, or improvement of existing multifamil housing projects, hospitals, nursing homes, assisted living facilities, board and car facilities, intermediate care facilities, and one- to four-family properties, in communitie that are in the Regular Program of the National Flood Insurance Program (NFIP) and ar in good standing, provided that the number of units is not increased more than 2 percent, the action does not involve a conversion from nonresidential to residential lancuse, the action does not meet the thresholds for "substantial improvement" under 55.2(b)(10), and the footprint of the structure and paved areas is not increased by more than 20 percent.
 □ (d) HUD's (or the recipient's) actions under any HUD program involving the repair rehabilitation, modernization, weatherization, or improvement of existing nonresidential buildings and structures, in communities that are in the Regular Program of the NFIP and are in good standing, provided that the action does not meet the thresholds for "substantial improvement" under § 55.2(b)(10) and that the footprint of the structure and paved areas is not increased by more than 20 percent □ (e) HUD's or the recipient's actions under any HUD program involving the repair rehabilitation, or replacement of existing nonstructural improvements including streets curbs and gutters, where any increase of the total impervious surface area of the facilities de minimis. This provision does not include critical actions, levee systems, chemical storage facilities (including any tanks), wastewater facilities, or sewer lagoons.
Continue to Question 8. Mitigation.
□ 8-Step Process applies.
Provide a completed 8-Step Process, including the early public notice and the final notice.
Continue to Question 8. Mitigation.

8. Mitigation

detail t timelin within	e project to comply with this section, all adverse impacts must be mitigated. Explain in the measures that must be implemented to mitigate the impact or effect, including the e for implementation. Note: newly constructed and substantially improved structures the FFRMS floodplain must be elevated to the FFRMS floodplain elevation or roofed, if applicable.			
	ollowing if any mitigation/minimization measures have been identified for this project in -Step Process? Select all that apply.			
	Buyout and demolition or other supported clearance of floodplain structures			
	Insurance purchased in excess of statutory requirement under the Flood Disaster			
Pro	Protection Act of 1973			
	Permeable surfaces			
	Natural landscape enhancements that maintain or restore natural hydrology			
	Planting or restoring native plant species			
	Bioswales			
	Stormwater capture and reuse			
	Green or vegetative roofs with drainage provisions			
	Natural Resources Conservation Service conservation easements or similar easements			
	Floodproofing of structures as allowable (e.g. non-residential floors)			
	Elevating structures (including freeboard above the required base flood elevations)			
	Levee or structural protection from flooding			
	Channelizing or redefining the floodway or floodplain through a Letter of Map Revision (LOMR)			

Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below.

Worksheet Summary

Compliance Determination

Provide a clear description of your determination and a synopsis of the information that it was based on, such as:

- FIRM panel numbers
- CISA data or maps
- Information on other data or tools used or accessed
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your region

Include all documentation supporting your findings in your submission to HUD

Harper Village is not located in an FFRMS floodplain. The BETA tool recognized by HUD at the time of this evaluation was utilized and states "Based on the user-defined location and non-critical designation, the proposed action is not in the FFRMS floodplain". Full report attached. This project does not occur in the FFRMS floodplain. The project is in compliance with Executive Orders 11988 and 13690. The site is also not included in the 0.2% (500-year) floodplain on the FEMA FIRM map.

Worksheet Summary for 2013 Version

Compliance Determination

Attach 'Floodplain Management Partner Worksheet' (OMB No. 2506-0177), FIRM map indicating project location, and summary of 8-step or 5-step decision making process if applicable.

Provide a clear description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your region

Include all documentation supporting your findings in your submission to HUD

Harper Village is not located in an FFRMS floodplain. The BETA tool recognized by HUD at the time of this evaluation was utilized and states "Based on the user-defined location and non-critical designation, the proposed action is not in the FFRMS floodplain". Full report attached. This project does not occur in the FFRMS floodplain. The project is in compliance with Executive Orders 11988 and 13690. The site is also not included in the 0.2% (500-year) floodplain on the FEMA FIRM map.

Supporting Documentation

FFRMS-Freeboard-Value-Approach-Report.pdf

Created: 7/20/2024

Summary

Based on the user-defined location and non-critical designation, the proposed action is not in the FFRMS floodplain. However, there are additional resilience measures you might consider. Check on the resources below to learn more.

Projects located in the FFRMS floodplain should be designed consistent with the applicable policies and directives of the agency taking or approving the action.

Proposed Action Details

Location centroid (Latitude, Longitude): 37°20'13.92"N 87°30'44.64"W

Service criticality: Non-critical Service Life: Through 2050

Consult with the applicable agency to identify any agency-specific policies, guidance, protocols, or direction on the critical action determination. The services of a professional engineer, architect, or other licensed design professional are recommended for designing critical actions or assets with long intended service life, and for other situations where risk tolerance is low because of unique characteristics of the action.

Considerations of Freeboard approach at this location

No additional considerations at this location.

Next Steps

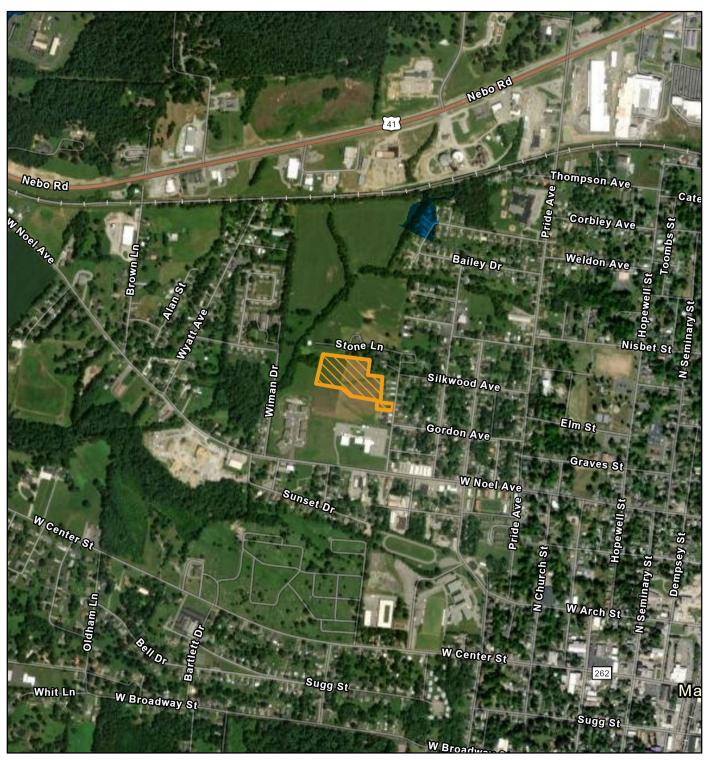
This is the Step 1 of the 8-step decision-making process required in section 2(a) of Executive Order 11988, Floodplain Management (Determine if the proposed action within the FFRMS floodplain). Follow the remainder of the 8-step process outlined in the Implementation Guidelines (2015), page 4, including Step 5 which include minimizing harm and restoring and preserving natural and beneficial values. (Please refer to the Nature Based Solutions section). A licensed design professional should be contacted for the design or engineering of the action. If an action is in the FFRMS floodplain and its location is the only practicable alternative, then you may need the services of a professional engineer, architect, or other licensed design professional to determine how to minimize the impacts of flood and make the action resilient (e.g., elevation, flood-proofing and/or nature-based solutions), especially when dealing with critical actions.

Assistance

To contact the FEMA Regional Floodplain Management & Insurance FFRMS Point of Contact for assistance, e-mail FEMA at <u>FEMA-FFRMS-SUPPORT-REQUEST@fema.dhs.gov</u>



Project Location



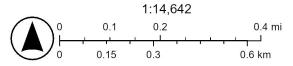
July 20, 2024

Project Location



FFRMS Floodplain





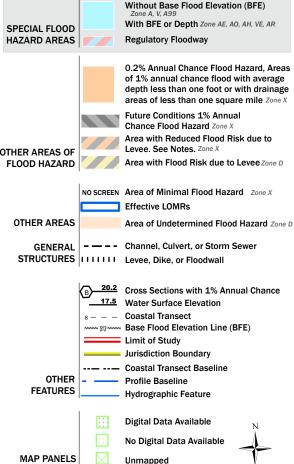
National Flood Hazard Layer FIRMette





Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT



This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The pin displayed on the map is an approximate point selected by the user and does not represent

an authoritative property location.

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 7/14/2024 at 12:35 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

ENCLOSURE K HISTORIC PRESERVATION

OMB No. 2506-0177 (exp.2/28/2025)



U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WASHINGTON, DC 20410-1000

This Worksheet was designed to be used by those "Partners" (including Public Housing Authorities, consultants, contractors, and nonprofits) who assist Responsible Entities and HUD in preparing environmental reviews, but legally cannot take full responsibilities for these reviews themselves. Responsible Entities and HUD should use the RE/HUD version of the Worksheet.

Historic Preservation (CEST and EA) - PARTNER

https://www.hudexchange.info/environmental-review/historic-preservation

Threshold

Is Section 106 review required for your project?

□ No, because a Programmatic Agreement states that all activities included in this project are exempt. (See the <u>PA Database</u> to find applicable PAs.)

Either provide the PA itself or a link to it here. Mark the applicable exemptions or include the text here:

Click here to enter text.

→ Continue to the Worksheet Summary.

□ No, because the project consists solely of activities included in a No Potential to Cause Effects memo or other determination [36 CFR 800.3(a)(1)].

Either provide the memo itself or a link to it here. Explain and justify the other determination here:

Click here to enter text.

→ Continue to the Worksheet Summary.

The Section 106 Process

After determining the need to do a Section 106 review, HUD or the RE will initiate consultation with regulatory and other interested parties, identify and evaluate historic properties, assess effects of the project on properties listed on or eligible for the National Register of Historic Places, and resolve any adverse effects through project design modifications or mitigation.

- Step 1: Initiate consultation
- Step 2: Identify and evaluate historic properties
- Step 3: Assess effects of the project on historic properties
- Step 4: Resolve any adverse effects

Only RE or HUD staff may initiate the Section 106 consultation process. Partner entities may gather information, including from SHPO records, identify and evaluate historic properties, and make initial assessments of effects of the project on properties listed in or eligible for the National Register of Historic Place. Partners should then provide their RE or HUD with all of their analysis and documentation so that they may initiate consultation.

Step 1 - Initiate Consultation

The following parties are entitled to participate in Section 106 reviews: Advisory Council on Historic Preservation; State Historic Preservation Officers (SHPOs); federally recognized Indian tribes/Tribal Historic Preservation Officers (THPOs); Native Hawaiian Organizations (NHOs); local governments; and project grantees. The general public and individuals and organizations with a demonstrated interest in a project may participate as consulting parties at the discretion of the RE or HUD official. Participation varies with the nature and scope of a project. Refer to HUD's website for guidance on consultation, including the required timeframes for response. Consultation should begin early to enable full consideration of preservation options.

Use the When To Consult With Tribes checklist within Notice CPD-12-006: Process for Tribal Consultation to determine if the RE or HUD should invite tribes to consult on a particular project. Use the Tribal Directory Assessment Tool (TDAT) to identify tribes that may have an interest in the area where the project is located. Note that only HUD or the RE may initiate consultation with Tribes. Partner entities may prepare a draft letter for the RE or HUD to use to initiate consultation with tribes, but may not send the letter themselves.

List all organizations and individuals that you believe may have an interest in the project here: State Historic Preservation Office (SHPO)

Indian Tribes – Cherokee Nation; Eastern Band of Cherokee Indians; Osage Nation

Environment and Archeology initiated consultation with the Kentucky Heritage Council (Kentucky State Historical Preservation Office [SHPO]), who responded with a letter dated March 12, 2024 stating: "...Based on the documentation provided, an archaeological survey is warranted for all areas where ground disturbing activities are to take place. The archaeological survey should be conducted by a qualified archaeologist." An "Abbreviated Archeological Report for the Phase I Survey of the Wabuck Development Company Harper Village Apartment Complex Project Hopkins County, Kentucky KHC #240496" was prepared by Environment & Archaeology and dated July 2024. This report was provided to the SHPO and on August 7, 2024 a response from SHPO was received noting "Thank you for your recent submission of the above referenced archaeology report pertaining to this undertaking. We understand that this investigation covered approximately 8.2 acres with archaeological survey methods including pedestrian survey and supplemental shovel testing. No cultural resources were identified during this investigation. We would concur with a finding of No Historic Properties Affected and accept this report without revisions." This letter is attached. On August 20, 2024 Kentucky Housing Corporation sent letters inviting the three tribes identified in the TDAT search for Hopkins County, KY to become consulting parties on the Section 106 review for the project: Cherokee Nation, Eastern Band of Cherokee Indians, and Osage Nation. The letters were sent via email.

→ Continue to Step 2.

Step 2 - Identify and Evaluate Historic Properties

Provide a preliminary definition of the Area of Potential Effect (APE), either by entering the address(es) or providing a map depicting the APE. Attach an additional page if necessary.

Click here to enter text.

Gather information about known historic properties in the APE. Historic buildings, districts and archeological sites may have been identified in local, state, and national surveys and registers, local historic districts, municipal plans, town and county histories, and local history websites. If not already listed on the National Register of Historic Places, identified properties are then evaluated to see if they are eligible for the National Register. Refer to HUD's website for guidance on identifying and evaluating historic properties.

In the space below, list historic properties identified and evaluated in the APE.

Every historic property that may be affected by the project should be listed. For each historic property or district, include the National Register status, whether the SHPO has concurred with the finding, and whether information on the site is sensitive. Attach an additional page if necessary. Click here to enter text.

Provide the documentation (survey forms, Register nominations, concurrence(s) and/or objection(s), notes, and photos) that justify your National Register Status determination.

Was a survey of historic buildings and/or archeological sites done as part of the project?

If the APE contains previously unsurveyed buildings or structures over 50 years old, or there is a likely presence of previously unsurveyed archeological sites, a survey may be necessary. For Archeological surveys, refer to HP Fact Sheet #6, <u>Guidance on Archeological Investigations in HUD Projects</u>.

\boxtimes Yes \rightarrow Provide survey(s) a	nd report(s) and continue to Step 3.
Additional notes:	
Click here to enter text.	
\square No \rightarrow Continue to Step 3.	

Step 3 - Assess Effects of the Project on Historic Properties

Only properties that are listed on or eligible for the National Register of Historic Places receive further consideration under Section 106. Assess the effect(s) of the project by applying the Criteria of Adverse Effect. (36 CFR 800.5) Consider direct and indirect effects as applicable as per HUD guidance.

Choose one of the findings below to recommend to the RE or HUD.

Please note: this is a recommendation only. It is **not** the official finding, which will be made by the RE or HUD, but only your suggestion as a Partner entity.

Document reason for finding:
☐ No historic properties present.
oxtimes Historic properties present, but project will have no effect upon them.
□ No Adverse Effect
Document reason for finding and provide any comments below.

Comments may include recommendations for mitigation, monitoring, a plan for unanticipated discoveries, etc.

Click here to enter text.

☐ Adverse Effect

Document reason for finding:

Copy and paste applicable Criteria into text box with summary and justification.

Criteria of Adverse Effect: 36 CFR 800.5]

Click here to enter text.

Provide any comments below:

Comments may include recommendations for avoidance, minimization, and/or mitigation. Based on Section 106 consultation, there are No Historic Properties Affected because the project will have no effect on the historic properties that are present. The project is in compliance with Section 106. In a letter dated August 7, 2024, the Kentucky Heritage Council (Kentucky's State Historic Preservation Office [SHPO]) stated "Thank you for your recent submission of the above referenced archaeology report pertaining to this undertaking. We understand that this investigation covered approximately 8.2 acres with archaeological survey methods including pedestrian survey and supplemental shovel testing. No cultural resources were identified during this investigation. We would concur with a finding of No Historic Properties Affected and accept this report without revisions." On August 20, 2024 Kentucky Housing Corporation sent letters inviting the three tribes identified in the TDAT search for Hopkins County, KY to become consulting parties on the Section 106 review for the project: Cherokee Nation, Eastern Band of Cherokee Indians, and Osage Nation. The letters were sent via email. The Cherokee Nation responded on 9/17/2024 stating that the "Nation does not foresee this project imparting impacts to Cherokee cultural resources at this time." None of the remaining tribes responded within the 30-day threshold specified by HUD CPD Notice 12-006. The compilation of the Tribal Response to Section 106 Consultation Letter from Kentucky Housing Corporation dated October 22, 2024 is attached and includes the backup for THPO consultation.

Remember to provide all documentation that justifies your National Register Status determination and recommendations along with this worksheet.

Supporting Documentation

- 3 072024 SHPO Letter No Historic Properties Affected.pdf
- 4_HarperVillage_TribalCnslt_FNL2.pdf
- 2_Final harper village Phase I Arch Report Iwe 72924.pdf
- 1_03122024 SHPO Letter Arch Survey Warranted.pdf



ANDY BESHEAR
GOVERNOR

TOURISM, ARTS AND HERITAGE CABINET KENTUCKY HERITAGE COUNCIL THE STATE HISTORIC PRESERVATION OFFICE

LINDY CASEBIER
SECRETARY

JACQUELINE COLEMAN LT. GOVERNOR 410 HIGH STREET FRANKFORT, KENTUCKY 40601 (502) 564-7005 www.heritage.ky.gov

CRAIG A. POTTS
EXECUTIVE DIRECTOR &
STATE HISTORIC PRESERVATION OFFICER

March 12, 2024

April Bowman
Wabuck
100 Wabuck Drive
Leitchfield, KY 42754
April.Bowman@wabuck.com

RE: DLG, Harper Village Apartment Complex, near 445 Browning Road,

Madisonville, Hopkins County, Kentucky

Dear Ms. Bowman:

Thank you for your submittal of maps and project specifics for the above-referenced undertaking. We understand the Applicant is proposing to construct the Harper Village affordable housing complex in Madisonville, Kentucky. Proposed project activities include the construction of five buildings, as well as parking, access, and associated actions.

Should you have any questions, please feel free to contact Gabrielle Fernandez or Stephanie Dooley of my staff at Gabrielle.Fernandez@ky.gov or Stephanie.Dooley@ky.gov.

Sincerely,

Executive Director and

State Historic Preservation Officer

KHC# 240496 CP: gf, sd



Project E&A – 3791 OSA FY24-12875 July 2024

ABBREVIATED ARCHAEOLOGICAL REPORT FOR THE PHASE I SURVEY OF THE WABUCK DEVELOPMENT COMPANY HARPER VILLAGE APARTMENT COMPLEX PROJECT HOPKINS COUNTY, KENTUCKY KHC# 240496

Prepared For:

Wabuck Development Company 100 Wabuck Drive Leitchfield, KY 42754 Attn: Mr. Anthony Elmore

Lead Agency: United States Department of Housing and Urban Development

Prepared By:

Environment & Archaeology
221 Main Street
Florence, Kentucky 41042
(859) 746-1778 (phone)
(859) 746-1788 (fax)

Luke W. Erickson, M.A.
Principal Investigator
lerickson@environment-archaeology.com

Luke W. Erickson

ABSTRACT

Wabuck Development Company (Wabuck) is proposing to construct nine new two-story residential buildings in the City of Madisonville, Hopkins County, Kentucky. This will create 32 new units of affordable housing and will include parking, access, walkways, and utilities. This project is known as the Harper Village Apartment Complex Project (Project). The Project appears on the 1973 USGS 7.5-minute Madisonville West, Kentucky quadrangle. The proposed Project is jurisdictional to the United States Department of Housing and Urban Development (HUD). The Area of Potential Effect (APE) for the Project was 8.2-acres (ac) (3.3 -hectares [ha]) in size.

The Office of State Archaeologist (OSA) and the Kentucky Heritage Council (KHC) records checks indicated that 2 archaeology sites, 7 archaeological surveys, 2 NRHP listed districts (Madisonville Commercial Historic District and North Main Street Historic District, containing 71 contributing resources between them), 1 large NRHP resource (Madisonville Tuberculosis Hospital), 2 cemeteries (Teague and the Odd Fellows Cemeteries), 82 Historic Resources, 9 Coded Properties, 4 Demolished Historic Resources, and 1 Preliminary Historic Resource, were previously recorded within a 1.2-mile (mi) (2-kilometer [km]) radius of the APE. None of these resources were located within the Project APE.

These cultural resource investigations were conducted in compliance with Section 106 of the National Historic Preservation Act (NHPA) (1966, as amended). All work completed for the Project was conducted following the standards established by the State Historic Preservation Office (SHPO) and meets the professional standards set forth in the Secretary of the Interior's (SOI) Guidelines. The archaeological survey of the Project APE was conducted from July 16 to July 18, 2024. No archaeological sites were identified within the APE as a result of the Phase I Survey.

The APE sits in an open field west of Browning Street and north of Praise Temple (725 W Noel Avenue, Madisonville, Kentucky). In a March 12, 2024 letter and a follow-up email on June 6, 2024 to Wabuck, the SHPO did not have any above-ground concerns for the proposed Project. As such, a viewshed analysis and historic structural survey were not performed for the proposed Project. It is the recommendation of *Environment & Archaeology* that the proposed Project does not affect any cultural resources eligible for the NRHP; therefore, no further consultation under Section 106 of NHPA is recommended.

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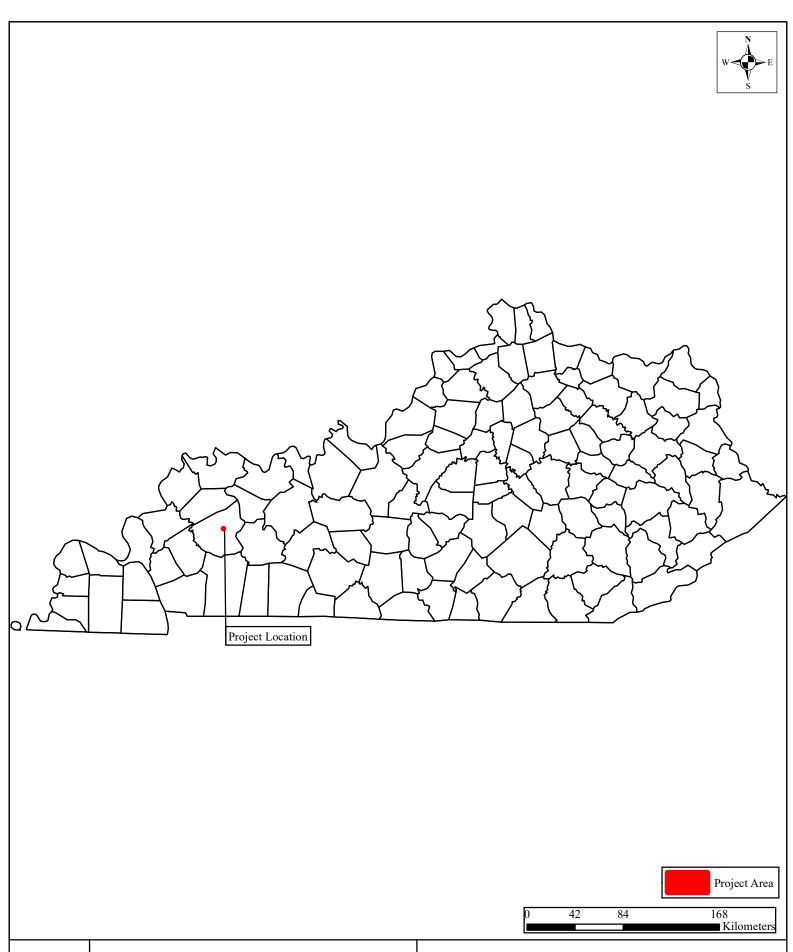
INTRODUCTION

Environment & Archaeology, under contract to Wabuck, conducted Phase I archaeological investigations for the Project. The Project will consist of 9 new two-story residential buildings resulting in 32 new units of affordable housing in the City of Madisonville, Hopkins County, Kentucky. The Project appears on the 1973 USGS 7.5-minute Madisonville West, Kentucky quadrangle (Figure 1 and Figure 2). The Project is under the jurisdiction of the HUD; therefore, the Project is subject to review under Section 106 of the NHPA, 1966 (as amended).

The LOD covered 8.2-ac (3.3-ha) and was determined by Wabuck in order to meet their construction requirements; the LOD constitutes the APE for the Project. The APE was located within an open field west of Browning Street and north of Praise Temple (725 W Noel Avenue, Madisonville, Kentucky) (Figure 3 and Figure 4). A site file check project registration request was submitted by *Environment & Archaeology* Principal Investigator Luke W. Erickson, M.A. to the OSA in Lexington, Kentucky on June 26, 2024 (FY24-12875). The online site file check database at the KHC was accessed by Mr. Erickson on June 26, 2024 for the APE. These data revealed that no cultural resource investigations, archaeological sites, or historic resources were previously recorded within or immediately adjacent to the APE. Approximately 30 hours were spent in the field from July 16 to July 18, 2024. There were no constraints to the survey and the APE was investigated through the excavation of shovel test probes. No archaeological sites or cultural materials were identified.

This work was conducted in compliance with Section 106 of the NHPA of 1966 (PL 89-665) and the implementing regulations contained in the Protection of Historic Cultural Properties (36 CFR 800). The Phase I Survey of the proposed Project was performed to SHPO standards (Sanders 2017) and followed the SOI Guidelines.

The Project was managed by Principal Investigator Luke Erickson, M.A. The fieldwork was under the direction of *Environment & Archaeology* Senior Field Director Michael Shaw, M.A., who was assisted by Field Technician Tom Carmody. Project reporting was the responsibility of Luke Erickson, M.A., who meets the SOI Professional Qualification Standards for Archaeological Investigations. Resumes of Project personnel are already on file with the SHPO. Copies of this report will be provided to Wabuck and the HUD. The Phase I survey was conducted for Mr. Anthony Elmore of Wabuck.



State Ma

Wabuck Development Company Harper Village Apartment Complex Project

Hopkins County, Kentucky

Environment Archaeology

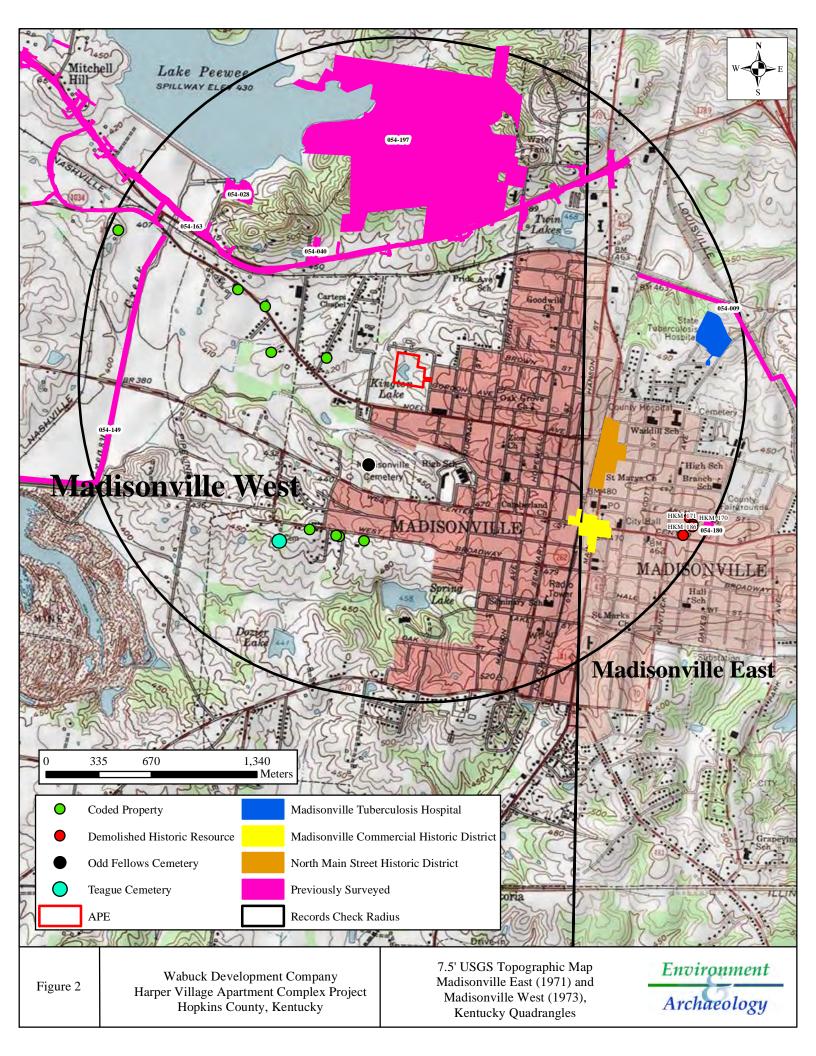




Figure 3. Overview of APE facing west from STP D2.



Figure 4. Overview of APE facing southwest from the center of the APE.

CULTURAL OVERVIEW AND RESULTS OF LITERATURE REVIEW

Cultural Overview of Kentucky

Kentucky is separated into five pre-contact archaeological contexts (Table 1). There are seven Management Areas and 17 Sections in Kentucky with the current APE located within the Western Coalfield (Section E) of the Green River Management Area (Area 2) (Stackelbeck and Mink 2008: 12). Within Section E, approximately 2.7 percent has been surveyed for cultural resources with 1,223 archaeological sites recorded (Stackelbeck and Mink 2008:47).

Section E has 30 Paleoindian sites recorded with 28 of those sites categorized as open habitation w/o mound(s) (Maggard and Stackelbeck 2008:139). There are 309 Archaic sites recorded in Section E. Most (n=282) are categorized as open habitation sites w/o mound(s) (Jefferies 2008:228). Section E contains 115 Woodland sites with 82 of those sites categorized as open habitation w/o mound(s) (Applegate 2008:387). There are 605 Mississippian sites recorded within Area 2 with 469 identified as open habitation sites w/o mound(s) (Pollack 2008:609).

Table 1. Pre-Contact Overview for Kentucky.

Context	Sub Periods Date Range		Characteristics			
Paleoindian	ca 9,500 - 8,000 BC		Small groups of highly mobile hunter-gathers, fluted projectile points (ex - Clovis, Cumberland, Ganey, Plano, Dalton projectile points)			
	8,000 - 1,000 BC		Mobile hunter-gatherers, expanded exploitation of natural resourc and introduction of new processing techniques and tools, increase social complexity. Introduction of stemmed projectile points.			
	Early	8,000 - 6,000 BC	Continuation of mobile hunter-gatherer patterns of the Paleoindian period. Introduction of stemmed projectile points (ex - Kirk Corner Notched, Thebes, LeCroy, Kanawha projectile points).			
Archaic	Middle 6,000 - 3,000 BC		Increased regional specialization, expansion of exploited resources and introduction of new processing techniques. (ex - Morrow Mountain II, Big Sandy/Godar, Matanzas projectile points)			
	Late 3,000 - 1,000 BC		Greater regional specialization and adaptation, increased social complexity. Projectile points include an assortment of large straight, expanding, and contracting stem points and smaller stemmed and side notched types (ex - Ledbetter, Merom-Trimble projectile points)			
	1,000 BC - 1000 AD		Distinguished by the manufacture of pottery, earthworks, and farming subsistence.			
	Early 1000 - 200 BC		Ceramics appear (Pine Mountain, Baumer, and Alexandria series pottery), construction of earthen enclosures and burial mounds initiated (ex - Cresap, Robbins, Adena Stemmed, Cypress Creek projectile points)			
Woodland	Middle 200 BC - 500 AD		Construction of earthen enclosures and burial mounds expands. Adena and Crab Orchard cultural adaptions appear. (ex - Synders, Copena Steuben, Lowe, and Chesser projectile points)			
	Late 500 - 1000 AD		Increased nucleation of local populations and shift toward more sedentary lifestyle with an increased use of native cultigens development of bow and arrow (ex - Jack's Reef, Raccoon, Levanna projectile points)			

Table 1. Pre-Contact Overview for Kentucky.

Context	Sub Periods Date Range		Characteristics		
Late Prehistoric	1000-	-1700 AD	Shell tempered ceramics, small triangular projectile points, increased reliance on corn and beans, permanent villages, decreased use of native plants and cultigens (Madison, Fort Ancient projectile points)		

Protohistoric and Historic Aboriginal Occupation (ca. A.D. 1700 on)

By the beginning of the sixteenth century the Ohio Valley was populated by a number of apparently sedentary aboriginal groups. It is assumed that as long as 200 years before direct contact with Europeans was established in the Ohio Valley, their presence in the New World affected an ecological system that had existed over many millennia (Sharp 1996:181). Through indirect exchange, the Fort Ancient/Shawnee peoples of the Ohio Valley obtained European trade goods, as well as European diseases (Cowan 1987:30-31; Sharp 1996:181): Etiological studies of disease have shown that contagion follows the same routes along which goods and information are transmitted. Consequently, the diseases that remained muted as endemic forms in European raged in epidemic proportions in the New World, devastating the aboriginal inhabitants.

After 1680, aboriginal groups in the Ohio Valley were disrupted by stress created in the wake of shifting fur trade patterns, as other tribes from the northeast forced the local groups out to utilize the territory to hunt for beaver pelts (Cowan 1987:31; Sharp 1996:181). The economics of fur trading demanded a reorganization of territories that had previously been exploited only for hunting and gathering. In 1672, the Iroquois conquered the Shawnee and forced them from Ohio and Kentucky to Illinois, South Carolina and Alabama. The consequences of this, coupled with the increasing westward displacement of eastern aboriginal groups, resulted in the region being "repopulated by Indian groups whose original homes lay beyond its borders" (Hunter 1978:588).

In the 1750s, the Shawnee returned to the central Ohio Valley, only to face the Europeans rather than the Iroquois (Cowan 1987:31). Although the majority of the Shawnees lived north of the Ohio River, there were numerous small settlements through Kentucky by 1750, in addition to the large Shawnee trading centers of Lower Shawneetown and Eskipakithiki along the Warriors Trail (Jobe et al. 1980:36). Shawnee villages were semi-permanent settlements composed of bark-covered lodges, sweathouses, and central structures used for ritual and secular celebrations (Clark 1974:85-90). During the summer months, crops were tended in fields near the towns. In the fall, the inhabitants dispersed to winter camps in sheltered valleys to hunt and trap, as the fur trade had become part of the Shawnee economy (Muller 1986:264). By 1795, when the Treaty of Greenville absorbed the previously aboriginal land of Ohio into the United States, only a few Native American communities remained in the area (Henderson et al. 1992:270).

Contact Period sites in northeastern Kentucky such as Hardin Village (occupied between 1500-1600) and Bentley (occupied from 1730-1758) have yielded European trade goods in association with artifacts diagnostic of the Madisonville Phase of Fort Ancient (Railey 1996:171-175). The artifact assemblage of the Bentley site (also known as Lower Shawneetown) contains both Madisonville Phase artifacts, similar to those found at Hardin Village, and Euro-American trade goods dated to

the middle of the eighteenth century (Henderson et al. 1992:271). Because Lower Shawneetown is a historically documented Shawnee village, they suggest that at least some of the Madisonville Fort Ancient sites are historically antecedent to later Shawnee groups.

Early Historic Occupation (ca. AD 1700 on)

Throughout the first half of the eighteenth century, Britain and France vied for control of much of the area west of the Alleghenies since access to a profitable fur trading network was at stake. The fur traders themselves served as surrogates for the respective countries in this network, and their presence in the New World entangled the aboriginal groups with whom they were trading, (in particular, the Shawnees), in nationalistic conflicts. The frontier was shattered by tensions between aboriginal groups displaced by expanded hunting territories and encroaching settlers, between foreign governments struggling for control of valuable trade networks, and between foreign governments and nonallied aboriginal groups. The number of factions which resulted in intermittent skirmishes and full-scale war was staggering.

Following the American Revolution, the peace treaty signed with the British granted America a boundary that extended to the Mississippi River. Along with this territory, the British abandoned their native allies as well, and it was within this context that post-war Indian policy was formulated. The treaty signed at Fort Stanwix in 1784, for example, reflected the notion that the Iroquois had forfeited all claim to their land by fighting with the British against the emerging American nation (Johnson et al. 1978:80). Prior to the Treaty of Fort Stanwix, the area was still claimed by the Iroquois Confederacy, together with the Shawnees, Delawares and Mingos.

Aboriginal trails were used extensively by the first settlers, and not only directed their movements but also outlined many later transportation systems (Wallace 1971). The trails provided direct routes between villages and towns, and most traversed dry, level land. They provided the first access to suitably habitable areas and later guided engineers in constructing stable, permanent road systems. The evolution of the modern highway network parallels the development of settlements. Initial settlement was retarded not only by the uncertainty of land titles and the danger of Indian attacks, but also by inadequate transportation. Farmsteads were geared to subsistence partly because marketing products was difficult and expensive. The chief avenues for bringing goods and provisions into the project area, prior to the building of all-weather roads, were the major drainages and their larger tributaries.

Agriculture, originally for subsistence and later for profit, often shaped settlement priorities in the Central Ohio Valley. As choice land along larger drainages became inhabited, later settlers were forced to move inland to less immediately hospitable environments. In the upland areas, one of the most important criteria for situating early Euro-American homesteads was the proximity of a source of pure water. Perceptions of vegetation as an indicator of soil fertility played a part as well. Sincewells were an expensive proposition, settlements were often made near springs (Hulbert 1930:144). In addition, the farms of the settlers frequently used natural topographic features as boundaries--generally creeks or the tops of ridges. As a result, farmsteads were often shaped like bowls, since farm buildings were laid out in valleys, and the surrounding uplands formed the boundaries. The first homesteads were built of unhewn logs joined by a mixture of moss or straw

and mud. Later, as sawmills increased production, frame dwellings were built, along with occasional brick or stone houses. Besides the main dwelling structure and a shelter for livestock, farmsteads often included a springhouse, woodhouse, and smokehouse.

Around 1800, the primary source of energy harnessed to exploit the environment was human labor. After 1830, livestock were employed to draw carts, plows, cultivators, and harvesting equipment. With the introduction of improved farm machinery, there was an increased demand for horses a general displacement of oxen. In the winter, however, oxen could be driven through the snow more safely than horses, and were depended upon to initially clear the roads. In 1885, the combined harvester and thresher was developed. When this combination was harnessed to a steam-powered (and later a gasoline-powered) traction device farm acreage increased, and labor subsequently decreased. By the beginning of the twentieth century, the total number of acres devoted to farming in the state began to shrink, as did the number of farms and farmers, while the absolute size of individual farms began to increase. This was partly due to the intensification of technology, the amalgamation of small plots, encroaching urbanization, and the abandonment of poorer districts (Warminski 2000).

Saw mills and grist mills were the first industries to extensively utilize local resources. Originally, lumbering was chiefly a by-product of land clearing for agricultural purposes, with local consumers being the chief beneficiaries. However, with the advent of steam-powered machinery (1815-1825), saw mills began to produce lumber for outside markets. While lumber mills were apparently transient and subject to the supply of timber in a local area, grist mills, sometimes located beside or near lumber mills, provided a stabilizing influence on regional economics. Indeed, the primary purpose of most early roads was to provide access to mills for farmers to grind their grain. The successful harnessing of water power ensured that productive energy was concentrated in a single, fixed location, which caused the further concentration of auxiliary shops and services (Warminski 2000).

Specific events in the study area occurred within the larger developmental pattern of early American history. In 1768, the Treaty of Fort Stanwix wrested Kentucky from the Iroquois confederacy, the Shawnees, and the Delawares. Prior to this time it was illegal for white settlers to encroach upon the Kentucky area because it had been reserved as Indian territory. Kentucky was made part of Fincastle County, Virginia, by the Treaty of Fort Stanwix and placed under the ultimate jurisdiction of the British Crown until after the American Revolution. Kentucky County was created out of Fincastle County in 1776. After several other subdivisions of counties in the late 1780's, Kentucky was made a Commonwealth in 1792 (Warminski 2000).

Brief History of Hopkins County

Hopkins County was formed in 1806 from Henderson County and was named after General Samuel Hopkins, an office who served in both the American Revolutionary War and the War of 1812. Coal mining is popular in the southern part of the county while agriculture is a mainstay in the northern part of the county. In 1987, farms occupied 41 percent of the land area in Hopkins County. The county seat is Madisonville. The 2020 US census counted 45,432 individuals living in Hopkins County.

Results of the Background and Literature Reviews

Prior to the initiation of fieldwork, a project registration and data request was submitted to the OSA (FY24-12892) on July 1, 2024 by *Environment & Archaeology* Principal Investigator Luke W. Erickson, M.A. Mr. Erickson also performed a records check of the KHC database using their online portal. These results indicated that no cultural resource surveys, sites, or historic resources were recorded within or immediately adjacent to the APE (Figure 2).

Previously Recorded Resources

Although there were no previously recorded cultural resources within or immediately adjacent to the APE, there were 2 archaeology sites (Table 2), 7 archaeological surveys (Table 3), 2 NRHP listed districts (Madisonville Commercial Historic District and North Main Street Historic District, with 71 contributing resources between them), 1 large NRHP resource (Madisonville Tuberculosis Hospital), 2 cemeteries (Teague and the Odd Fellows Cemeteries), 82 Historic Resources, 9 Coded Properties, 4 Demolished Historic Resources, and 1 Preliminary Historic Resource, previously recorded within a 1.2-mi (2-km) radius of the APE (Figure 2 and Appendix A). Unfortunately, due to unknown issues with the KHC GIS website, only the Demolished Historic Resources had downloadable data able to be displayed on Figure 2. The remaining resources previously mentioned are provided in Appendix A.

Table 2. Previously Recorded Archaeological Sites within 1.2-mi (2-km) of the APE.

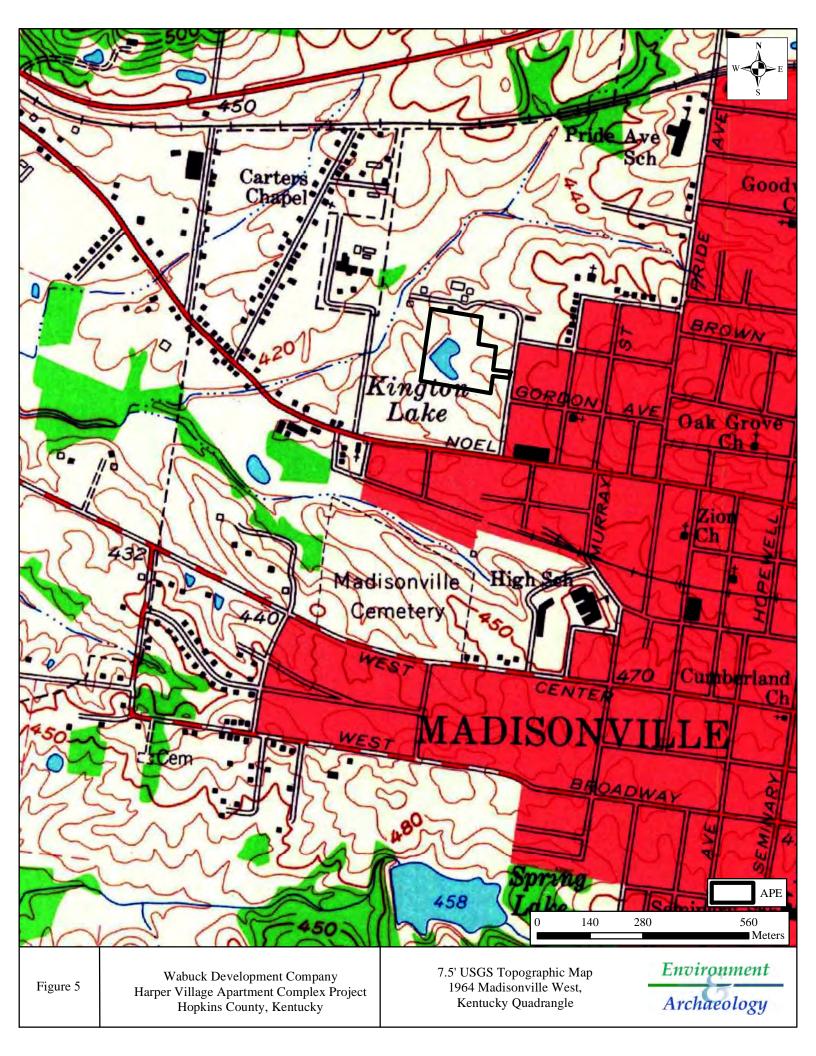
Site No.	Description	NRHP Status
15Hk374	Preliminary archaeology site. No information available in KHC GIS database at this time	n/a
05400000	Unconfirmed archaeological site boundary. Possible Archaic site.	n/a

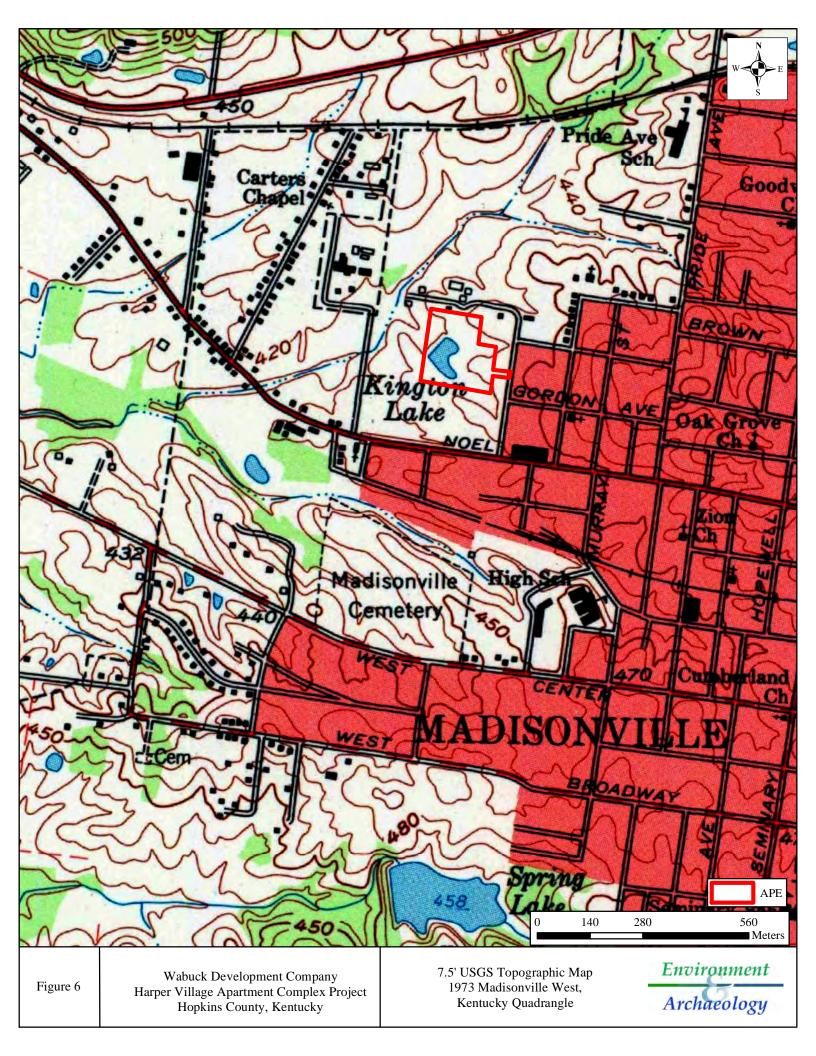
Table 3. Previously Recorded Cultural Resource Surveys within 1.2-mi (2-km) of the APE.

SHPO Id, Year	Description			
054-009, 1978	McGraw, B.J., Survey of the Railroad Force Main and Pumping Station Sanitary Sewer Improvements, Madisonville, KY.			
054-028, 1985	Schock, J.M., Survey of 18-acres for a Fishing Dock Replacement and Boy Scout Shelter near PeeWee Lake, Hopkins County, KY.			
054-040, 1989	Janzen, D.E., Survey of a Borrow Site for the Greasy Creek Bridge Project, Hopkins County, KY.			
054-149, 1993	Smith, H.E., Survey for a Sewer Line Extension within the City of Madisonville, Hopkins County, KY.			
054-163, 2008	Bundy, P. et al., Survey of the Area Affected by the Reconstruction of US 41A North of Madisonville, Hopkins County, KY.			
054-180, 2011	Sullivan, T., Survey of a Proposed 50x50-ft Cell Tower Platform and Access Route at the Arch Site, Madisonville, Hopkins County, KY.			
054-197, 2015	Foster, A.L., Survey of Mahr Park in Madisonville, Hopkins County, KY.			

Historic Maps and Aerials

The 1964 and 1973 7.5-minute USGS Madisonville West, Kentucky quadrangles did not contain any mapped residence or barn icons within the APE (Figure 5 and Figure 6). However, these quadrangles did contain Kington Lake mapped within the APE. Aerial imagery for the APE was available as far back as 1950. The aerials from 1951 to 1969 show the historic location of Kington Lake within the APE, with the lake gone (filled in) by the 1982 aerial. The historic and current land use of the APE around Kington Lake and then over the former location of Kington Lake, appears to have been open agricultural field.





FIELD METHODS

The methodology employed for this Phase I Survey emphasized inspection of sample loci. Any designated point at which data was collected is referred to as a sample locus. For this Project, sample loci included shovel test probe locations.

Phase I investigations of the proposed APE conformed to the requirements established by the Sanders (2017) Specifications for Conducting Fieldwork and Preparing Cultural Resource Assessment Reports. Shovel testing was conducted at 66-foot (ft) (20-meter [m]) intervals within the APE.

The shovel test probes excavated adhered to SHPO standards. Shovel tests were 12-inches (in) (30-centimeters [cm]) in diameter. All deposits excavated via shovel testing were screened through a 0.25-in (0.64-cm) mesh screen. Shovel tests were excavated to a maximum of 4-in (10-cm) into sterile subsoil or 20-in (50-cm) below ground surface. The location of each sample locus was recorded with a GPS and notes taken of the results. Notes describing soil color and soil texture were recorded for each shovel test. All shovel tests were backfilled and tamped. Representative photographs were taken of the APE and excavated shovel tests.

RESULTS

The investigated archaeological APE is in an open field currently covered in grass (Figure 7). The APE is in the Loring-Grenada-Calloway soil association (Forsythe 1977). These are deep, moderately well drained and somewhat poorly drained, nearly level to sloping, medium textured soils found on uplands. There were three mapped soil series within the investigated APE (Table 4 and Figure 8).

Table 4. Soil Series mapped within the APE.

Soil	Description			
uHosB	Hosmer silt loam, 2 to 6 percent slopes, non-hydric, moderately well drained soils consisting of thick-fine-silty			
	noncalcareous loess found on ridges.			
uHosB2	Hosmer silt loam, 2 to 6 percent slopes, eroded, non-hydric, moderately well drained soils consisting of thick			
	fine-silty noncalcareous loess found on ridges.			
ZnC3	Zanesville silt loam, 6 to 12 percent slopes, severely eroded, non-hydric, moderately well drained soils consisting			
	of thin fine-silty noncalcareous loess over loamy residuum weathered from sandstone and siltstone.			

There was less than five percent surface visibility in the APE, so the APE was investigated with shovel testing. In all, 105 STP were investigated, of those: 57 STPs were excavated, contained intact soils, and were negative for cultural material; 44 STPs were excavated, contained disturbed soils and were negative for cultural material; 1 STP was excavated and became inundated with water; and 3 STPs were located in areas of standing water and were not excavated (Figure 8). Aerial imagery for the APE was available back to 1950. The aerials from 1951 to 1969 show the historic location of Kington Lake within the APE, with the lake gone (drained and filled in?) by the 1982 aerial. The disturbed soil along the western portion of the APE is likely attributed to the draining and infilling of Kington Lake. The disturbed soil along the eastern part of the APE might be able to be attributed to the construction of the houses along Browning Street.

The observed intact soil profiles were consistent with the mapped soils series within the APE. The intact soils encountered consisted of a 25-cm (8-in) thick layer of 7.5YR 4/4 silt loam followed by a 7.5YR 5/4 silt loam (Figure 9). The disturbed soils along the eastern part of the APE consisted of a 20-cm (8-in) thick layer of 10YR 6/6 mottled with a 10YR 6/1 (Figure 11). The disturbed soil in the area of the former Kington Lake consisted of imported fill material.

In a March 12, 2024 letter and a follow-up email on June 6, 2024 to Wabuck, the SHPO did not have any above-ground concerns for the proposed Project. As such, a viewshed analysis and historic structural survey were not performed for the proposed Project.

It is the recommendation of *Environment & Archaeology* that the proposed Project does not affect any cultural resources eligible for the NRHP; therefore, no further consultation under Section 106 of NHPA is recommended.



Figure 7. Overview of the APE facing south from STP G6.

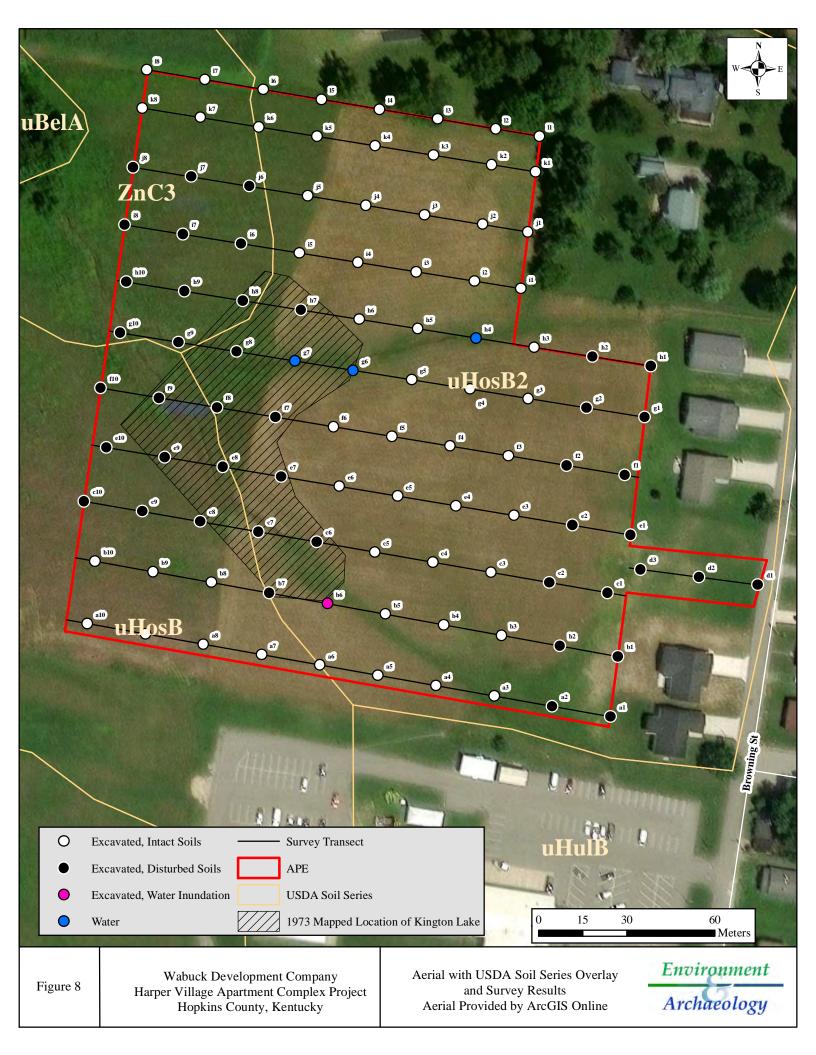




Figure 9. STP E4.



Figure 10. STP C1.

CONCLUSIONS AND RECOMMENDATIONS

Environment & Archaeology, under contract to Wabuck, conducted Phase I archaeological investigations for the proposed Project. The Project will consist of the construction of nine new two-story residential buildings resulting in 32 new individual units of affordable housing in Madisonville, Hopkins County, Kentucky. The Project appears on the 1973 USGS 7.5-minute Madisonville West, Kentucky quadrangle. The Project is under the jurisdiction of the HUD; therefore, the Project is subject to review under Section 106 of the NHPA, 1966 (as amended).

The 8.3-ac (3.3-ha) archaeological APE was located within an open field currently in grass west of Browning Steer and north of Praise Temple (725 W Noel Avenue, Madisonville, Kentucky). Site file checks with the OSA and the KHC revealed no cultural resource investigations, archaeological sites, or historic resources were previously recorded within or immediately adjacent to the APE. Approximately 30 hours were spent in the field from July 16 to July 18, 2024. There were no constraints to the survey and the APE was investigated through the excavation of STPs. This work was conducted in compliance with Section 106 of the NHPA of 1966 (PL 89-665) and the implementing regulations contained in the Protection of Historic Cultural Properties (36 CFR 800). The Phase I Survey of the proposed Project was performed to SHPO standards and followed the SOI Guidelines. No archaeological sites were identified as a result of the Phase I Survey of the Project APE.

In a March 12, 2024 letter and a follow-up email on June 6, 2024 to Wabuck, the SHPO did not have any above-ground concerns for the proposed Project. As such, a viewshed analysis and historic structural survey were not performed for the proposed Project. It is the recommendation of *Environment & Archaeology* that the proposed Project does not affect any cultural resources eligible for the NRHP; therefore, no further consultation under Section 106 of NHPA is recommended.

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APPENDIX A: Project Correspondence



ANDY BESHEAR
GOVERNOR

TOURISM, ARTS AND HERITAGE CABINET KENTUCKY HERITAGE COUNCIL THE STATE HISTORIC PRESERVATION OFFICE

LINDY CASEBIER
SECRETARY

JACQUELINE COLEMAN LT. GOVERNOR 410 HIGH STREET FRANKFORT, KENTUCKY 40601 (502) 564-7005 www.heritage.ky.gov

CRAIG A. POTTS
EXECUTIVE DIRECTOR &
STATE HISTORIC PRESERVATION OFFICER

March 12, 2024

April Bowman
Wabuck
100 Wabuck Drive
Leitchfield, KY 42754
April.Bowman@wabuck.com

RE: DLG, Harper Village Apartment Complex, near 445 Browning Road,

Madisonville, Hopkins County, Kentucky

Dear Ms. Bowman:

Thank you for your submittal of maps and project specifics for the above-referenced undertaking. We understand the Applicant is proposing to construct the Harper Village affordable housing complex in Madisonville, Kentucky. Proposed project activities include the construction of five buildings, as well as parking, access, and associated actions.

Should you have any questions, please feel free to contact Gabrielle Fernandez or Stephanie Dooley of my staff at Gabrielle.Fernandez@ky.gov or Stephanie.Dooley@ky.gov.

Sincerely,

Executive Director and

State Historic Preservation Officer

KHC# 240496 CP: gf, sd



From: Fernandez, Gabrielle (Heritage Council)

To: April Bowman; Dooley, Stephanie (Heritage Council)

Cc: | lerickson@environment-archaeology.com; Suzie Loveday; Anthony Elmore

Subject: Re: Garrison Gardens - Sec 106 Review Date: Thursday, June 6, 2024 3:23:42 PM

Attachments: <u>image001.pnq</u>

image002.png image004.png Outlook-pe1uvo5i.png

Hi April -

I double checked my files for all three of those, and all three will end up being fine for above-ground. We won't be able to comment on effects until the archaeology is ironed out, but the end result for above-ground will be no concerns, so no need for survey. That'll all end up being captured in the final letter with the archaeology comments as well.

Thanks,

Gabrielle Fernandez Historic Preservation Coordinator Kentucky Heritage Council

Important Note about Section 106 Submissions:

In order for your Section 106 submission to be accepted, distributed, and reviewed all documents must be sent via email to our dedicated address: khc.section106@ky.gov.

For additional information on how and what to submit for Section 106 review, please visit our webpage:

https://heritage.kv.gov/compliance/Pages/overview.aspx



From: April Bowman <april.bowman@wabuck.com>

Sent: Tuesday, June 4, 2024 7:31 AM

To: Dooley, Stephanie (Heritage Council) <stephanie.dooley@ky.gov>; Fernandez, Gabrielle (Heritage Council) <gabrielle.fernandez@ky.gov>

Cc: lerickson@environment-archaeology.com <lerickson@environment-archaeology.com>; Suzie Loveday <suzieloveday@lovedayconsulting.com>; Anthony Elmore <anthony.elmore@wabuck.com> **Subject:** RE: Garrison Gardens - Sec 106 Review

Good morning. Thank you so much for providing the transmittals letters for those projects.

With regards to Tracey Terrace, Canon Court, and Harper Village, the letter did not specifically address the need for a historic structure survey. Can you tell me if that will be required? Below are the KHC/SHPO numbers for the projects. Thank you so much!

Tracey Terrace – KHC# 240495 Canon Court – KHC #240497 Harper Village – KHC# 240496

From: Dooley, Stephanie (Heritage Council) <stephanie.dooley@ky.gov>

Sent: Wednesday, March 13, 2024 8:20 AM

To: Fernandez, Gabrielle (Heritage Council) <gabrielle.fernandez@ky.gov>; April Bowman

<april.bowman@wabuck.com>

Subject: Re: Garrison Gardens - Sec 106 Review

Good morning, April!

Here are the other four transmittal letters from our office regarding your submissions.

Stephanie Dooley Transportation Archaeology Review Coordinator Kentucky Heritage Council High Street Frankfort, Kentucky 40601

Important Note about Section 106 Submissions:

In order for your Section 106 submission to be accepted, distributed, and reviewed all documents must be sent via email to our dedicated address: khc.section106@kv.gov.

For additional information on how and what to submit for Section 106 review, please visit our webpage:

https://heritage.ky.gov/compliance/Pages/overview.aspx



From: Dooley, Stephanie (Heritage Council) < stephanie.dooley@ky.gov>

Sent: Tuesday, March 12, 2024 1:09 PM

To: Fernandez, Gabrielle (Heritage Council) <<u>gabrielle.fernandez@ky.gov</u>>; April Bowman

APPENDIX B: Historic Resource from the KHC SFC



KHC Records Check Results showing the resources that were not able to be mapped due to a lack of GIS data.

Site No.	Historic Name	Year	Architectural Style	NRHP Status	Function
HK 66	BOY'S DORMITORY (ATKINSON COLLEGE)	1900-1924	VERNACULAR-20TH CENT.	UNDETERMINED	EDUCATIONAL RELATED HOUSING
HK 214	U. S. POST OFFICE	No Data	No Data	UNDETERMINED	No Data
HK 281	HOUSE	1950-1974	CRAFTSMAN	UNDETERMINED	SINGLE DWELLING
HK 282	HOUSE	1950-1974	No Data	UNDETERMINED	SINGLE DWELLING
HK 283	HOUSE	1925-1949	PRAIRIE/WRIGHTIAN	UNDETERMINED	SINGLE DWELLING
HK 284	HOUSE	1900-1924	OTHER 20TH CENTURY	UNDETERMINED	SINGLE DWELLING
HK 285	HOUSE	1925-1949	COLONIAL REVIVAL	UNDETERMINED	SINGLE DWELLING
HK 288	HOUSE	1925-1949	CRAFTSMAN	UNDETERMINED	SINGLE DWELLING
HK 297 HK 298	HOUSE HOUSE	1925-1949 1925-1949	No Data No Data	UNDETERMINED UNDETERMINED	SINGLE DWELLING SINGLE DWELLING
HK 298	HOUSE	1925-1949	No Data	UNDETERMINED	SINGLE DWELLING SINGLE DWELLING
HK 300	HOUSE	1925-1949	No Data	UNDETERMINED	SINGLE DWELLING
HK 301	HOUSE	1900-1924	No Data	UNDETERMINED	SINGLE DWELLING
HK 302	TEAGUE CEMETERY	1900-1924	No Data	UNDETERMINED	CEMETERY - GENERAL
HK 303	HOUSE	1925-1949	No Data	UNDETERMINED	SINGLE DWELLING
HK 304	HOUSE	1925-1949	No Data	UNDETERMINED	SINGLE DWELLING
HK 305	HOUSE	1925-1949	No Data	UNDETERMINED	SINGLE DWELLING
HKM 1	CHITTENDEN P LYONS JR HOUSE	1850-1874	FEDERAL	NATIONAL REGISTER	SINGLE DWELLING
HKM 2	CAPTAIN L D HOCKERSMITH HOUSE	1875-1899	SECOND EMPIRE/MANSARD	UNDETERMINED	SINGLE DWELLING
НКМ 3	JAMES P LUNSFORD HOUSE	1875-1899	VERNACULAR-VICTORIAN	UNDETERMINED	SINGLE DWELLING
HKM 4	JOHN HARVEY HOUSE	1875-1899	GOTHIC-VICTORIAN	NATIONAL REGISTER	SINGLE DWELLING
HKM 5	STROTHER/ MAJOR MAURICE GORDON HOUSE	1875-1899	COLONIAL REVIVAL	N/R DISTRICT CONTRI. SITE	SINGLE DWELLING
HKM 6	DR THOMAS WRIGHT GARDINER HOUSE	1875-1899	QUEEN ANNE	NATIONAL REGISTER	SINGLE DWELLING
HKM 7	SNOWDOUN	1800-1824	VERNACULAR SETTLEMENT	UNDETERMINED	SINGLE DWELLING
HKM 8	U S POSTOFFICE - MADISONVILLE	1925-1949	VERNACULAR-MODERN	NATIONAL REGISTER	GOVERNMENT, PUBLIC - UNKNOWN
HKM 9	COMMERCIAL BLDG	1875-1899	COMMERCIAL-TOC	UNDETERMINED	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 10	COMMERCIAL BLDG	1900-1924	COMMERCIAL-20TH CENT.	UNDETERMINED	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 11	RUBY LUMBER CO.	1875-1899	COMMERCIAL-20TH CENT.	UNDETERMINED	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 12	EDWARD B BARNHILL HOUSE ELKS HALL	1900-1924 1900-1924	QUEEN ANNE COMMERCIAL-2OTH CENT.	UNDETERMINED UNDETERMINED	SINGLE DWELLING MEETING HALL
HKM 14	SMITH DULIN HOUSE	1900-1924	COLONIAL REVIVAL	UNDETERMINED	SINGLE DWELLING
HKM 15	WALSH HOUSE	1875-1899	VERNACULAR-VICTORIAN	UNDETERMINED	SINGLE DWELLING
HKM 16	LYON-COIL HOUSE	1900-1924	COLONIAL REVIVAL	UNDETERMINED	INDUSTRIAL, ENGINEERING - UNKNOWN
HKM 17	MADISONVILLE PUBLIC LIBRARY	1925-1949	COLONIAL REVIVAL	NATIONAL REGISTER	LIBRARY
HKM 20	EAST BROADWAY SCHOOL	1875-1899	ITALIANATE	UNDETERMINED	SCHOOL
HKM 21	HOUSE	1875-1899	VERNACULAR-VICTORIAN	UNDETERMINED	SINGLE DWELLING
HKM 22	HOCKERSMITH HOUSE	1875-1899	QUEEN ANNE	NATIONAL REGISTER	SINGLE DWELLING
HKM 23	WILLIAMS HOUSE	1875-1899	VERNACULAR-VICTORIAN	UNDETERMINED	SINGLE DWELLING
HKM 24	HOUSE	1875-1899	VERNACULAR-VICTORIAN	UNDETERMINED	SINGLE DWELLING
HKM 25	COMMERCIAL BLDG	1900-1924	COMMERCIAL-20TH CENT.	UNDETERMINED	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 26	PRIMITIVE BAPTIST CHURCH	1900-1924	CRAFTSMAN	UNDETERMINED	RELIGIOUS - UNKNOWN
HKM 27 HKM 28	HOUSE LONG HOUSE	1900-1924 1875-1899	QUEEN ANNE VERNACULAR-VICTORIAN	UNDETERMINED UNDETERMINED	SINGLE DWELLING SINGLE DWELLING
HKM 29	BASSETT HOUSE	1875-1899	VERNACULAR-VICTORIAN VERNACULAR-VICTORIAN	UNDETERMINED	SINGLE DWELLING
HKM 30	WELLS HOUSE	1900-1924	VERNACULAR-VICTORIAN	UNDETERMINED	SINGLE DWELLING
HKM 31	WELLS HOUSE	1900-1924	CRAFTSMAN	UNDETERMINED	SINGLE DWELLING
HKM 32	FIRST UNITED METHODIST CHURCH	1900-1924	CLASSICAL REVIVAL	MEETS N/R CRITERIA	RELIGIOUS - UNKNOWN
HKM 33	HOUSE	1900-1924	COLONIAL REVIVAL	UNDETERMINED	SINGLE DWELLING
HKM 34	MAYFLOWER APARTMENTS	1900-1924	20TH CENT. INSTITUTIONAL	UNDETERMINED	MULTIPLE FAMILY DWELLING
HKM 35	TURNER RUBY HOUSE	1875-1899	COLONIAL REVIVAL	NATIONAL REGISTER	SINGLE DWELLING
HKM 36	HALL STREET SCHOOL DR. BONE HOUSE	1925-1949 1875-1899	20TH CENT. INSTITUTIONAL VERNACULAR-VICTORIAN	UNDETERMINED UNDETERMINED	SCHOOL SINGLE DWELLING
HKM 39	J T ALEXANDER HOUSE	1875-1899	VERNACULAR-VICTORIAN VERNACULAR-VICTORIAN	UNDETERMINED	SINGLE DWELLING SINGLE DWELLING
HKM 40	FRANKLIN HOUSE	1875-1899	QUEEN ANNE	UNDETERMINED	SINGLE DWELLING
HKM 41	HOUSE	1900-1924	VERNACULAR-VICTORIAN	UNDETERMINED	SINGLE DWELLING
HKM 42	HOUSE	1900-1924	QUEEN ANNE	UNDETERMINED	SINGLE DWELLING
HKM 43	HOUSE	1900-1924	CRAFTSMAN	UNDETERMINED	SINGLE DWELLING
HKM 44	HOUSE	1900-1924	VERNACULAR-VICTORIAN	UNDETERMINED	SINGLE DWELLING
HKM 45	WEBSTER GROCERY	1900-1924	COMMERCIAL-20TH CENT.	UNDETERMINED	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 46	MADISONVILLE HIGH SCHOOL HOUSE	1900-1924	20TH CENT. INSTITUTIONAL	UNDETERMINED	SCHOOL SINGLE DWELLING
HKM 47	HOUSE	1900-1924 1900-1924	VERNACULAR-VICTORIAN VERNACULAR-TOC	UNDETERMINED UNDETERMINED	SINGLE DWELLING SINGLE DWELLING
HKM 49	DR. J R CORUM HOUSE	1900-1924	QUEEN ANNE	UNDETERMINED	SINGLE DWELLING SINGLE DWELLING
HKM 50	DULIN HOUSE	1900-1924	COLONIAL REVIVAL	UNDETERMINED	SINGLE DWELLING
		<u> </u>			

Site No.	Historic Name	Year	Anabitaatunal Stula	NRHP Status	Function
HKM 51	HOUSE	1900-1924	Architectural Style VERNACULAR-VICTORIAN	UNDETERMINED	SINGLE DWELLING
HKM 52	CHURCH OF GOD	1900-1924	CRAFTSMAN	UNDETERMINED	RELIGIOUS - UNKNOWN
HKM 53	HOUSE	1875-1899	QUEEN ANNE	UNDETERMINED	SINGLE DWELLING
HKM 54	HOUSE	1900-1924	COLONIAL REVIVAL	UNDETERMINED	SINGLE DWELLING
HKM 55	HOUSE	1900-1924	VERNACULAR-VICTORIAN	UNDETERMINED N/R DISTRICT	SINGLE DWELLING
HKM 56	HOUSE	1900-1924	COLONIAL REVIVAL	CONTRI. SITE	SINGLE DWELLING
HKM 57	CAPTAIN TINDER HOUSE	1900-1924	QUEEN ANNE	PENDING N/R	SINGLE DWELLING
HKM 58	PRESTON B ROSS HOUSE	1900-1924	QUEEN ANNE	N/R DISTRICT CONTRI. SITE	SINGLE DWELLING
HKM 59	HOUSE	1900-1924	QUEEN ANNE	N/R DISTRICT CONTRI. SITE	SINGLE DWELLING
HKM 60	HOUSE	1875-1899	ITALIANATE	N/R DISTRICT CONTRI. SITE	SINGLE DWELLING
HKM 61	S F BROWN HOUSE	1875-1899	QUEEN ANNE	N/R DISTRICT CONTRI. SITE	SINGLE DWELLING
HKM 62	FINLEY HOUSE	1875-1899	QUEEN ANNE	N/R DISTRICT CONTRI. SITE	SINGLE DWELLING
HKM 63	HOUSE	1850-1874	VERNACULAR-ANTEBELLUM	N/R DISTRICT CONTRI. SITE	SINGLE DWELLING
HKM 64	DOLLAR HOUSE	1900-1924	CRAFTSMAN	UNDETERMINED	SINGLE DWELLING
HKM 65	HOUSE	1900-1924	QUEEN ANNE	UNDETERMINED	SINGLE DWELLING
HKM 66	HOUSE	1900-1924	AMERICAN FOURSQUARE	UNDETERMINED	SINGLE DWELLING
HKM 67 HKM 68	HOUSE COMMERCIAL BLDG	1850-1874 1900-1924	VERNACULAR-VICTORIAN COMMERCIAL-TOC	UNDETERMINED UNDETERMINED	SINGLE DWELLING COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
				N/R DISTRICT	
HKM 69	HOUSE ST MARVIS EDISCORAL CHURCH	1900-1924	CLASSICAL REVIVAL CRAFTSMAN	CONTRI. SITE N/R DISTRICT	SINGLE DWELLING
	ST MARY'S EPISCOPAL CHURCH	1900-1924		CONTRI. SITE N/R DISTRICT	RELIGIOUS - UNKNOWN
HKM 71	DUPLEX	1900-1924	CRAFTSMAN	CONTRI. SITE N/R DISTRICT NON-	SINGLE DWELLING
HKM 72	HOUSE	1950-1974	VERNACULAR-MODERN	CONTRIB. N/R DISTRICT	SINGLE DWELLING
HKM 73	FARMERS NATIONAL BANK	1900-1924	COMMERCIAL-TOC	CONTRI. SITE N/R DISTRICT	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 74	HOUSE	1900-1924	VERNACULAR-20TH CENT.	CONTRI. SITE N/R DISTRICT	SINGLE DWELLING
HKM 75	HOUSE	1900-1924	CRAFTSMAN	CONTRI. SITE N/R DISTRICT	SINGLE DWELLING
HKM 76	HOUSE	1900-1924	CRAFTSMAN	CONTRI. SITE N/R DISTRICT	SINGLE DWELLING
HKM 77	HOUSE	1900-1924	CRAFTSMAN	CONTRI. SITE N/R DISTRICT NON-	SINGLE DWELLING
HKM 78	FIRST BAPTIST CHURCH	1950-1974	CLASSICAL REVIVAL	CONTRIB. N/R DISTRICT NON-	RELIGIOUS - UNKNOWN
HKM 79	AMERICAN PRINTING CO BLDG	1925-1949	INTERNATIONAL	CONTRIB.	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 80	KEN GIBSON REALTORS	1925-1949	COMMERCIAL-MODERN	N/R DISTRICT NON- CONTRIB.	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 81	HOUSE	1900-1924	DUTCH COLONIAL REVIVAL	N/R DISTRICT CONTRI. SITE	SINGLE DWELLING
HKM 82	HOUSE	1925-1949	DUTCH COLONIAL REVIVAL	N/R DISTRICT CONTRI. SITE	SINGLE DWELLING
HKM 83	HOUSE (NOW COMMERCIAL)	1925-1949	VERNACULAR-MODERN	N/R DISTRICT NON- CONTRIB. N/R DISTRICT NON-	SINGLE DWELLING
HKM 84	COMMERCIAL BLDG	1875-1899	COMMERCIAL-TOC	CONTRIB.	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 85	HOUSE	1900-1924	VERNACULAR-TOC	N/R DISTRICT NON- CONTRIB. N/R DISTRICT	SINGLE DWELLING
HKM 86	COMMERCIAL BLDG	1900-1924	COMMERCIAL-20TH CENT.	N/R DISTRICT CONTRI. SITE N/R DISTRICT	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 87	COMMERCIAL BLDG	1875-1899	COMMERCIAL-20TH CENT.	CONTRI. SITE	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 88	COMMERCIAL BLDG	1875-1899	COMMERCIAL-20TH CENT.	N/R DISTRICT CONTRI. SITE N/R DISTRICT NON-	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 89	COMMERCIAL BLDG	1875-1899	COMMERCIAL-20TH CENT.	CONTRIB.	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 90	COMMERCIAL BLDG	1900-1924	COMMERCIAL-20TH CENT.	N/R DISTRICT CONTRI. SITE	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 91	COMMERCIAL BLDG	1875-1899	COMMERCIAL-20TH CENT.	N/R DISTRICT CONTRI. SITE	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 92	COMMERCIAL BLDG	1900-1924	COMMERCIAL-20TH CENT.	N/R DISTRICT CONTRI. SITE	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 93	COMMERCIAL BLDG	1875-1899	COMMERCIAL-20TH CENT.	N/R DISTRICT NON- CONTRIB.	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 94	COMMERCIAL BLDG	1875-1899	COMMERCIAL-20TH CENT.	N/R DISTRICT NON- CONTRIB.	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 95	COMMERCIAL BLDG	1900-1924	COMMERCIAL-20TH CENT.	N/R DISTRICT CONTRI. SITE	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 96	MILES OPERA HOUSE	1875-1899	COMMERCIAL-TOC	N/R DISTRICT CONTRI. SITE	THEATRE, CINEMA
HKM 97	COMMERCIAL BLDG	1875-1899	COMMERCIAL-TOC	N/R DISTRICT CONTRI. SITE	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN

Site No.	Historic Name	Year	Architectural Style	NRHP Status	Function
HKM 98	COMMERCIAL BLDG	1875-1899	ITALIANATE	N/R DISTRICT CONTRI. SITE	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 99	COMMERCIAL BLDG	1900-1924	COMMERCIAL-20TH CENT.	N/R DISTRICT NON- CONTRIB.	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 100	COMMERCIAL BLDG	1900-1924	COMMERCIAL-20TH CENT.	N/R DISTRICT CONTRI. SITE	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 101	COMMERCIAL BLDG	1900-1924	COMMERCIAL-20TH CENT.	N/R DISTRICT CONTRI. SITE	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 102	COMMERCIAL BLDG	1900-1924	COMMERCIAL-20TH CENT.	N/R DISTRICT CONTRI. SITE	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 103	MORTON BANK	1875-1899	RICHARDSONIAN ROMANESQUE	N/R DISTRICT CONTRI. SITE	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 104	COMMERCIAL BLDG	1875-1899	COMMERCIAL-TOC	N/R DISTRICT CONTRI. SITE	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 105	COMMERCIAL BLDG	1875-1899	COMMERCIAL-TOC	N/R DISTRICT CONTRI. SITE	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 106	COMMERCIAL BLDG	1900-1924	COMMERCIAL-20TH CENT.	N/R DISTRICT CONTRI. SITE	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 107	COMMERCIAL BLDG	1900-1924	COMMERCIAL-20TH CENT.	N/R DISTRICT CONTRI. SITE	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 108	COMMERCIAL BLDG	1900-1924	COMMERCIAL-20TH CENT.	N/R DISTRICT CONTRI. SITE	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 109	KENTUCKY BANK & TRUST CO.	1900-1924	COMMERCIAL-20TH CENT.	N/R DISTRICT NON- CONTRIB.	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 110	COMMERCIAL BLDG	1875-1899	COMMERCIAL-TOC	N/R DISTRICT NON- CONTRIB.	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 111	COMMERCIAL BLDG	1875-1899	COMMERCIAL-TOC	N/R DISTRICT CONTRI. SITE	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 112	COMMERCIAL BLDG	1875-1899	COMMERCIAL-TOC	N/R DISTRICT CONTRI. SITE	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 113	COMMERCIAL BLDG	1875-1899	COMMERCIAL-TOC	N/R DISTRICT CONTRI. SITE	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 114	DULINS DEPARTMENT STORE (NOW PUBLIC LIBRARY)	1900-1924	COMMERCIAL-20TH CENT.	N/R DISTRICT CONTRI. SITE	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 115	COMMERCIAL BLDG	1925-1949	COMMERCIAL-20TH CENT.	N/R DISTRICT NON- CONTRIB.	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 116	COMMERCIAL BLDG	1900-1924	COMMERCIAL-20TH CENT.	N/R DISTRICT CONTRI. SITE	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 117	COMMERCIAL BLDG	1900-1924	COMMERCIAL-20TH CENT.	N/R DISTRICT CONTRI. SITE	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 118	COMMERCIAL BLDG	1900-1924	COMMERCIAL-20TH CENT.	N/R DISTRICT CONTRI. SITE	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 119	HOPKINS COUNTY COURTHOUSE	1925-1949	CLASSICAL REVIVAL	N/R DISTRICT CONTRI. SITE	GOVERNMENT, PUBLIC - UNKNOWN
HKM 121	CAST IRON FENCE #EL#	No Data	No Data	N/R DISTRICT CONTRI. SITE	No Data
HKM 122	CAST IRON FENCE #EL#	No Data	No Data	N/R DISTRICT CONTRI. SITE	No Data
HKM 166	HOUSE	1900-1924	No Data	UNDETERMINED	SINGLE DWELLING
HKM 167	HOUSE	1900-1924	No Data	UNDETERMINED	SINGLE DWELLING
HKM 168	HOUSE	1925-1949	No Data	UNDETERMINED	SINGLE DWELLING
HKM 169	HOUSE	1925-1949	No Data	UNDETERMINED	SINGLE DWELLING
HKM 172 HKM 172	HOUSE GARAGE	1925-1949 No Data	No Data No Data	UNDETERMINED UNDETERMINED	SINGLE DWELLING GARAGE
HKM 172	HOUSE	1925-1949	No Data No Data	UNDETERMINED	SINGLE DWELLING
HKM 173	GARAGE (NON-HISTORIC)	No Data	No Data	UNDETERMINED	GARAGE
HKM 174	HOUSE	1925-1949	No Data	UNDETERMINED	SINGLE DWELLING
HKM 175	HOUSE	1925-1949	No Data	UNDETERMINED	SINGLE DWELLING
HKM 176	HOUSE	1925-1949	No Data	UNDETERMINED	SINGLE DWELLING
HKM 177	HOUSE	1900-1924	No Data	UNDETERMINED	SINGLE DWELLING
HKM 187	HOUSE	1925-1949	No Data	UNDETERMINED	SINGLE DWELLING
HKM 187	GARAGE	No Data	No Data	UNDETERMINED	GARAGE
HKM 217	MADISONVILLE TUBERCULOSIS HOSPITAL	1925-1949	ART DECO	NATIONAL REGISTER	HOSPITAL
HKM 217	BOILER HOUSE & LAUNDRY	1925-1949	No Data	PART OF N/R COMPLEX	HEALTH CARE - OTHER
HKM 217	STAFF RESIDENCE	1925-1949	No Data	PART OF N/R COMPLEX	HEALTH CARE - OTHER
HKM 218	MADISONVILLE SCHOOL & SHOP (ROSENWALD SCH)	1925-1949	No Data	UNDETERMINED	SCHOOL

Coded Properties

PropertyID	Note on Coded Properties
05400425	No Data
05400426	No Data
05400427	No Data
05400428	No Data
05400429	No Data
05400430	No Data
05400431	No Data
05400432	No Data
05400433	No Data

Preliminary Historic Resource

Site ID	Information
HKM-	No Data

Demolished Historic Resource

SiteNo	SiteNo Historic Name		Function
HKM 165	HOUSE	1900-1924	SINGLE DWELLING
HKM 170	HOUSE	1900-1924	SINGLE DWELLING
HKM 171	HOUSE	1925-1949	SINGLE DWELLING
HKM 186	HOUSE- COMMERCIAL	1925-1949	SINGLE DWELLING

APPENDIX C: Shovel Test Log

Harper Village Apartment Complex Project Shovel Test Log

STP#	Depth (cm)	Soil Description	Artifacts
A1	0-20	10YR 6/6 mottled with 10YR 6/1, graded	_
A2	0-20	10YR 6/6 mottled with 10YR 6/1, graded	_
AL	0-25	7.5YR 4/4 silt loam	-
A3	25-35	7.5YR 5/4 silt clay loam	
	0-25	7.5YR 4/4 silt loam	
A4	25-35	7.5YR 5/4 silt clay loam	┥ -
	0-25	7.5YR 3/4 silt clay foam 7.5YR 4/4 silt loam	
A5	25-35	7.5YR 5/4 silt clay loam	⊣ -
	0-25	7.5YR 4/4 silt loam	
A6	25-35	7.5YR 5/4 silt clay loam	⊣ -
	0-25	7.5YR 4/4 silt loam	
A7	25-35	7.5YR 5/4 silt clay loam	
	0-25	7.5YR 3/4 silt clay foam 7.5YR 4/4 silt loam	
A8			
	25-35	7.5YR 5/4 silt clay loam	
A9	0-25	7.5YR 4/4 silt loam	
	25-35	7.5YR 5/4 silt clay loam 7.5YR 4/4 silt loam	
A10	0-25		
	25-35	7.5YR 5/4 silt clay loam	
B1	0-20	10YR 6/6 mottled with 10YR 6/1, graded	
B2	0-15	10YR 6/6 mottled with 10YR 6/1, graded	-
В3	0-25	7.5YR 4/4 silt loam	_
D 3	25-30	7.5YR 5/4 silt clay loam	
В4	0-25	7.5YR 4/4 silt loam	_
БТ	25-35	7.5YR 5/4 silt clay loam	
В5	0-25	7.5YR 4/4 silt loam	_
D 3	25-35	7.5YR 5/4 silt clay loam	
В6	0-30	10YR 5/1 mottled with 7.5YR 5/4, water inundation	-
В7	0-20	Fill soils	-
DO	0-25	7.5YR 4/4 silt loam	
В8	25-35	7.5YR 5/4 silt clay loam	
DO	0-25	7.5YR 4/4 silt loam	
В9	25-35	7.5YR 5/4 silt clay loam	_
D10	0-25	7.5YR 4/4 silt loam	
B10	25-35	7.5YR 5/4 silt clay loam	
C1	0-20	10YR 6/6 mottled with 10YR 6/1, graded	-
C2	0-20	10YR 6/6 mottled with 10YR 6/1, graded	_
	0-25	7.5YR 4/4 silt loam	
C3	25-35	7.5YR 5/4 silt clay loam	-
	0-25	7.5YR 4/4 silt loam	
C4	25-35	7.5YR 5/4 silt clay loam	-
	0-25	7.5YR 4/4 silt loam	
C5	25-35	7.5YR 5/4 silt clay loam	-
C6	0-25	Fill soils	_
C7	0-25	Fill soils	
			-
C8	0-20	Fill soils	-
C9	0-20	Fill soils	-
C10	0-20	Fill soils	-
D1	0-20	10YR 6/6 mottled with 10YR 6/1, graded	-
D2	0-20	10YR 6/6 mottled with 10YR 6/1, graded	-
D3	0-20	10YR 6/6 mottled with 10YR 6/1, graded	-
E1	0-20	10YR 6/6 mottled with 10YR 6/1, graded	-
E2	0-20	10YR 6/6 mottled with 10YR 6/1, graded	-
E3	0-15	7.5YR 4/4 silt loam	- <u> </u>

STP#	Depth (cm)	Soil Description	Artifacts
	15-25	7.5YR 5/4 silt clay loam	
E4	0-15	7.5YR 4/4 silt loam	_
LŦ	15-25	7.5YR 5/4 silt clay loam	_
E5	0-15	7.5YR 4/4 silt loam	
E3	15-25	7.5YR 5/4 silt clay loam	-
E6	0-20	7.5YR 4/4 silt loam	
E0	20-30	7.5YR 5/4 silt clay loam	-
E7	0-20	Fill soils	
E8	0-20	Fill soils	-
E9	0-20	Fill soils	-
E10	0-20	Fill soils	-
F1	0-20	10YR 6/6 mottled with 10YR 6/1, graded	_
F2	0-20	10YR 6/6 mottled with 10YR 6/1, graded	_
	0-25	7.5YR 4/4 silt loam	
F3	25-35	7.5YR 5/4 silt clay loam	-
	0-25	7.5YR 4/4 silt loam	
F4	25-35	7.5YR 5/4 silt clay loam	-
	0-25	7.5YR 4/4 silt loam	
F5	25-35	7.5YR 5/4 silt clay loam	-
	0-25	7.5YR 4/4 silt loam	
F6	25-35		
F.7		7.5YR 5/4 silt clay loam	
F7	0-25	Fill soils	-
F8	0-25	Fill soils	-
F9	0-25	Fill soils	-
F10	0-25	Fill soils	-
G1	0-20	10YR 6/6 mottled with 10YR 6/1, graded	-
G2	0-20	10YR 6/6 mottled with 10YR 6/1, graded	
G3	0-25	7.5YR 4/4 silt loam	
	25-35	7.5YR 5/4 silt clay loam	
G4	0-25	7.5YR 4/4 silt loam	
<u> </u>	25-35	7.5YR 5/4 silt clay loam	
G5	0-25	7.5YR 4/4 silt loam	
33	25-35	7.5YR 5/4 silt clay loam	
G6	n/a	Standing water	-
G7	n/a	Standing water	-
G8	0-40	Fill soils	-
G9	0-40	Fill soils	-
G10	0-40	Fill soils	-
H1	0-20	10YR 6/6 mottled with 10YR 6/1, graded	-
H2	0-20	10YR 6/6 mottled with 10YR 6/1, graded	-
110	0-25	7.5YR 4/4 silt loam	
Н3	25-35	7.5YR 5/4 silt clay loam	-
H4	n/a	Standing water	_
	0-25	7.5YR 4/4 silt loam	
H5	25-35	7.5YR 5/4 silt clay loam	-
	0-25	7.5YR 4/4 silt loam	
Н6	25-35	7.5YR 5/4 silt clay loam	-
Н7	0-25	Fill soils	
H8	0-23	Fill soils	
H9	0-40	Fill soils	
		Fill soils	
H10	0-40		-
I1	0-25	7.5YR 4/4 silt loam	
	25-35	7.5YR 5/4 silt clay loam	
12	0-25	7.5YR 4/4 silt loam	
	25-35	7.5YR 5/4 silt clay loam	
I3	0-25	7.5YR 4/4 silt loam	-

STP#	Depth (cm)	Soil Description	Artifacts				
	25-35	7.5YR 5/4 silt clay loam					
I4	0-25	7.5YR 4/4 silt loam					
17	25-35	7.5YR 5/4 silt clay loam	-				
15	0-25	7.5YR 4/4 silt loam					
13	25-35	7.5YR 5/4 silt clay loam	-				
I6	0-35	Fill soils	-				
I7	0-35	Fill soils					
18	0-35	Fill soils	-				
T1	0-25	7.5YR 4/4 silt loam					
J1	25-35	7.5YR 5/4 silt clay loam	-				
12	0-25	7.5YR 4/4 silt loam					
J2	25-35	7.5YR 5/4 silt clay loam	-				
12	0-25	7.5YR 4/4 silt loam					
Ј3	25-35	7.5YR 5/4 silt clay loam	-				
7.4	0-25	7.5YR 4/4 silt loam					
J4	25-35	7.5YR 5/4 silt clay loam	-				
	0-25	7.5YR 4/4 silt loam					
J5	25-35	7.5YR 5/4 silt clay loam	-				
J6	0-30	Fill soils	-				
J7	0-30	Fill soils	-				
J8	0-30	Fill soils	_				
	0-25	7.5YR 4/4 silt loam					
K1	25-35	7.5YR 5/4 silt clay loam	-				
	0-25	7.5YR 4/4 silt loam					
K2	25-35	7.5YR 5/4 silt clay loam	-				
	0-25	7.5YR 4/4 silt loam					
К3	25-35	7.5 YR 5/4 silt clay loam	-				
	0-25	7.5YR 4/4 silt loam					
K4	25-35	7.5 YR 5/4 silt clay loam	-				
	0-25	7.5 YR 3/4 silt loam					
K5	25-35	7.5 YR 5/4 silt clay loam	-				
	0-25	7.5YR 4/4 silt loam					
K6	25-35	7.5YR 5/4 silt clay loam	-				
	0-25	7.5YR 4/4 silt loam					
K7	-		-				
	25-35	7.5YR 5/4 silt clay loam 7.5YR 4/4 silt loam					
K8	0-25		-				
	25-35 0-25	7.5YR 5/4 silt clay loam 7.5YR 4/4 silt loam					
L1			-				
	25-35 0-25	7.5YR 5/4 silt clay loam					
L2		7.5YR 4/4 silt loam	-				
	25-35	7.5YR 5/4 silt clay loam 7.5YR 4/4 silt loam					
L3	0-25		-				
	25-35	7.5YR 5/4 silt clay loam					
L4	0-25	7.5YR 4/4 silt loam	-				
	25-35	7.5YR 5/4 silt clay loam					
L5	0-25	7.5YR 4/4 silt loam	-				
	25-35	7.5YR 5/4 silt clay loam					
L6	0-25	7.5YR 4/4 silt loam	-				
	25-35	7.5YR 5/4 silt clay loam					
L7	0-25	7.5YR 4/4 silt loam	-				
	25-35	7.5YR 5/4 silt clay loam					
L8	0-25	7.5YR 4/4 silt loam	-				
	25-35	7.5YR 5/4 silt clay loam					



ANDY BESHEAR
GOVERNOR

TOURISM, ARTS AND HERITAGE CABINET KENTUCKY HERITAGE COUNCIL THE STATE HISTORIC PRESERVATION OFFICE

LINDY CASEBIER
SECRETARY

JACQUELINE COLEMAN LT. GOVERNOR 410 HIGH STREET FRANKFORT, KENTUCKY 40601 (502) 564-7005 www.heritage.ky.gov

CRAIG A. POTTS
EXECUTIVE DIRECTOR &
STATE HISTORIC PRESERVATION OFFICER

August 7, 2024

Luke Erickson
Project Investigator
Environment & Archaeology
221 Main Street
Florence, KY 41042
lerickson@environmental-archaeology.com

RE: DLG, Abbreviated Archaeological Report for the Phase I Survey of the Wabuck

Development Company Harper Village Apartment Complex Project in Hopkins

County, Kentucky

Report by: Luke Erickson

Dear Mr. Erickson:

Thank you for your recent submission of the above referenced archaeology report pertaining to this undertaking. We understand that this investigation covered approximately 8.2 acres with archaeological survey methods including pedestrian survey and supplemental shovel testing. No cultural resources were identified during this investigation.

We would concur with a finding of **No Historic Properties Affected** and accept this report without revisions.

Should you have any questions, please contact Stephanie Dooley of my staff at Stephanie.Dooley@ky.gov.

Sincerely,

Craig A. Potts,

Executive Director and

State Historic Preservation Officer

KHC#s: 241926; previous: 240496

CP: sd





MEMORANDUM

TO: Project File

FROM: Jennifer Oberlin, Environmental Review Technical Administrator

SUBJECT: Tribal Response to Section 106 Consultation Letter

DATE: October 22, 2024

Below you will find a chart that details what tribes were sent a request to be a consulting party for the project describe below, what date they received the consultation request, when a response was received from the tribe and any pertinent comment regarding the response received.

All consultation requests were sent by me via email. Copies of the emails and correspondences sent, and responses received (if they were received) have been included in the source documentation following.

Project Description: Harper Village consists of the construction of 32 affordable multi-family housing units built on 5.08 acres of a 10.78-acre property. It will require considerable ground disturbance on property that has never been developed. The land has previously been used as farmland.

Please note per HUD CPD Notice 12-006 tribes have a 30-day threshold to respond to tribal consultation request. To date no responses have been received.

Chart below reflects the Tribal Consultation Request(s):

Tribe Consulted:	Date Sent:	Response Received or Deadline to Respond Expired Date:
Cherokee Nation	08/20/2024	The Cherokee Nation responded on 9/17/2024 stating that the Nation does not foresee this project imparting impacts to Cherokee cultural resources at this time.
Eastern Band of Cherokee Indians	08/20/2024	No response received by 10/22/2024.
Osage Nation	08/20/2024	No response received by 10/22/2024.



CHEROKEE NATION®

P.O. Box 948 • Tahlequah, OK 74465-0948 918-453-5000 • www.cherokee.org Chuck Hoskin Jr.

Principal Chief
GF FOF \$A\$
0-EOGA

Bryan Warner
Deputy Principal Chief
SZAPVA
WPA DLGA 0-EOGA

September 17, 2024

Jennifer Oberlin Kentucky Housing Corporation 1231 Louisville Rd. Frankfort, KY 40601

Re: Harper Village Apartment Complex

Ms. Jennifer Oberlin:

The Cherokee Nation (Nation) is in receipt of your correspondence about the **Harper Village Apartment Complex**, and appreciates the opportunity to provide comment upon this project. This communication is intended for government-to-government consultation with a sovereign federally recognized Tribal Nation. Information received in consultation will be deemed confidential unless explicit consent is provided by the Nation.

The Nation maintains databases and records of cultural, historic, and pre-historic resources in this area. Our Historic Preservation Office (Office) reviewed this project, cross referenced the project's legal description against our information, and found no instances where this project intersects or adjoins such resources. Thus, the Nation does not foresee this project imparting impacts to Cherokee cultural resources at this time.

However, the Nation requests that the Kentucky Housing Corporation (KHC) halt all project activities immediately and re-contact our Office for further consultation if items of cultural significance are discovered during the course of this project. Additionally, the Nation requests that the KHC conduct appropriate inquiries with other pertinent Historic Preservation Offices regarding historic and prehistoric resources not included in the Nation's databases or records.

If you require additional information or have any questions, please contact me at your convenience. Thank you for your time and attention to this matter.

Wado.

Elizabeth Toombs, Tribal Historic Preservation Officer Cherokee Nation Tribal Historic Preservation Office elizabeth-toombs@cherokee.org

918.453.5389

From: Jennifer Oberlin

Sent: Tuesday, August 20, 2024 1:55 PM **To:** 'Elizabeth-toombs@cherokee.org'

Subject: HUD funded MF Units (38 Family Units) - 445 Browning Street, Madisonville, Hopkins County, KY -

(37.0892, -84.1597)

Attachments: Harper Village - ATTACHMENT.pdf

Dear THPO Toombs – Please find attached KHC's tribal consultation request for the above referenced property.

Harper Village consists of the construction of 32 affordable multi-family housing units built on 5.08 acres of a 10.78-acre property. It will require considerable ground disturbance on property that has never been developed. The land has previously been used a farmland.

We determine that these actions will have no effect on historic properties.

Attachment #1: Provides you with pertinent project information.

Please feel free to reach out to me with any questions or concerns. I can be reached at joberlin@kyhousing.org or 502.564.7630 (121).

Thanks, Jen

Jennifer Oberlin

Pronouns: (she/her)
Environmental Review Technical Administrator
Kentucky Housing Corporation
1231 Louisville Rd.
Frankfort, KY 40601
502-564-7630 (121)
joberlin@kyhousing.org
www.kyhousing.org



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From: postmaster@ebci-nsn.gov

To: Stephen Yerka

Sent: Tuesday, August 20, 2024 2:01 PM

Subject: Delivered: HUD funded MF Units (38 Family Units) - 445 Browning Street, Madisonville, Hopkins

County, KY - (37.0892, -84.1597)

Your message has been delivered to the following recipients:

Stephen Yerka (syerka@nc-cherokee.com)

Subject: HUD funded MF Units (38 Family Units) - 445 Browning Street, Madisonville, Hopkins County, KY - (37.0892, -84.1597)

From: Jennifer Oberlin

Sent: Tuesday, August 20, 2024 1:59 PM

To: Stephen Yerka; ashlstep@nc-cherokee.com

Subject: HUD funded MF Units (38 Family Units) - 445 Browning Street, Madisonville, Hopkins County, KY -

(37.0892, -84.1597)

Attachments: Harper Village - ATTACHMENT.pdf

Dear Principle Chief Sneed and THPO Townsend – Please find attached KHC's tribal consultation request for the above referenced property.

Harper Village consists of the construction of 32 affordable multi-family housing units built on 5.08 acres of a 10.78-acre property. It will require considerable ground disturbance on property that has never been developed. The land has previously been used a farmland.

We determine that these actions will have no effect on historic properties.

Attachment #1: Provides you with pertinent project information.

Please feel free to reach out to me with any questions or concerns. I can be reached at joberlin@kyhousing.org or 502.564.7630 (121).

Thanks, Jen

Jennifer Oberlin

Pronouns: (she/her)
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Kentucky Housing Corporation
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KHC partners can subscribe to FREE email updates for KHC news and announcements. Subscribe to eGrams today!

From: Microsoft Outlook <MicrosoftExchange329e71ec88ae4615bbc36ab6ce41109e@kyhousing.org>

To: thpo@estoo.net; gjwallace@estoo.net **Sent:** Tuesday, August 20, 2024 2:08 PM

Subject: Relayed: HUD funded MF Units (38 Family Units) - 445 Browning Street, Madisonville, Hopkins

County, KY - (37.0892, -84.1597)

Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:

thpo@estoo.net (thpo@estoo.net)

gjwallace@estoo.net (gjwallace@estoo.net)

Subject: HUD funded MF Units (38 Family Units) - 445 Browning Street, Madisonville, Hopkins County, KY - (37.0892, -84.1597)

From: Jennifer Oberlin

Sent: Tuesday, August 20, 2024 2:07 PM **To:** thpo@estoo.net; gjwallace@estoo.net

Subject: HUD funded MF Units (38 Family Units) - 445 Browning Street, Madisonville, Hopkins County, KY -

(37.0892, -84.1597)

Attachments: Harper Village - ATTACHMENT.pdf

Dear Chief Wallace and THPO Nuckolls – Please find attached KHC's tribal consultation request for the above referenced property.

Harper Village consists of the construction of 32 affordable multi-family housing units built on 5.08 acres of a 10.78-acre property. It will require considerable ground disturbance on property that has never been developed. The land has previously been used a farmland.

We determine that these actions will have no effect on historic properties.

Attachment #1: Provides you with pertinent project information.

Please feel free to reach out to me with any questions or concerns. I can be reached at joberlin@kyhousing.org or 502.564.7630 (121).

Thanks, Jen

Jennifer Oberlin

Pronouns: (she/her)
Environmental Review Technical Administrator
Kentucky Housing Corporation
1231 Louisville Rd.
Frankfort, KY 40601
502-564-7630 (121)
joberlin@kyhousing.org
www.kyhousing.org



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From: Microsoft Outlook <MicrosoftExchange329e71ec88ae4615bbc36ab6ce41109e@kyhousing.org>

To: s106@osagenation-nsn.gov
Sent: Tuesday, August 20, 2024 2:10 PM

Subject: Relayed: HUD funded MF Units (38 Family Units) - 445 Browning Street, Madisonville, Hopkins

County, KY - (37.0892, -84.1597)

Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:

s106@osagenation-nsn.gov (s106@osagenation-nsn.gov)

Subject: HUD funded MF Units (38 Family Units) - 445 Browning Street, Madisonville, Hopkins County, KY - (37.0892, -84.1597)

From: Jennifer Oberlin

Sent: Tuesday, August 20, 2024 2:10 PM s106@osagenation-nsn.gov

Subject: HUD funded MF Units (38 Family Units) - 445 Browning Street, Madisonville, Hopkins County, KY -

(37.0892, -84.1597)

Attachments: Harper Village - ATTACHMENT.pdf

Dear Director/THPO Hunter – Please find attached KHC's tribal consultation request for the above referenced property.

Harper Village consists of the construction of 32 affordable multi-family housing units built on 5.08 acres of a 10.78-acre property. It will require considerable ground disturbance on property that has never been developed. The land has previously been used a farmland.

We determine that these actions will have no effect on historic properties.

Attachment #1: Provides you with pertinent project information.

Please feel free to reach out to me with any questions or concerns. I can be reached at joberlin@kyhousing.org or 502.564.7630 (121).

Thanks, Jen

Jennifer Oberlin

Pronouns: (she/her)
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1231 Louisville Rd.
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8/20/24, 1:38 PM TDAT



Tribal Directory Assessment Information



Contact Information for Tribes with Interests in Hopkins County, Kentucky

Tribal Name	•			County Name			
- Cherokee Na	ation			Hopkins			
Contact Name	Title	Mailing Address	Work Phone		Fax Number	Email Address	URL
Elizabeth Toombs	THPO	PO Box 948, Tahlequah, OK - 74465	(918) 453-538	9		elizabeth- toombs@cherokee.or g	http://www.cherokee.c
Eastern Ban	d of Cherokee Indians			Hopki	ns		
Contact Name	Title	Mailing Address	Work Phone		Fax Number	Email Address	URL
Russell Townsend	Tribal Historic Preservation Specialist	Qualla Boundary P.O. Box 455, Cherokee, NC - 28719	(828) 554-685	1	(828) 497-1590	syerka@nc- cherokee.com	https://ebci.com/
Richard Sneed	Principal Chief	88 Council House Loop Road, Cherokee, NC - 28719	(828) 359-700	0	(828) 359-0344	ashlstep@nc- cherokee.com	https://ebci.com/
Eastern Sha	wnee Tribe of Oklahoma			Hopki	ns		
Contact Name	Title	Mailing Address	Work Phone		Fax Number	Email Address	URL
Lora Nuckolls	THPO/Director of Culture Preservation Programs/NAGPRA	70500 E 128 Rd., Wyandotte, OK - 74370	(918) 238-515 1840	1 Ext.	888-971-3905	thpo@estoo.net	www.estoo-nsn.gov
Glenna Wallace	Chief	127 West Oneida, Seneca, MO - 64865	(918) 666-243	5	(918) 666-2186	gjwallace@estoo.net	www.estoo-nsn.gov
 Osage Nation 	n		'	Hopki	ns	'	

https://egis.hud.gov/tdat/

8/20/24, 1:38 PM TDAT

Contact Name	Title	Mailing Address	Work Phone	Fax Number	Email Address	URL
Andrea A. Hunter	Director and THPO	N/A, Pawhuska, OK - 74056	(918) 287-5328	(918) 287-5376	s106@osagenation- nsn.gov	https://www.osagecult ure.com/culture/histori c-preservation-office
1 - 4 of 4 results						« (1) » 10 ∨

https://egis.hud.gov/tdat/

KENTUCKY HERITAGE COUNCIL COVER SHEET FOR SECTION 106 REVIEW AND COMPLIANCE

When federal (and some state) funds, permits or approvals are needed for a project, regulations such as 36 CFR Part 800 require these agencies or their delegates to consult with the Kentucky Heritage Council/State Historic Preservation Office regarding the project's potential effects on historic properties. To facilitate our review, please provide the following information and applicable attachments. Our office will generate a response within 30 days of receipt. Incomplete submissions may be returned for more information.

The state of the s						
SECTION 1: APPLICANT INFORMATION						
Project Sponsor or Applicant:						
Contact Person (name & position):						
Return Address:						
Telephone:	Fax:					
Project Title:						
SECTION 2: AGENCY INFORMATION						
Funding/Permitting Agency:						
Agency Contact Person (name & position):						
Telephone:	E-mail:					
SECTION 3: PROJECT LOCATION						
E911 Street Address (or other description):						
City/Township:	County:					
Latitude:	Longitude:					
SECTION 4: PROJECT TYPE (please check all that	t apply)					
Proposed Activity: ☐ Demolition ☐ Rehabilitation	n □ Structural Relocation □ Trails					
☐ New Construction ☐ Land and/or Building Acquis	sition ☐ Sewer/Water Lines ☐ Roads/Bridges					
☐ Non-Construction Planning/Refinancing ☐ Ot	her (describe):					
SECTION 5: IDENTIFICATION OF KNOWN HISTOR	IIC PROPERTIES					
KHC Preliminary Site Check #:	OSA Preliminary Site Check #:					
If your project involves ground disturbance, has t	he site been previously disturbed?					
☐ Yes (describe in detail below) ☐ No						
le thous countries are 50 years of ago in an visible	from the preject leasting?					
Is there anything over 50 years of age in or visible from the project location? ☐ Yes ☐ No						
SECTION 6: ATTACHMENTS - Attach all as applicable						
All documentation should be labeled with the project i	name or site address.					
□ Clear, current photographs of the project site and anything over 50 years of age in or visible from it. □ Site map/plan indicating the exact location and boundaries of the project area. □ Detailed description of the project (may include plans, scope of work, and other available information.) □ Documentation of prior ground disturbance (e.g. maps, photographs, underground utility plans, etc.) □ Any known information about the history/use of the property and local significance. Submit all information to Craig Potts, Executive Director/SHPO, Kentucky Heritage Council, 410						
High Street, Frankfort, KY 40601.						



Harper Village will be a new construction affordable housing complex containing 8 one-bedroom units, 20 two-bedroom units and 4 three-bedroom units intended to serve the low-to-moderate income population. This is a Rural project located within the city limits of Madisonville, Kentucky designed to serve families. The site is properly zoned for the proposed project and all 32 units will utilize modular manufactured housing which will significantly increase product delivery and cost efficiency.

There was a small lake built there (about 12-14 acres) during the 1960s-70s (see KGS-aerial overlay photo below). It appears to have been removed prior to 1994. Rarely do they demuck that lake bottom when they remove the lake dam. I'd bet there some muck there and it'll require some undercutting. Since the lake was only 10-15 years old, the muck thickness may only be 1-3 feet feet. You can also see in the recent aerials that the grass is dark green along the drainage bottom, which means some wet zones are present year-round.

See screenshots below.



001





Photo No: 002







Photo No:

003

Photo Date: 07/08/2024





Photo No: 004





Photo No:

005

Photo Date: 07/08/2024





Photo No: 006





Photo No: 007

Photo Date: 07/08/2024





Photo No:

008





Photo No: 009

Photo Date: 07/08/2024





Photo No: 010







011

Photo Date: 07/08/2024





Photo No:

012





Photo No:

013

Photo Date: 07/08/2024





Photo No:

014







015

Photo Date: 07/08/2024





Photo No: 016

Photo Date:





Photo No: 017

Photo Date: 07/08/2024





Photo No:

018





Photo No: 019

Photo Date: 07/08/2024





Photo No:

020





Photo No:

021

Photo Date: 07/08/2024





Photo No:

022





Photo No:

023

Photo Date: 07/08/2024





Photo No:

024





Photo No:

025

Photo Date: 07/08/2024





Photo No:

026





Photo No:

027

Photo Date: 07/08/2024





Photo No:

028





Project E&A – 3791 OSA FY24-12875 July 2024

ABBREVIATED ARCHAEOLOGICAL REPORT FOR THE PHASE I SURVEY OF THE WABUCK DEVELOPMENT COMPANY HARPER VILLAGE APARTMENT COMPLEX PROJECT HOPKINS COUNTY, KENTUCKY KHC# 240496

Prepared For:

Wabuck Development Company 100 Wabuck Drive Leitchfield, KY 42754 Attn: Mr. Anthony Elmore

Lead Agency: United States Department of Housing and Urban Development

Prepared By:

Environment & Archaeology
221 Main Street
Florence, Kentucky 41042
(859) 746-1778 (phone)
(859) 746-1788 (fax)

Luke W. Erickson, M.A.
Principal Investigator
lerickson@environment-archaeology.com

Luke W. Erickson

ABSTRACT

Wabuck Development Company (Wabuck) is proposing to construct nine new two-story residential buildings in the City of Madisonville, Hopkins County, Kentucky. This will create 32 new units of affordable housing and will include parking, access, walkways, and utilities. This project is known as the Harper Village Apartment Complex Project (Project). The Project appears on the 1973 USGS 7.5-minute Madisonville West, Kentucky quadrangle. The proposed Project is jurisdictional to the United States Department of Housing and Urban Development (HUD). The Area of Potential Effect (APE) for the Project was 8.2-acres (ac) (3.3 -hectares [ha]) in size.

The Office of State Archaeologist (OSA) and the Kentucky Heritage Council (KHC) records checks indicated that 2 archaeology sites, 7 archaeological surveys, 2 NRHP listed districts (Madisonville Commercial Historic District and North Main Street Historic District, containing 71 contributing resources between them), 1 large NRHP resource (Madisonville Tuberculosis Hospital), 2 cemeteries (Teague and the Odd Fellows Cemeteries), 82 Historic Resources, 9 Coded Properties, 4 Demolished Historic Resources, and 1 Preliminary Historic Resource, were previously recorded within a 1.2-mile (mi) (2-kilometer [km]) radius of the APE. None of these resources were located within the Project APE.

These cultural resource investigations were conducted in compliance with Section 106 of the National Historic Preservation Act (NHPA) (1966, as amended). All work completed for the Project was conducted following the standards established by the State Historic Preservation Office (SHPO) and meets the professional standards set forth in the Secretary of the Interior's (SOI) Guidelines. The archaeological survey of the Project APE was conducted from July 16 to July 18, 2024. No archaeological sites were identified within the APE as a result of the Phase I Survey.

The APE sits in an open field west of Browning Street and north of Praise Temple (725 W Noel Avenue, Madisonville, Kentucky). In a March 12, 2024 letter and a follow-up email on June 6, 2024 to Wabuck, the SHPO did not have any above-ground concerns for the proposed Project. As such, a viewshed analysis and historic structural survey were not performed for the proposed Project. It is the recommendation of *Environment & Archaeology* that the proposed Project does not affect any cultural resources eligible for the NRHP; therefore, no further consultation under Section 106 of NHPA is recommended.

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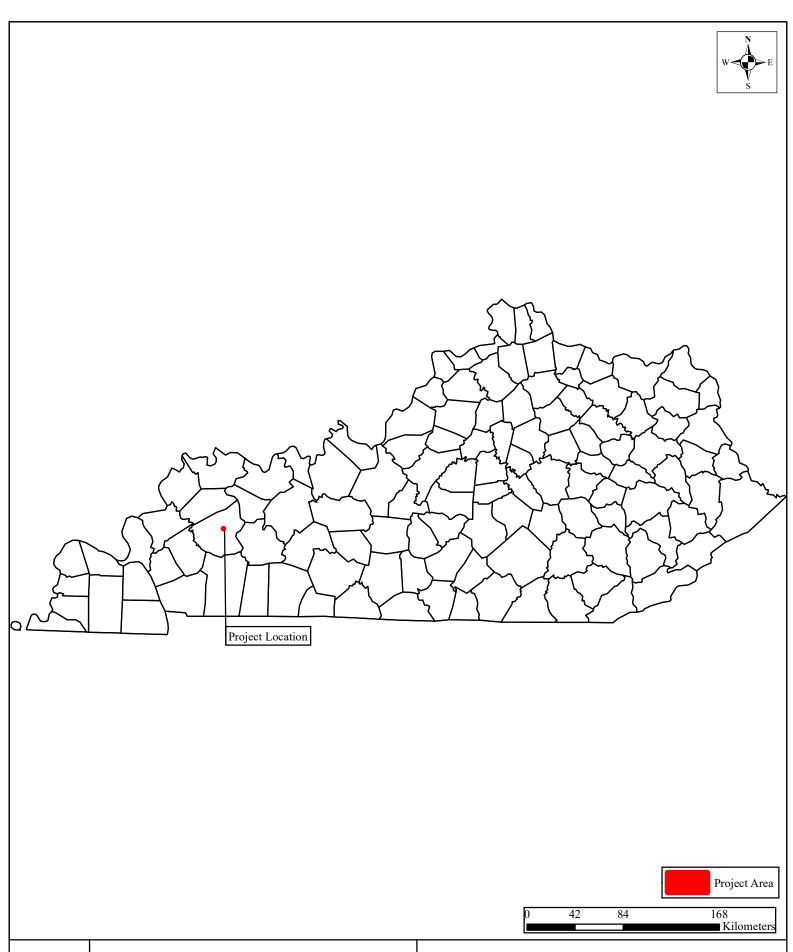
INTRODUCTION

Environment & Archaeology, under contract to Wabuck, conducted Phase I archaeological investigations for the Project. The Project will consist of 9 new two-story residential buildings resulting in 32 new units of affordable housing in the City of Madisonville, Hopkins County, Kentucky. The Project appears on the 1973 USGS 7.5-minute Madisonville West, Kentucky quadrangle (Figure 1 and Figure 2). The Project is under the jurisdiction of the HUD; therefore, the Project is subject to review under Section 106 of the NHPA, 1966 (as amended).

The LOD covered 8.2-ac (3.3-ha) and was determined by Wabuck in order to meet their construction requirements; the LOD constitutes the APE for the Project. The APE was located within an open field west of Browning Street and north of Praise Temple (725 W Noel Avenue, Madisonville, Kentucky) (Figure 3 and Figure 4). A site file check project registration request was submitted by *Environment & Archaeology* Principal Investigator Luke W. Erickson, M.A. to the OSA in Lexington, Kentucky on June 26, 2024 (FY24-12875). The online site file check database at the KHC was accessed by Mr. Erickson on June 26, 2024 for the APE. These data revealed that no cultural resource investigations, archaeological sites, or historic resources were previously recorded within or immediately adjacent to the APE. Approximately 30 hours were spent in the field from July 16 to July 18, 2024. There were no constraints to the survey and the APE was investigated through the excavation of shovel test probes. No archaeological sites or cultural materials were identified.

This work was conducted in compliance with Section 106 of the NHPA of 1966 (PL 89-665) and the implementing regulations contained in the Protection of Historic Cultural Properties (36 CFR 800). The Phase I Survey of the proposed Project was performed to SHPO standards (Sanders 2017) and followed the SOI Guidelines.

The Project was managed by Principal Investigator Luke Erickson, M.A. The fieldwork was under the direction of *Environment & Archaeology* Senior Field Director Michael Shaw, M.A., who was assisted by Field Technician Tom Carmody. Project reporting was the responsibility of Luke Erickson, M.A., who meets the SOI Professional Qualification Standards for Archaeological Investigations. Resumes of Project personnel are already on file with the SHPO. Copies of this report will be provided to Wabuck and the HUD. The Phase I survey was conducted for Mr. Anthony Elmore of Wabuck.



State Ma

Wabuck Development Company Harper Village Apartment Complex Project

Hopkins County, Kentucky

Environment Archaeology

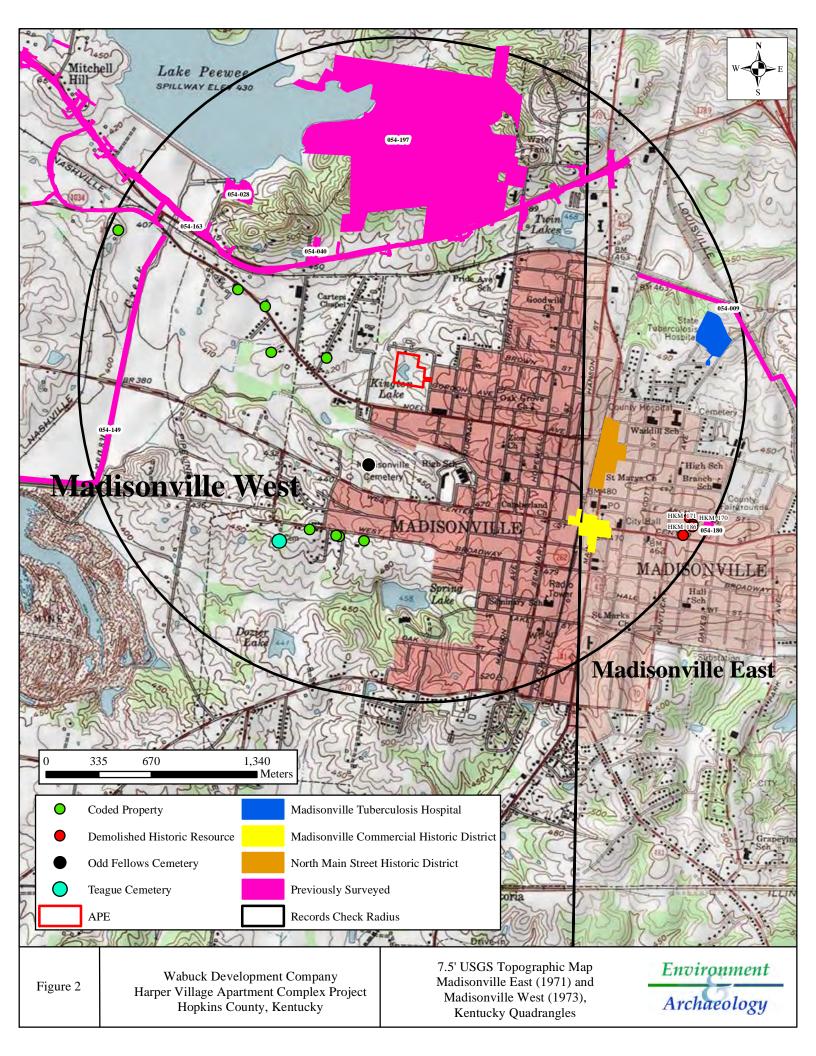




Figure 3. Overview of APE facing west from STP D2.



Figure 4. Overview of APE facing southwest from the center of the APE.

CULTURAL OVERVIEW AND RESULTS OF LITERATURE REVIEW

Cultural Overview of Kentucky

Kentucky is separated into five pre-contact archaeological contexts (Table 1). There are seven Management Areas and 17 Sections in Kentucky with the current APE located within the Western Coalfield (Section E) of the Green River Management Area (Area 2) (Stackelbeck and Mink 2008: 12). Within Section E, approximately 2.7 percent has been surveyed for cultural resources with 1,223 archaeological sites recorded (Stackelbeck and Mink 2008:47).

Section E has 30 Paleoindian sites recorded with 28 of those sites categorized as open habitation w/o mound(s) (Maggard and Stackelbeck 2008:139). There are 309 Archaic sites recorded in Section E. Most (n=282) are categorized as open habitation sites w/o mound(s) (Jefferies 2008:228). Section E contains 115 Woodland sites with 82 of those sites categorized as open habitation w/o mound(s) (Applegate 2008:387). There are 605 Mississippian sites recorded within Area 2 with 469 identified as open habitation sites w/o mound(s) (Pollack 2008:609).

Table 1. Pre-Contact Overview for Kentucky.

Context	Sub Periods Date Range		Characteristics			
Paleoindian	ca 9,500	- 8,000 BC	Small groups of highly mobile hunter-gathers, fluted projectile points (ex - Clovis, Cumberland, Ganey, Plano, Dalton projectile points)			
	8,000 -	- 1,000 BC	Mobile hunter-gatherers, expanded exploitation of natural resources and introduction of new processing techniques and tools, increased social complexity. Introduction of stemmed projectile points.			
	Early	8,000 - 6,000 BC	Continuation of mobile hunter-gatherer patterns of the Paleoindian period. Introduction of stemmed projectile points (ex - Kirk Corner Notched, Thebes, LeCroy, Kanawha projectile points).			
Archaic	Middle	6,000 - 3,000 BC	Increased regional specialization, expansion of exploited resources and introduction of new processing techniques. (ex - Morrow Mountain II, Big Sandy/Godar, Matanzas projectile points)			
	Late	3,000 - 1,000 BC	Greater regional specialization and adaptation, increased social complexity. Projectile points include an assortment of large straight, expanding, and contracting stem points and smaller stemmed and side notched types (ex - Ledbetter, Merom-Trimble projectile points)			
	1,000 BC - 1000 AD		Distinguished by the manufacture of pottery, earthworks, and farming subsistence.			
	Early	1000 - 200 BC	Ceramics appear (Pine Mountain, Baumer, and Alexandria series pottery), construction of earthen enclosures and burial mounds initiated (ex - Cresap, Robbins, Adena Stemmed, Cypress Creek projectile points)			
Woodland	Middle	200 BC - 500 AD	Construction of earthen enclosures and burial mounds expands. Adena and Crab Orchard cultural adaptions appear. (ex - Synders, Copena, Steuben, Lowe, and Chesser projectile points)			
	Late 500 - 1000 AD		Increased nucleation of local populations and shift toward more sedentary lifestyle with an increased use of native cultigens, development of bow and arrow (ex - Jack's Reef, Raccoon, Levanna projectile points)			

Table 1. Pre-Contact Overview for Kentucky.

Context	Sub Periods Date Range		Characteristics				
Late Prehistoric	1000-	-1700 AD	Shell tempered ceramics, small triangular projectile points, increased reliance on corn and beans, permanent villages, decreased use of native plants and cultigens (Madison, Fort Ancient projectile points)				

Protohistoric and Historic Aboriginal Occupation (ca. A.D. 1700 on)

By the beginning of the sixteenth century the Ohio Valley was populated by a number of apparently sedentary aboriginal groups. It is assumed that as long as 200 years before direct contact with Europeans was established in the Ohio Valley, their presence in the New World affected an ecological system that had existed over many millennia (Sharp 1996:181). Through indirect exchange, the Fort Ancient/Shawnee peoples of the Ohio Valley obtained European trade goods, as well as European diseases (Cowan 1987:30-31; Sharp 1996:181): Etiological studies of disease have shown that contagion follows the same routes along which goods and information are transmitted. Consequently, the diseases that remained muted as endemic forms in European raged in epidemic proportions in the New World, devastating the aboriginal inhabitants.

After 1680, aboriginal groups in the Ohio Valley were disrupted by stress created in the wake of shifting fur trade patterns, as other tribes from the northeast forced the local groups out to utilize the territory to hunt for beaver pelts (Cowan 1987:31; Sharp 1996:181). The economics of fur trading demanded a reorganization of territories that had previously been exploited only for hunting and gathering. In 1672, the Iroquois conquered the Shawnee and forced them from Ohio and Kentucky to Illinois, South Carolina and Alabama. The consequences of this, coupled with the increasing westward displacement of eastern aboriginal groups, resulted in the region being "repopulated by Indian groups whose original homes lay beyond its borders" (Hunter 1978:588).

In the 1750s, the Shawnee returned to the central Ohio Valley, only to face the Europeans rather than the Iroquois (Cowan 1987:31). Although the majority of the Shawnees lived north of the Ohio River, there were numerous small settlements through Kentucky by 1750, in addition to the large Shawnee trading centers of Lower Shawneetown and Eskipakithiki along the Warriors Trail (Jobe et al. 1980:36). Shawnee villages were semi-permanent settlements composed of bark-covered lodges, sweathouses, and central structures used for ritual and secular celebrations (Clark 1974:85-90). During the summer months, crops were tended in fields near the towns. In the fall, the inhabitants dispersed to winter camps in sheltered valleys to hunt and trap, as the fur trade had become part of the Shawnee economy (Muller 1986:264). By 1795, when the Treaty of Greenville absorbed the previously aboriginal land of Ohio into the United States, only a few Native American communities remained in the area (Henderson et al. 1992:270).

Contact Period sites in northeastern Kentucky such as Hardin Village (occupied between 1500-1600) and Bentley (occupied from 1730-1758) have yielded European trade goods in association with artifacts diagnostic of the Madisonville Phase of Fort Ancient (Railey 1996:171-175). The artifact assemblage of the Bentley site (also known as Lower Shawneetown) contains both Madisonville Phase artifacts, similar to those found at Hardin Village, and Euro-American trade goods dated to

the middle of the eighteenth century (Henderson et al. 1992:271). Because Lower Shawneetown is a historically documented Shawnee village, they suggest that at least some of the Madisonville Fort Ancient sites are historically antecedent to later Shawnee groups.

Early Historic Occupation (ca. AD 1700 on)

Throughout the first half of the eighteenth century, Britain and France vied for control of much of the area west of the Alleghenies since access to a profitable fur trading network was at stake. The fur traders themselves served as surrogates for the respective countries in this network, and their presence in the New World entangled the aboriginal groups with whom they were trading, (in particular, the Shawnees), in nationalistic conflicts. The frontier was shattered by tensions between aboriginal groups displaced by expanded hunting territories and encroaching settlers, between foreign governments struggling for control of valuable trade networks, and between foreign governments and nonallied aboriginal groups. The number of factions which resulted in intermittent skirmishes and full-scale war was staggering.

Following the American Revolution, the peace treaty signed with the British granted America a boundary that extended to the Mississippi River. Along with this territory, the British abandoned their native allies as well, and it was within this context that post-war Indian policy was formulated. The treaty signed at Fort Stanwix in 1784, for example, reflected the notion that the Iroquois had forfeited all claim to their land by fighting with the British against the emerging American nation (Johnson et al. 1978:80). Prior to the Treaty of Fort Stanwix, the area was still claimed by the Iroquois Confederacy, together with the Shawnees, Delawares and Mingos.

Aboriginal trails were used extensively by the first settlers, and not only directed their movements but also outlined many later transportation systems (Wallace 1971). The trails provided direct routes between villages and towns, and most traversed dry, level land. They provided the first access to suitably habitable areas and later guided engineers in constructing stable, permanent road systems. The evolution of the modern highway network parallels the development of settlements. Initial settlement was retarded not only by the uncertainty of land titles and the danger of Indian attacks, but also by inadequate transportation. Farmsteads were geared to subsistence partly because marketing products was difficult and expensive. The chief avenues for bringing goods and provisions into the project area, prior to the building of all-weather roads, were the major drainages and their larger tributaries.

Agriculture, originally for subsistence and later for profit, often shaped settlement priorities in the Central Ohio Valley. As choice land along larger drainages became inhabited, later settlers were forced to move inland to less immediately hospitable environments. In the upland areas, one of the most important criteria for situating early Euro-American homesteads was the proximity of a source of pure water. Perceptions of vegetation as an indicator of soil fertility played a part as well. Sincewells were an expensive proposition, settlements were often made near springs (Hulbert 1930:144). In addition, the farms of the settlers frequently used natural topographic features as boundaries--generally creeks or the tops of ridges. As a result, farmsteads were often shaped like bowls, since farm buildings were laid out in valleys, and the surrounding uplands formed the boundaries. The first homesteads were built of unhewn logs joined by a mixture of moss or straw

and mud. Later, as sawmills increased production, frame dwellings were built, along with occasional brick or stone houses. Besides the main dwelling structure and a shelter for livestock, farmsteads often included a springhouse, woodhouse, and smokehouse.

Around 1800, the primary source of energy harnessed to exploit the environment was human labor. After 1830, livestock were employed to draw carts, plows, cultivators, and harvesting equipment. With the introduction of improved farm machinery, there was an increased demand for horses a general displacement of oxen. In the winter, however, oxen could be driven through the snow more safely than horses, and were depended upon to initially clear the roads. In 1885, the combined harvester and thresher was developed. When this combination was harnessed to a steam-powered (and later a gasoline-powered) traction device farm acreage increased, and labor subsequently decreased. By the beginning of the twentieth century, the total number of acres devoted to farming in the state began to shrink, as did the number of farms and farmers, while the absolute size of individual farms began to increase. This was partly due to the intensification of technology, the amalgamation of small plots, encroaching urbanization, and the abandonment of poorer districts (Warminski 2000).

Saw mills and grist mills were the first industries to extensively utilize local resources. Originally, lumbering was chiefly a by-product of land clearing for agricultural purposes, with local consumers being the chief beneficiaries. However, with the advent of steam-powered machinery (1815-1825), saw mills began to produce lumber for outside markets. While lumber mills were apparently transient and subject to the supply of timber in a local area, grist mills, sometimes located beside or near lumber mills, provided a stabilizing influence on regional economics. Indeed, the primary purpose of most early roads was to provide access to mills for farmers to grind their grain. The successful harnessing of water power ensured that productive energy was concentrated in a single, fixed location, which caused the further concentration of auxiliary shops and services (Warminski 2000).

Specific events in the study area occurred within the larger developmental pattern of early American history. In 1768, the Treaty of Fort Stanwix wrested Kentucky from the Iroquois confederacy, the Shawnees, and the Delawares. Prior to this time it was illegal for white settlers to encroach upon the Kentucky area because it had been reserved as Indian territory. Kentucky was made part of Fincastle County, Virginia, by the Treaty of Fort Stanwix and placed under the ultimate jurisdiction of the British Crown until after the American Revolution. Kentucky County was created out of Fincastle County in 1776. After several other subdivisions of counties in the late 1780's, Kentucky was made a Commonwealth in 1792 (Warminski 2000).

Brief History of Hopkins County

Hopkins County was formed in 1806 from Henderson County and was named after General Samuel Hopkins, an office who served in both the American Revolutionary War and the War of 1812. Coal mining is popular in the southern part of the county while agriculture is a mainstay in the northern part of the county. In 1987, farms occupied 41 percent of the land area in Hopkins County. The county seat is Madisonville. The 2020 US census counted 45,432 individuals living in Hopkins County.

Results of the Background and Literature Reviews

Prior to the initiation of fieldwork, a project registration and data request was submitted to the OSA (FY24-12892) on July 1, 2024 by *Environment & Archaeology* Principal Investigator Luke W. Erickson, M.A. Mr. Erickson also performed a records check of the KHC database using their online portal. These results indicated that no cultural resource surveys, sites, or historic resources were recorded within or immediately adjacent to the APE (Figure 2).

Previously Recorded Resources

Although there were no previously recorded cultural resources within or immediately adjacent to the APE, there were 2 archaeology sites (Table 2), 7 archaeological surveys (Table 3), 2 NRHP listed districts (Madisonville Commercial Historic District and North Main Street Historic District, with 71 contributing resources between them), 1 large NRHP resource (Madisonville Tuberculosis Hospital), 2 cemeteries (Teague and the Odd Fellows Cemeteries), 82 Historic Resources, 9 Coded Properties, 4 Demolished Historic Resources, and 1 Preliminary Historic Resource, previously recorded within a 1.2-mi (2-km) radius of the APE (Figure 2 and Appendix A). Unfortunately, due to unknown issues with the KHC GIS website, only the Demolished Historic Resources had downloadable data able to be displayed on Figure 2. The remaining resources previously mentioned are provided in Appendix A.

Table 2. Previously Recorded Archaeological Sites within 1.2-mi (2-km) of the APE.

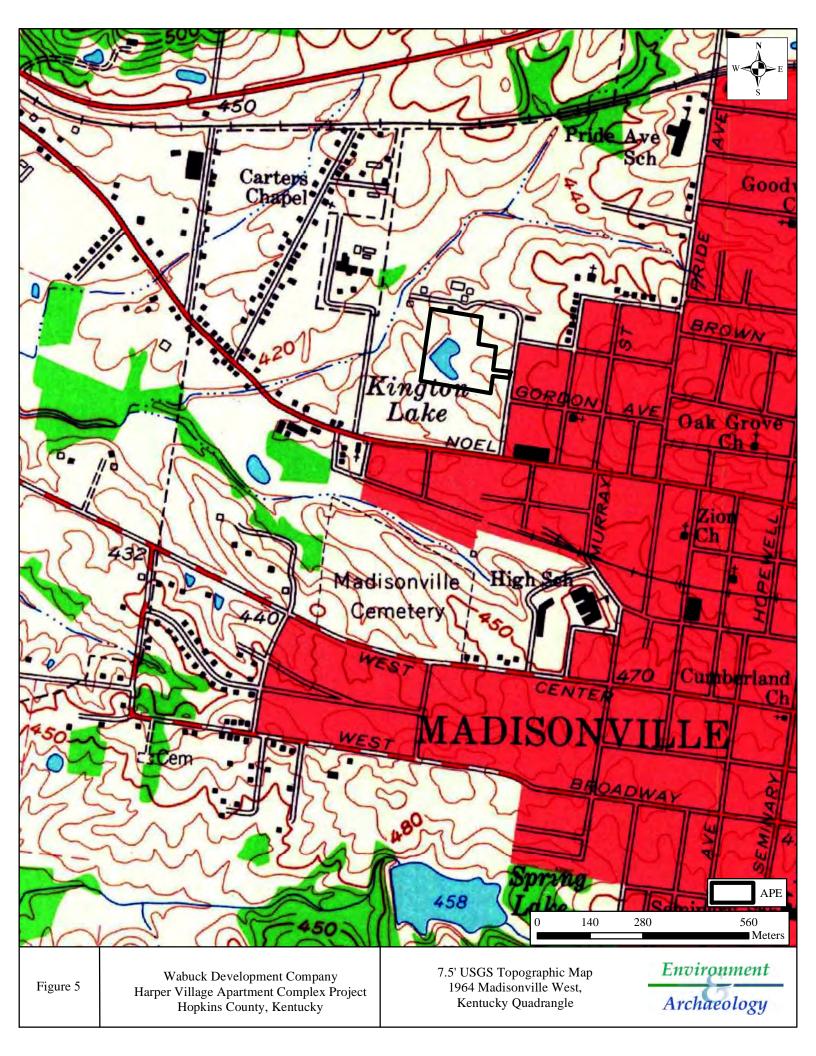
Site No.	Description	NRHP Status
15Hk374	Preliminary archaeology site. No information available in KHC GIS database at this time	n/a
05400000	Unconfirmed archaeological site boundary. Possible Archaic site.	n/a

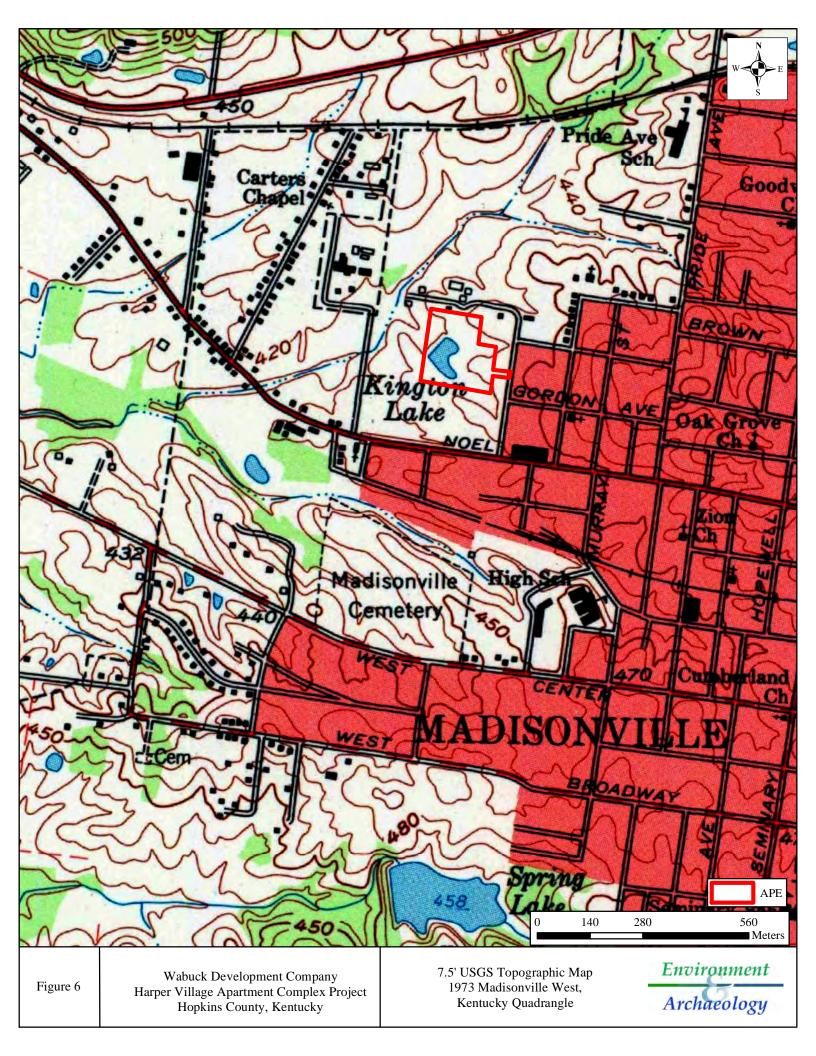
Table 3. Previously Recorded Cultural Resource Surveys within 1.2-mi (2-km) of the APE.

SHPO Id, Year	Description
054-009, 1978	McGraw, B.J., Survey of the Railroad Force Main and Pumping Station Sanitary Sewer Improvements, Madisonville, KY.
054-028, 1985	Schock, J.M., Survey of 18-acres for a Fishing Dock Replacement and Boy Scout Shelter near PeeWee Lake, Hopkins County, KY.
054-040, 1989	Janzen, D.E., Survey of a Borrow Site for the Greasy Creek Bridge Project, Hopkins County, KY.
054-149, 1993	Smith, H.E., Survey for a Sewer Line Extension within the City of Madisonville, Hopkins County, KY.
054-163, 2008	Bundy, P. et al., Survey of the Area Affected by the Reconstruction of US 41A North of Madisonville, Hopkins County, KY.
054-180, 2011	Sullivan, T., Survey of a Proposed 50x50-ft Cell Tower Platform and Access Route at the Arch Site, Madisonville, Hopkins County, KY.
054-197, 2015	Foster, A.L., Survey of Mahr Park in Madisonville, Hopkins County, KY.

Historic Maps and Aerials

The 1964 and 1973 7.5-minute USGS Madisonville West, Kentucky quadrangles did not contain any mapped residence or barn icons within the APE (Figure 5 and Figure 6). However, these quadrangles did contain Kington Lake mapped within the APE. Aerial imagery for the APE was available as far back as 1950. The aerials from 1951 to 1969 show the historic location of Kington Lake within the APE, with the lake gone (filled in) by the 1982 aerial. The historic and current land use of the APE around Kington Lake and then over the former location of Kington Lake, appears to have been open agricultural field.





FIELD METHODS

The methodology employed for this Phase I Survey emphasized inspection of sample loci. Any designated point at which data was collected is referred to as a sample locus. For this Project, sample loci included shovel test probe locations.

Phase I investigations of the proposed APE conformed to the requirements established by the Sanders (2017) Specifications for Conducting Fieldwork and Preparing Cultural Resource Assessment Reports. Shovel testing was conducted at 66-foot (ft) (20-meter [m]) intervals within the APE.

The shovel test probes excavated adhered to SHPO standards. Shovel tests were 12-inches (in) (30-centimeters [cm]) in diameter. All deposits excavated via shovel testing were screened through a 0.25-in (0.64-cm) mesh screen. Shovel tests were excavated to a maximum of 4-in (10-cm) into sterile subsoil or 20-in (50-cm) below ground surface. The location of each sample locus was recorded with a GPS and notes taken of the results. Notes describing soil color and soil texture were recorded for each shovel test. All shovel tests were backfilled and tamped. Representative photographs were taken of the APE and excavated shovel tests.

RESULTS

The investigated archaeological APE is in an open field currently covered in grass (Figure 7). The APE is in the Loring-Grenada-Calloway soil association (Forsythe 1977). These are deep, moderately well drained and somewhat poorly drained, nearly level to sloping, medium textured soils found on uplands. There were three mapped soil series within the investigated APE (Table 4 and Figure 8).

Table 4. Soil Series mapped within the APE.

Soil	Description
uHosB	Hosmer silt loam, 2 to 6 percent slopes, non-hydric, moderately well drained soils consisting of thick-fine-silty
	noncalcareous loess found on ridges.
uHosB2	Hosmer silt loam, 2 to 6 percent slopes, eroded, non-hydric, moderately well drained soils consisting of thick
	fine-silty noncalcareous loess found on ridges.
ZnC3	Zanesville silt loam, 6 to 12 percent slopes, severely eroded, non-hydric, moderately well drained soils consisting
	of thin fine-silty noncalcareous loess over loamy residuum weathered from sandstone and siltstone.

There was less than five percent surface visibility in the APE, so the APE was investigated with shovel testing. In all, 105 STP were investigated, of those: 57 STPs were excavated, contained intact soils, and were negative for cultural material; 44 STPs were excavated, contained disturbed soils and were negative for cultural material; 1 STP was excavated and became inundated with water; and 3 STPs were located in areas of standing water and were not excavated (Figure 8). Aerial imagery for the APE was available back to 1950. The aerials from 1951 to 1969 show the historic location of Kington Lake within the APE, with the lake gone (drained and filled in?) by the 1982 aerial. The disturbed soil along the western portion of the APE is likely attributed to the draining and infilling of Kington Lake. The disturbed soil along the eastern part of the APE might be able to be attributed to the construction of the houses along Browning Street.

The observed intact soil profiles were consistent with the mapped soils series within the APE. The intact soils encountered consisted of a 25-cm (8-in) thick layer of 7.5YR 4/4 silt loam followed by a 7.5YR 5/4 silt loam (Figure 9). The disturbed soils along the eastern part of the APE consisted of a 20-cm (8-in) thick layer of 10YR 6/6 mottled with a 10YR 6/1 (Figure 11). The disturbed soil in the area of the former Kington Lake consisted of imported fill material.

In a March 12, 2024 letter and a follow-up email on June 6, 2024 to Wabuck, the SHPO did not have any above-ground concerns for the proposed Project. As such, a viewshed analysis and historic structural survey were not performed for the proposed Project.

It is the recommendation of *Environment & Archaeology* that the proposed Project does not affect any cultural resources eligible for the NRHP; therefore, no further consultation under Section 106 of NHPA is recommended.



Figure 7. Overview of the APE facing south from STP G6.

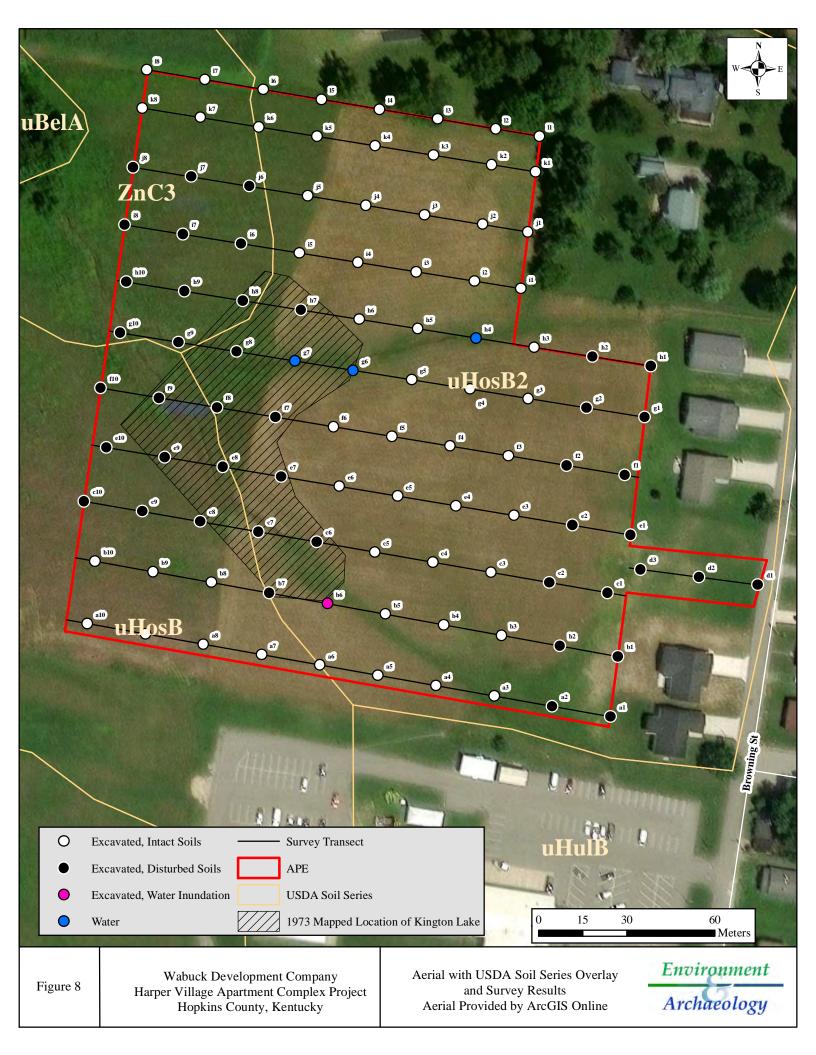




Figure 9. STP E4.



Figure 10. STP C1.

CONCLUSIONS AND RECOMMENDATIONS

Environment & Archaeology, under contract to Wabuck, conducted Phase I archaeological investigations for the proposed Project. The Project will consist of the construction of nine new two-story residential buildings resulting in 32 new individual units of affordable housing in Madisonville, Hopkins County, Kentucky. The Project appears on the 1973 USGS 7.5-minute Madisonville West, Kentucky quadrangle. The Project is under the jurisdiction of the HUD; therefore, the Project is subject to review under Section 106 of the NHPA, 1966 (as amended).

The 8.3-ac (3.3-ha) archaeological APE was located within an open field currently in grass west of Browning Steer and north of Praise Temple (725 W Noel Avenue, Madisonville, Kentucky). Site file checks with the OSA and the KHC revealed no cultural resource investigations, archaeological sites, or historic resources were previously recorded within or immediately adjacent to the APE. Approximately 30 hours were spent in the field from July 16 to July 18, 2024. There were no constraints to the survey and the APE was investigated through the excavation of STPs. This work was conducted in compliance with Section 106 of the NHPA of 1966 (PL 89-665) and the implementing regulations contained in the Protection of Historic Cultural Properties (36 CFR 800). The Phase I Survey of the proposed Project was performed to SHPO standards and followed the SOI Guidelines. No archaeological sites were identified as a result of the Phase I Survey of the Project APE.

In a March 12, 2024 letter and a follow-up email on June 6, 2024 to Wabuck, the SHPO did not have any above-ground concerns for the proposed Project. As such, a viewshed analysis and historic structural survey were not performed for the proposed Project. It is the recommendation of *Environment & Archaeology* that the proposed Project does not affect any cultural resources eligible for the NRHP; therefore, no further consultation under Section 106 of NHPA is recommended.

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APPENDIX A: Project Correspondence



ANDY BESHEAR
GOVERNOR

TOURISM, ARTS AND HERITAGE CABINET KENTUCKY HERITAGE COUNCIL THE STATE HISTORIC PRESERVATION OFFICE

LINDY CASEBIER
SECRETARY

JACQUELINE COLEMAN LT. GOVERNOR 410 HIGH STREET FRANKFORT, KENTUCKY 40601 (502) 564-7005 www.heritage.ky.gov

CRAIG A. POTTS
EXECUTIVE DIRECTOR &
STATE HISTORIC PRESERVATION OFFICER

March 12, 2024

April Bowman
Wabuck
100 Wabuck Drive
Leitchfield, KY 42754
April.Bowman@wabuck.com

RE: DLG, Harper Village Apartment Complex, near 445 Browning Road,

Madisonville, Hopkins County, Kentucky

Dear Ms. Bowman:

Thank you for your submittal of maps and project specifics for the above-referenced undertaking. We understand the Applicant is proposing to construct the Harper Village affordable housing complex in Madisonville, Kentucky. Proposed project activities include the construction of five buildings, as well as parking, access, and associated actions.

Should you have any questions, please feel free to contact Gabrielle Fernandez or Stephanie Dooley of my staff at Gabrielle.Fernandez@ky.gov or Stephanie.Dooley@ky.gov.

Sincerely,

Executive Director and

State Historic Preservation Officer

KHC# 240496 CP: gf, sd



From: Fernandez, Gabrielle (Heritage Council)

To: April Bowman; Dooley, Stephanie (Heritage Council)

Cc: | lerickson@environment-archaeology.com; Suzie Loveday; Anthony Elmore

Subject: Re: Garrison Gardens - Sec 106 Review Date: Thursday, June 6, 2024 3:23:42 PM

Attachments: <u>image001.pnq</u>

image002.png image004.png Outlook-pe1uvo5i.png

Hi April -

I double checked my files for all three of those, and all three will end up being fine for above-ground. We won't be able to comment on effects until the archaeology is ironed out, but the end result for above-ground will be no concerns, so no need for survey. That'll all end up being captured in the final letter with the archaeology comments as well.

Thanks,

Gabrielle Fernandez Historic Preservation Coordinator Kentucky Heritage Council

Important Note about Section 106 Submissions:

In order for your Section 106 submission to be accepted, distributed, and reviewed all documents must be sent via email to our dedicated address: khc.section106@ky.gov.

For additional information on how and what to submit for Section 106 review, please visit our webpage:

https://heritage.kv.gov/compliance/Pages/overview.aspx



From: April Bowman <april.bowman@wabuck.com>

Sent: Tuesday, June 4, 2024 7:31 AM

To: Dooley, Stephanie (Heritage Council) <stephanie.dooley@ky.gov>; Fernandez, Gabrielle (Heritage Council) <gabrielle.fernandez@ky.gov>

Cc: lerickson@environment-archaeology.com <lerickson@environment-archaeology.com>; Suzie Loveday <suzieloveday@lovedayconsulting.com>; Anthony Elmore <anthony.elmore@wabuck.com> **Subject:** RE: Garrison Gardens - Sec 106 Review

Good morning. Thank you so much for providing the transmittals letters for those projects.

With regards to Tracey Terrace, Canon Court, and Harper Village, the letter did not specifically address the need for a historic structure survey. Can you tell me if that will be required? Below are the KHC/SHPO numbers for the projects. Thank you so much!

Tracey Terrace – KHC# 240495 Canon Court – KHC #240497 Harper Village – KHC# 240496

From: Dooley, Stephanie (Heritage Council) <stephanie.dooley@ky.gov>

Sent: Wednesday, March 13, 2024 8:20 AM

To: Fernandez, Gabrielle (Heritage Council) <gabrielle.fernandez@ky.gov>; April Bowman

<april.bowman@wabuck.com>

Subject: Re: Garrison Gardens - Sec 106 Review

Good morning, April!

Here are the other four transmittal letters from our office regarding your submissions.

Stephanie Dooley Transportation Archaeology Review Coordinator Kentucky Heritage Council High Street Frankfort, Kentucky 40601

Important Note about Section 106 Submissions:

In order for your Section 106 submission to be accepted, distributed, and reviewed all documents must be sent via email to our dedicated address: khc.section106@kv.gov.

For additional information on how and what to submit for Section 106 review, please visit our webpage:

https://heritage.ky.gov/compliance/Pages/overview.aspx



From: Dooley, Stephanie (Heritage Council) < stephanie.dooley@ky.gov>

Sent: Tuesday, March 12, 2024 1:09 PM

To: Fernandez, Gabrielle (Heritage Council) <<u>gabrielle.fernandez@ky.gov</u>>; April Bowman

APPENDIX B: Historic Resource from the KHC SFC



KHC Records Check Results showing the resources that were not able to be mapped due to a lack of GIS data.

Site No.	Historic Name	Year	Architectural Style	NRHP Status	Function
HK 66	BOY'S DORMITORY (ATKINSON COLLEGE)	1900-1924	VERNACULAR-20TH CENT.	UNDETERMINED	EDUCATIONAL RELATED HOUSING
HK 214	U. S. POST OFFICE	No Data	No Data	UNDETERMINED	No Data
HK 281	HOUSE	1950-1974	CRAFTSMAN	UNDETERMINED	SINGLE DWELLING
HK 282	HOUSE	1950-1974	No Data	UNDETERMINED	SINGLE DWELLING
HK 283	HOUSE	1925-1949	PRAIRIE/WRIGHTIAN	UNDETERMINED	SINGLE DWELLING
HK 284	HOUSE	1900-1924	OTHER 20TH CENTURY	UNDETERMINED	SINGLE DWELLING
HK 285	HOUSE	1925-1949	COLONIAL REVIVAL	UNDETERMINED	SINGLE DWELLING
HK 288	HOUSE	1925-1949	CRAFTSMAN	UNDETERMINED	SINGLE DWELLING
HK 297 HK 298	HOUSE HOUSE	1925-1949 1925-1949	No Data No Data	UNDETERMINED UNDETERMINED	SINGLE DWELLING SINGLE DWELLING
HK 298	HOUSE	1925-1949	No Data	UNDETERMINED	SINGLE DWELLING SINGLE DWELLING
HK 300	HOUSE	1925-1949	No Data	UNDETERMINED	SINGLE DWELLING
HK 301	HOUSE	1900-1924	No Data	UNDETERMINED	SINGLE DWELLING
HK 302	TEAGUE CEMETERY	1900-1924	No Data	UNDETERMINED	CEMETERY - GENERAL
HK 303	HOUSE	1925-1949	No Data	UNDETERMINED	SINGLE DWELLING
HK 304	HOUSE	1925-1949	No Data	UNDETERMINED	SINGLE DWELLING
HK 305	HOUSE	1925-1949	No Data	UNDETERMINED	SINGLE DWELLING
HKM 1	CHITTENDEN P LYONS JR HOUSE	1850-1874	FEDERAL	NATIONAL REGISTER	SINGLE DWELLING
HKM 2	CAPTAIN L D HOCKERSMITH HOUSE	1875-1899	SECOND EMPIRE/MANSARD	UNDETERMINED	SINGLE DWELLING
НКМ 3	JAMES P LUNSFORD HOUSE	1875-1899	VERNACULAR-VICTORIAN	UNDETERMINED	SINGLE DWELLING
HKM 4	JOHN HARVEY HOUSE	1875-1899	GOTHIC-VICTORIAN	NATIONAL REGISTER	SINGLE DWELLING
HKM 5	STROTHER/ MAJOR MAURICE GORDON HOUSE	1875-1899	COLONIAL REVIVAL	N/R DISTRICT CONTRI. SITE	SINGLE DWELLING
HKM 6	DR THOMAS WRIGHT GARDINER HOUSE	1875-1899	QUEEN ANNE	NATIONAL REGISTER	SINGLE DWELLING
HKM 7	SNOWDOUN	1800-1824	VERNACULAR SETTLEMENT	UNDETERMINED	SINGLE DWELLING
HKM 8	U S POSTOFFICE - MADISONVILLE	1925-1949	VERNACULAR-MODERN	NATIONAL REGISTER	GOVERNMENT, PUBLIC - UNKNOWN
HKM 9	COMMERCIAL BLDG	1875-1899	COMMERCIAL-TOC	UNDETERMINED	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 10	COMMERCIAL BLDG	1900-1924	COMMERCIAL-20TH CENT.	UNDETERMINED	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 11	RUBY LUMBER CO.	1875-1899	COMMERCIAL-20TH CENT.	UNDETERMINED	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 12 HKM 13	EDWARD B BARNHILL HOUSE ELKS HALL	1900-1924 1900-1924	QUEEN ANNE COMMERCIAL-2OTH CENT.	UNDETERMINED UNDETERMINED	SINGLE DWELLING MEETING HALL
HKM 14	SMITH DULIN HOUSE	1900-1924	COLONIAL REVIVAL	UNDETERMINED	SINGLE DWELLING
HKM 15	WALSH HOUSE	1875-1899	VERNACULAR-VICTORIAN	UNDETERMINED	SINGLE DWELLING
HKM 16	LYON-COIL HOUSE	1900-1924	COLONIAL REVIVAL	UNDETERMINED	INDUSTRIAL, ENGINEERING - UNKNOWN
HKM 17	MADISONVILLE PUBLIC LIBRARY	1925-1949	COLONIAL REVIVAL	NATIONAL REGISTER	LIBRARY
HKM 20	EAST BROADWAY SCHOOL	1875-1899	ITALIANATE	UNDETERMINED	SCHOOL
HKM 21	HOUSE	1875-1899	VERNACULAR-VICTORIAN	UNDETERMINED	SINGLE DWELLING
HKM 22	HOCKERSMITH HOUSE	1875-1899	QUEEN ANNE	NATIONAL REGISTER	SINGLE DWELLING
HKM 23	WILLIAMS HOUSE	1875-1899	VERNACULAR-VICTORIAN	UNDETERMINED	SINGLE DWELLING
HKM 24	HOUSE	1875-1899	VERNACULAR-VICTORIAN	UNDETERMINED	SINGLE DWELLING
HKM 25	COMMERCIAL BLDG	1900-1924	COMMERCIAL-20TH CENT.	UNDETERMINED	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 26	PRIMITIVE BAPTIST CHURCH	1900-1924	CRAFTSMAN	UNDETERMINED	RELIGIOUS - UNKNOWN
HKM 27 HKM 28	HOUSE LONG HOUSE	1900-1924 1875-1899	QUEEN ANNE VERNACULAR-VICTORIAN	UNDETERMINED UNDETERMINED	SINGLE DWELLING SINGLE DWELLING
HKM 29	BASSETT HOUSE	1875-1899	VERNACULAR-VICTORIAN VERNACULAR-VICTORIAN	UNDETERMINED	SINGLE DWELLING
HKM 30	WELLS HOUSE	1900-1924	VERNACULAR-VICTORIAN	UNDETERMINED	SINGLE DWELLING
HKM 31	WELLS HOUSE	1900-1924	CRAFTSMAN	UNDETERMINED	SINGLE DWELLING
HKM 32	FIRST UNITED METHODIST CHURCH	1900-1924	CLASSICAL REVIVAL	MEETS N/R CRITERIA	RELIGIOUS - UNKNOWN
HKM 33	HOUSE	1900-1924	COLONIAL REVIVAL	UNDETERMINED	SINGLE DWELLING
HKM 34	MAYFLOWER APARTMENTS	1900-1924	20TH CENT. INSTITUTIONAL	UNDETERMINED	MULTIPLE FAMILY DWELLING
HKM 35	TURNER RUBY HOUSE	1875-1899	COLONIAL REVIVAL	NATIONAL REGISTER	SINGLE DWELLING
HKM 36 HKM 38	HALL STREET SCHOOL DR. BONE HOUSE	1925-1949 1875-1899	20TH CENT. INSTITUTIONAL VERNACULAR-VICTORIAN	UNDETERMINED UNDETERMINED	SCHOOL SINGLE DWELLING
HKM 39	J T ALEXANDER HOUSE	1875-1899	VERNACULAR-VICTORIAN VERNACULAR-VICTORIAN	UNDETERMINED	SINGLE DWELLING
HKM 40	FRANKLIN HOUSE	1875-1899	QUEEN ANNE	UNDETERMINED	SINGLE DWELLING
HKM 41	HOUSE	1900-1924	VERNACULAR-VICTORIAN	UNDETERMINED	SINGLE DWELLING
HKM 42	HOUSE	1900-1924	QUEEN ANNE	UNDETERMINED	SINGLE DWELLING
HKM 43	HOUSE	1900-1924	CRAFTSMAN	UNDETERMINED	SINGLE DWELLING
HKM 44	HOUSE	1900-1924	VERNACULAR-VICTORIAN	UNDETERMINED	SINGLE DWELLING
HKM 45	WEBSTER GROCERY	1900-1924	COMMERCIAL-20TH CENT.	UNDETERMINED	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 46 HKM 47	MADISONVILLE HIGH SCHOOL HOUSE	1900-1924 1900-1924	20TH CENT. INSTITUTIONAL VERNACULAR-VICTORIAN	UNDETERMINED UNDETERMINED	SCHOOL SINGLE DWELLING
HKM 48	HOUSE	1900-1924	VERNACULAR-VICTORIAN VERNACULAR-TOC	UNDETERMINED	SINGLE DWELLING SINGLE DWELLING
HKM 49	DR. J R CORUM HOUSE	1900-1924	QUEEN ANNE	UNDETERMINED	SINGLE DWELLING
HKM 50	DULIN HOUSE	1900-1924	COLONIAL REVIVAL	UNDETERMINED	SINGLE DWELLING
	•				

Site No.	Historic Name	Year	Anabitaatunal Stula	NRHP Status	Function
HKM 51	HOUSE	1900-1924	Architectural Style VERNACULAR-VICTORIAN	UNDETERMINED	SINGLE DWELLING
HKM 52	CHURCH OF GOD	1900-1924	CRAFTSMAN	UNDETERMINED	RELIGIOUS - UNKNOWN
HKM 53	HOUSE	1875-1899	QUEEN ANNE	UNDETERMINED	SINGLE DWELLING
HKM 54	HOUSE	1900-1924	COLONIAL REVIVAL	UNDETERMINED	SINGLE DWELLING
HKM 55	HOUSE	1900-1924	VERNACULAR-VICTORIAN	UNDETERMINED N/R DISTRICT	SINGLE DWELLING
HKM 56	HOUSE	1900-1924	COLONIAL REVIVAL	CONTRI. SITE	SINGLE DWELLING
HKM 57	CAPTAIN TINDER HOUSE	1900-1924	QUEEN ANNE	PENDING N/R	SINGLE DWELLING
HKM 58	PRESTON B ROSS HOUSE	1900-1924	QUEEN ANNE	N/R DISTRICT CONTRI. SITE	SINGLE DWELLING
HKM 59	HOUSE	1900-1924	QUEEN ANNE	N/R DISTRICT CONTRI. SITE	SINGLE DWELLING
HKM 60	HOUSE	1875-1899	ITALIANATE	N/R DISTRICT CONTRI. SITE	SINGLE DWELLING
HKM 61	S F BROWN HOUSE	1875-1899	QUEEN ANNE	N/R DISTRICT CONTRI. SITE	SINGLE DWELLING
HKM 62	FINLEY HOUSE	1875-1899	QUEEN ANNE	N/R DISTRICT CONTRI. SITE	SINGLE DWELLING
HKM 63	HOUSE	1850-1874	VERNACULAR-ANTEBELLUM	N/R DISTRICT CONTRI. SITE	SINGLE DWELLING
HKM 64	DOLLAR HOUSE	1900-1924	CRAFTSMAN	UNDETERMINED	SINGLE DWELLING
HKM 65	HOUSE	1900-1924	QUEEN ANNE	UNDETERMINED	SINGLE DWELLING
HKM 66	HOUSE	1900-1924	AMERICAN FOURSQUARE	UNDETERMINED	SINGLE DWELLING
HKM 67 HKM 68	HOUSE COMMERCIAL BLDG	1850-1874 1900-1924	VERNACULAR-VICTORIAN COMMERCIAL-TOC	UNDETERMINED UNDETERMINED	SINGLE DWELLING COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
				N/R DISTRICT	
HKM 69	HOUSE ST MARVIS EDISCORAL CHURCH	1900-1924	CLASSICAL REVIVAL CRAFTSMAN	CONTRI. SITE N/R DISTRICT	SINGLE DWELLING
	ST MARY'S EPISCOPAL CHURCH	1900-1924		CONTRI. SITE N/R DISTRICT	RELIGIOUS - UNKNOWN
HKM 71	DUPLEX	1900-1924	CRAFTSMAN	CONTRI. SITE N/R DISTRICT NON-	SINGLE DWELLING
HKM 72	HOUSE	1950-1974	VERNACULAR-MODERN	CONTRIB. N/R DISTRICT	SINGLE DWELLING
HKM 73	FARMERS NATIONAL BANK	1900-1924	COMMERCIAL-TOC	CONTRI. SITE N/R DISTRICT	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 74	HOUSE	1900-1924	VERNACULAR-20TH CENT.	CONTRI. SITE N/R DISTRICT	SINGLE DWELLING
HKM 75	HOUSE	1900-1924	CRAFTSMAN	CONTRI. SITE N/R DISTRICT	SINGLE DWELLING
HKM 76	HOUSE	1900-1924	CRAFTSMAN	CONTRI. SITE N/R DISTRICT	SINGLE DWELLING
HKM 77	HOUSE	1900-1924	CRAFTSMAN	CONTRI. SITE N/R DISTRICT NON-	SINGLE DWELLING
HKM 78	FIRST BAPTIST CHURCH	1950-1974	CLASSICAL REVIVAL	CONTRIB. N/R DISTRICT NON-	RELIGIOUS - UNKNOWN
HKM 79	AMERICAN PRINTING CO BLDG	1925-1949	INTERNATIONAL	CONTRIB.	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 80	KEN GIBSON REALTORS	1925-1949	COMMERCIAL-MODERN	N/R DISTRICT NON- CONTRIB.	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 81	HOUSE	1900-1924	DUTCH COLONIAL REVIVAL	N/R DISTRICT CONTRI. SITE	SINGLE DWELLING
HKM 82	HOUSE	1925-1949	DUTCH COLONIAL REVIVAL	N/R DISTRICT CONTRI. SITE	SINGLE DWELLING
HKM 83	HOUSE (NOW COMMERCIAL)	1925-1949	VERNACULAR-MODERN	N/R DISTRICT NON- CONTRIB. N/R DISTRICT NON-	SINGLE DWELLING
HKM 84	COMMERCIAL BLDG	1875-1899	COMMERCIAL-TOC	CONTRIB.	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 85	HOUSE	1900-1924	VERNACULAR-TOC	N/R DISTRICT NON- CONTRIB. N/R DISTRICT	SINGLE DWELLING
HKM 86	COMMERCIAL BLDG	1900-1924	COMMERCIAL-20TH CENT.	N/R DISTRICT CONTRI. SITE N/R DISTRICT	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 87	COMMERCIAL BLDG	1875-1899	COMMERCIAL-20TH CENT.	CONTRI. SITE	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 88	COMMERCIAL BLDG	1875-1899	COMMERCIAL-20TH CENT.	N/R DISTRICT CONTRI. SITE N/R DISTRICT NON-	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 89	COMMERCIAL BLDG	1875-1899	COMMERCIAL-20TH CENT.	CONTRIB.	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 90	COMMERCIAL BLDG	1900-1924	COMMERCIAL-20TH CENT.	N/R DISTRICT CONTRI. SITE	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 91	COMMERCIAL BLDG	1875-1899	COMMERCIAL-20TH CENT.	N/R DISTRICT CONTRI. SITE	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 92	COMMERCIAL BLDG	1900-1924	COMMERCIAL-20TH CENT.	N/R DISTRICT CONTRI. SITE	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 93	COMMERCIAL BLDG	1875-1899	COMMERCIAL-20TH CENT.	N/R DISTRICT NON- CONTRIB.	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 94	COMMERCIAL BLDG	1875-1899	COMMERCIAL-20TH CENT.	N/R DISTRICT NON- CONTRIB.	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 95	COMMERCIAL BLDG	1900-1924	COMMERCIAL-20TH CENT.	N/R DISTRICT CONTRI. SITE	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 96	MILES OPERA HOUSE	1875-1899	COMMERCIAL-TOC	N/R DISTRICT CONTRI. SITE	THEATRE, CINEMA
HKM 97	COMMERCIAL BLDG	1875-1899	COMMERCIAL-TOC	N/R DISTRICT CONTRI. SITE	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN

Site No.	Historic Name	Year	Architectural Style	NRHP Status	Function
HKM 98	COMMERCIAL BLDG	1875-1899	ITALIANATE	N/R DISTRICT CONTRI. SITE	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 99	COMMERCIAL BLDG	1900-1924	COMMERCIAL-20TH CENT.	N/R DISTRICT NON- CONTRIB.	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 100	COMMERCIAL BLDG	1900-1924	COMMERCIAL-20TH CENT.	N/R DISTRICT CONTRI. SITE	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 101	COMMERCIAL BLDG	1900-1924	COMMERCIAL-20TH CENT.	N/R DISTRICT CONTRI. SITE	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 102	COMMERCIAL BLDG	1900-1924	COMMERCIAL-20TH CENT.	N/R DISTRICT CONTRI. SITE	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 103	MORTON BANK	1875-1899	RICHARDSONIAN ROMANESQUE	N/R DISTRICT CONTRI. SITE	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 104	COMMERCIAL BLDG	1875-1899	COMMERCIAL-TOC	N/R DISTRICT CONTRI. SITE	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 105	COMMERCIAL BLDG	1875-1899	COMMERCIAL-TOC	N/R DISTRICT CONTRI. SITE	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 106	COMMERCIAL BLDG	1900-1924	COMMERCIAL-20TH CENT.	N/R DISTRICT CONTRI. SITE	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 107	COMMERCIAL BLDG	1900-1924	COMMERCIAL-20TH CENT.	N/R DISTRICT CONTRI. SITE	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 108	COMMERCIAL BLDG	1900-1924	COMMERCIAL-20TH CENT.	N/R DISTRICT CONTRI. SITE	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 109	KENTUCKY BANK & TRUST CO.	1900-1924	COMMERCIAL-20TH CENT.	N/R DISTRICT NON- CONTRIB.	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 110	COMMERCIAL BLDG	1875-1899	COMMERCIAL-TOC	N/R DISTRICT NON- CONTRIB.	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 111	COMMERCIAL BLDG	1875-1899	COMMERCIAL-TOC	N/R DISTRICT CONTRI. SITE	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 112	COMMERCIAL BLDG	1875-1899	COMMERCIAL-TOC	N/R DISTRICT CONTRI. SITE	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 113	COMMERCIAL BLDG	1875-1899	COMMERCIAL-TOC	N/R DISTRICT CONTRI. SITE	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 114	DULINS DEPARTMENT STORE (NOW PUBLIC LIBRARY)	1900-1924	COMMERCIAL-20TH CENT.	N/R DISTRICT CONTRI. SITE	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 115	COMMERCIAL BLDG	1925-1949	COMMERCIAL-20TH CENT.	N/R DISTRICT NON- CONTRIB.	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 116	COMMERCIAL BLDG	1900-1924	COMMERCIAL-20TH CENT.	N/R DISTRICT CONTRI. SITE	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 117	COMMERCIAL BLDG	1900-1924	COMMERCIAL-20TH CENT.	N/R DISTRICT CONTRI. SITE	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 118	COMMERCIAL BLDG	1900-1924	COMMERCIAL-20TH CENT.	N/R DISTRICT CONTRI. SITE	COMMERCIAL, PROFESSIONAL, OFFICE - UNKNOWN
HKM 119	HOPKINS COUNTY COURTHOUSE	1925-1949	CLASSICAL REVIVAL	N/R DISTRICT CONTRI. SITE	GOVERNMENT, PUBLIC - UNKNOWN
HKM 121	CAST IRON FENCE #EL#	No Data	No Data	N/R DISTRICT CONTRI. SITE	No Data
HKM 122	CAST IRON FENCE #EL#	No Data	No Data	N/R DISTRICT CONTRI. SITE	No Data
HKM 166	HOUSE	1900-1924	No Data	UNDETERMINED	SINGLE DWELLING
HKM 167	HOUSE	1900-1924	No Data	UNDETERMINED	SINGLE DWELLING
HKM 168	HOUSE	1925-1949	No Data	UNDETERMINED	SINGLE DWELLING
HKM 169	HOUSE	1925-1949	No Data	UNDETERMINED	SINGLE DWELLING
HKM 172 HKM 172	HOUSE GARAGE	1925-1949 No Data	No Data No Data	UNDETERMINED UNDETERMINED	SINGLE DWELLING GARAGE
HKM 172	HOUSE	1925-1949	No Data No Data	UNDETERMINED	SINGLE DWELLING
HKM 173	GARAGE (NON-HISTORIC)	No Data	No Data	UNDETERMINED	GARAGE
HKM 174	HOUSE	1925-1949	No Data	UNDETERMINED	SINGLE DWELLING
HKM 175	HOUSE	1925-1949	No Data	UNDETERMINED	SINGLE DWELLING
HKM 176	HOUSE	1925-1949	No Data	UNDETERMINED	SINGLE DWELLING
HKM 177	HOUSE	1900-1924	No Data	UNDETERMINED	SINGLE DWELLING
HKM 187	HOUSE	1925-1949	No Data	UNDETERMINED	SINGLE DWELLING
HKM 187	GARAGE	No Data	No Data	UNDETERMINED	GARAGE
HKM 217	MADISONVILLE TUBERCULOSIS HOSPITAL	1925-1949	ART DECO	NATIONAL REGISTER	HOSPITAL
HKM 217	BOILER HOUSE & LAUNDRY	1925-1949	No Data	PART OF N/R COMPLEX	HEALTH CARE - OTHER
HKM 217	STAFF RESIDENCE	1925-1949	No Data	PART OF N/R COMPLEX	HEALTH CARE - OTHER
HKM 218	MADISONVILLE SCHOOL & SHOP (ROSENWALD SCH)	1925-1949	No Data	UNDETERMINED	SCHOOL

Coded Properties

PropertyID	Note on Coded Properties
05400425	No Data
05400426	No Data
05400427	No Data
05400428	No Data
05400429	No Data
05400430	No Data
05400431	No Data
05400432	No Data
05400433	No Data

Preliminary Historic Resource

Site ID	Information
HKM-	No Data

Demolished Historic Resource

SiteNo	Historic Name	Year	Function
HKM 165	HOUSE	1900-1924	SINGLE DWELLING
HKM 170	HOUSE	1900-1924	SINGLE DWELLING
HKM 171	HOUSE	1925-1949	SINGLE DWELLING
HKM 186	HOUSE- COMMERCIAL	1925-1949	SINGLE DWELLING

APPENDIX C: Shovel Test Log

Harper Village Apartment Complex Project Shovel Test Log

STP#	Depth (cm)	Soil Description	Artifacts	
A1	0-20	10YR 6/6 mottled with 10YR 6/1, graded	_	
A2	0-20	10YR 6/6 mottled with 10YR 6/1, graded	_	
A3	0-25	7.5YR 4/4 silt loam	-	
	25-35	7.5YR 5/4 silt clay loam		
	0-25	7.5YR 4/4 silt loam		
A4 A5	25-35	7.5YR 5/4 silt clay loam	-	
	0-25	7.5YR 4/4 silt loam		
	25-35	7.5YR 5/4 silt clay loam		
A6	0-25	7.5YR 4/4 silt loam		
	25-35	7.5YR 5/4 silt clay loam	_	
A7	0-25	7.5 YR 4/4 silt loam		
	25-35	7.5YR 5/4 silt clay loam	-	
A8	0-25	7.5YR 4/4 silt loam		
	25-35	7.5YR 5/4 silt clay loam	_	
	0-25	7.5YR 4/4 silt loam		
A9	25-35	7.5YR 5/4 silt clay loam	-	
	0-25	7.5YR 4/4 silt loam		
A10	25-35	7.5YR 5/4 silt clay loam	-	
B1	0-20	10YR 6/6 mottled with 10YR 6/1, graded		
B2	0-15	10YR 6/6 mottled with 10YR 6/1, graded	-	
В3	0-25	7.5YR 4/4 silt loam	_	
	25-30	7.5YR 5/4 silt clay loam		
В4	0-25	7.5YR 4/4 silt loam	_	
	25-35	7.5YR 5/4 silt clay loam		
В5	0-25	7.5YR 4/4 silt loam	_	
	25-35	7.5YR 5/4 silt clay loam		
В6	0-30	10YR 5/1 mottled with 7.5YR 5/4, water inundation	=	
В7	0-20	Fill soils	-	
В8	0-25	7.5YR 4/4 silt loam		
	25-35	7.5YR 5/4 silt clay loam	_	
В9	0-25	7.5YR 4/4 silt loam		
D9	25-35	7.5YR 5/4 silt clay loam	_	
B10	0-25	7.5YR 4/4 silt loam		
DIO	25-35	7.5YR 5/4 silt clay loam		
C1	0-20	10YR 6/6 mottled with 10YR 6/1, graded	-	
C2	0-20	10YR 6/6 mottled with 10YR 6/1, graded	-	
С3	0-25	7.5YR 4/4 silt loam		
	25-35	7.5YR 5/4 silt clay loam		
C4 -	0-25	7.5YR 4/4 silt loam		
	25-35	7.5YR 5/4 silt clay loam		
C5 -	0-25	7.5YR 4/4 silt loam		
	25-35	7.5YR 5/4 silt clay loam	┑ -	
C6	0-25	Fill soils -		
C7	0-25	Fill soils	-	
C8	0-20	Fill soils	_	
C9	0-20	Fill soils		
C10	0-20	Fill soils		
D1	0-20			
D1 D2	0-20	10YR 6/6 mottled with 10YR 6/1, graded - 10YR 6/6 mottled with 10YR 6/1, graded -		
D2	0-20	10YR 6/6 mottled with 10YR 6/1, graded	-	
	0-20	10YR 6/6 mottled with 10YR 6/1, graded - 10YR 6/6 mottled with 10YR 6/1, graded -		
E1 E2	0-20		-	
		10YR 6/6 mottled with 10YR 6/1, graded	-	
E3	0-15	7.5YR 4/4 silt loam	<u> </u>	

STP#	Depth (cm)	Soil Description	Artifacts
	15-25	7.5YR 5/4 silt clay loam	
E4	0-15	7.5YR 4/4 silt loam	_
LŦ	15-25	7.5YR 5/4 silt clay loam	_
E5	0-15	7.5YR 4/4 silt loam	
E3	15-25	7.5YR 5/4 silt clay loam	-
E6	0-20	7.5YR 4/4 silt loam	
EO	20-30	7.5YR 5/4 silt clay loam	-
E7	0-20	Fill soils	-
E8	0-20	Fill soils	-
E9	0-20	Fill soils	-
E10	0-20	Fill soils	-
F1	0-20	10YR 6/6 mottled with 10YR 6/1, graded	_
F2	0-20	10YR 6/6 mottled with 10YR 6/1, graded	_
	0-25	7.5YR 4/4 silt loam	
F3	25-35	7.5YR 5/4 silt clay loam	-
	0-25	7.5YR 4/4 silt loam	
F4	25-35	7.5YR 5/4 silt clay loam	-
	0-25	7.5YR 4/4 silt loam	
F5	25-35	7.5YR 5/4 silt clay loam	-
	0-25	7.5YR 4/4 silt loam	
F6	25-35		
F.7		7.5YR 5/4 silt clay loam	
F7	0-25	Fill soils	-
F8	0-25	Fill soils	-
F9	0-25	Fill soils	-
F10	0-25	Fill soils	-
G1	0-20	10YR 6/6 mottled with 10YR 6/1, graded	-
G2	0-20	10YR 6/6 mottled with 10YR 6/1, graded	-
G3	0-25	7.5YR 4/4 silt loam	
	25-35	7.5YR 5/4 silt clay loam	
G4	0-25	7.5YR 4/4 silt loam	
<u> </u>	25-35	7.5YR 5/4 silt clay loam	
G5	0-25	7.5YR 4/4 silt loam	
33	25-35	7.5YR 5/4 silt clay loam	
G6	n/a	Standing water	-
G7	n/a	Standing water	-
G8	0-40	Fill soils	-
G9	0-40	Fill soils	-
G10	0-40	Fill soils	-
H1	0-20	10YR 6/6 mottled with 10YR 6/1, graded	-
H2	0-20	10YR 6/6 mottled with 10YR 6/1, graded	-
110	0-25	7.5YR 4/4 silt loam	
Н3	25-35	7.5YR 5/4 silt clay loam	-
H4	n/a	Standing water	_
	0-25	7.5YR 4/4 silt loam	
H5	25-35	7.5YR 5/4 silt clay loam	-
	0-25	7.5YR 4/4 silt loam	
Н6	25-35	7.5YR 5/4 silt clay loam	-
Н7	0-25	Fill soils	
H8	0-23	Fill soils	
H9	0-40	Fill soils	
		Fill soils	
H10	0-40		-
I1	0-25	7.5YR 4/4 silt loam	
	25-35	7.5YR 5/4 silt clay loam	
12	0-25	7.5YR 4/4 silt loam	
	25-35	7.5YR 5/4 silt clay loam	
I3	0-25	7.5YR 4/4 silt loam	-

STP#	Depth (cm)	Soil Description	Artifacts
	25-35	7.5YR 5/4 silt clay loam	
I4	0-25	7.5YR 4/4 silt loam	
17	25-35	7.5YR 5/4 silt clay loam	-
15	0-25	7.5YR 4/4 silt loam	
13	25-35	7.5YR 5/4 silt clay loam	-
I6	0-35	Fill soils	-
I7	0-35	Fill soils	-
18	0-35	Fill soils	-
T1	0-25	7.5YR 4/4 silt loam	
J1	25-35	7.5YR 5/4 silt clay loam	-
12	0-25	7.5YR 4/4 silt loam	
J2	25-35	7.5YR 5/4 silt clay loam	-
12	0-25	7.5YR 4/4 silt loam	
Ј3	25-35	7.5YR 5/4 silt clay loam	-
7.4	0-25	7.5YR 4/4 silt loam	
J4	25-35	7.5YR 5/4 silt clay loam	-
	0-25	7.5YR 4/4 silt loam	
J5	25-35	7.5YR 5/4 silt clay loam	-
J6	0-30	Fill soils	-
J7	0-30	Fill soils	-
J8	0-30	Fill soils	_
	0-25	7.5YR 4/4 silt loam	
K1	25-35	7.5YR 5/4 silt clay loam	-
	0-25	7.5YR 4/4 silt loam	
K2	25-35	7.5YR 5/4 silt clay loam	-
	0-25	7.5YR 4/4 silt loam	
К3	25-35	7.5 YR 5/4 silt clay loam	-
	0-25	7.5YR 4/4 silt loam	
K4	25-35	7.5 YR 5/4 silt clay loam	-
	0-25	7.5 YR 3/4 silt loam	
K5	25-35	7.5 YR 5/4 silt clay loam	-
	0-25	7.5YR 4/4 silt loam	
K6	25-35	7.5YR 5/4 silt clay loam	-
	0-25	7.5YR 4/4 silt loam	
K7	-		-
	25-35	7.5YR 5/4 silt clay loam 7.5YR 4/4 silt loam	
K8	0-25		-
	25-35 0-25	7.5YR 5/4 silt clay loam 7.5YR 4/4 silt loam	
L1			-
	25-35 0-25	7.5YR 5/4 silt clay loam	
L2		7.5YR 4/4 silt loam	-
	25-35	7.5YR 5/4 silt clay loam 7.5YR 4/4 silt loam	
L3	0-25		-
	25-35	7.5YR 5/4 silt clay loam	
L4	0-25	7.5YR 4/4 silt loam	-
	25-35	7.5YR 5/4 silt clay loam	
L5	0-25	7.5YR 4/4 silt loam	-
	25-35	7.5YR 5/4 silt clay loam	
L6	0-25	7.5YR 4/4 silt loam	-
	25-35	7.5YR 5/4 silt clay loam	
L7	0-25	7.5YR 4/4 silt loam	-
	25-35	7.5YR 5/4 silt clay loam	
L8	0-25	7.5YR 4/4 silt loam	-
	25-35	7.5YR 5/4 silt clay loam	

ENCLOSURE L NOISE ABATEMENT AND CONTROL

OMB No. 2506-0177 (exp.2/28/2025)



1.

2.

U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WASHINGTON, DC 20410-1000

This Worksheet was designed to be used by those "Partners" (including Public Housing Authorities, consultants, contractors, and nonprofits) who assist Responsible Entities and HUD in preparing environmental reviews, but legally cannot take full responsibilities for these reviews themselves. Responsible Entities and HUD should use the RE/HUD version of the Worksheet.

Noise (EA Level Reviews) - PARTNER

https://www.hudexchange.info/programs/environmental-review/noise-abatement-and-control

What activities does your project involve? Check all that apply:
⊠ New construction for residential use
NOTE: HUD assistance to new construction projects is generally prohibited if they are
located in an Unacceptable zone, and HUD discourages assistance for new construction
projects in Normally Unacceptable zones. See 24 CFR 51.101(a)(3) for further details.
→ Continue to Question 2.
☐ Rehabilitation of an existing residential property
NOTE: For major or substantial rehabilitation in Normally Unacceptable zones, HUD
encourages mitigation to reduce levels to acceptable compliance standards. For major
rehabilitation in Unacceptable zones, HUD strongly encourages mitigation to reduce levels
to acceptable compliance standards. See 24 CFR 51 Subpart B for further details.
→ Continue to Question 2.
y continue to question 2.
☐ None of the above
ightarrow If the RE/HUD agrees with this recommendation, the review is in compliance with this
section. Continue to the Worksheet Summary below.
Complete the Preliminary Screening to identify potential noise generators in the vicinity
(1000' from a major road, 3000' from a railroad, or 15 miles from an airport).
Indicate the findings of the Preliminary Screening below:
, ,
☐ There are no noise generators found within the threshold distances above.
→ If the RE/HUD agrees with this recommendation, the review is in compliance with this
section. Continue to the Worksheet Summary below. Provide a map showing the location
of the project relative to any noise generators.
oxtimes Noise generators were found within the threshold distances.
→ Continue to Question 3.

3. Complete the Noise Assessment Guidelines to quantify the noise exposure. Indicate the findings of the Noise Assessment below:

☑ Acceptable (65 decibels or less; the ceiling may be shifted to 70 decibels in circumstances described in §24 CFR 51.105(a)) Indicate noise level here: 50 → If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide noise analysis, including noise level and data used to complete the analysis. ☐ Normally Unacceptable: (Above 65 decibels but not exceeding 75 decibels; the floor may be shifted to 70 decibels in circumstances described in 24 CFR 51.105(a)) Indicate noise level here: Click here to enter text. If project is rehabilitation: → Continue to Question 4. Provide noise analysis, including noise level and data used to complete the analysis. If project is new construction: Is the project in a largely undeveloped area¹? \square Yes \rightarrow The project requires completion of an Environmental Impact Statement (EIS) pursuant to 51.104(b)(1)(i). → Continue to Question 4. Provide noise analysis, including noise level and data used to complete the analysis. ☐ Unacceptable: (Above 75 decibels) Indicate noise level here: Click here to enter text. If project is rehabilitation: HUD strongly encourages conversion of noise-exposed sites to land uses compatible with high noise levels. Consider converting this property to a non-residential use compatible with high noise levels. → Continue to Question 4. Provide noise analysis, including noise level and data used to complete the analysis, and any other relevant information. If project is new construction: The project requires completion of an Environmental Impact Statement (EIS) pursuant to 51.104(b)(1)(i). Work with HUD or the RE to either complete an EIS or obtain a waiver signed by the appropriate authority. → Continue to Question 4. 4. HUD strongly encourages mitigation be used to eliminate adverse noise impacts. Work with the RE/HUD on the development of the mitigation measures that must be implemented to mitigate for the impact or effect, including the timeline for implementation. ☐ Mitigation as follows will be implemented:

¹ A largely undeveloped area means the area within 2 miles of the project site is less than 50 percent developed with urban uses and does not have water and sewer capacity to serve the project.

Click here to enter text.

→ Provide drawings, specifications, and other materials as needed to describe the project's noise mitigation measures.

Continue to the Worksheet Summary.

 \boxtimes No mitigation is necessary.

Explain why mitigation will not be made here:

Click here to enter text.

→ Continue to the Worksheet Summary.

Worksheet Summary

Provide a full description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your program or region

Include all documentation supporting your findings in your submission to HUD.

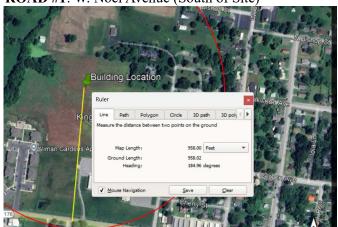
A Noise Assessment was conducted. The noise level was acceptable: 50.0 db. See noise analysis. The project is in compliance with HUD's Noise regulation. Noise Sources - Road or Highway, there is one road (West Noel Avenue) within the 1,000-foot threshold of the site to the south. The project site is 958 feet from W. Noel Avenue which has a projected FY34 AADT of 3,687 which is the same as the most recent AADT (2019) Note: Negative year over year projections required the most recent AADT count be used. A standard assumption of night volume of 15% was used. The average road grade of the segment of roadway, measured approximately 1000 feet either side of a perpendicular line between the project site and West Noel Avenue was determined to be 1.001% (1% used). The speed limit is 35 and 45 MPH, averaged to 40 MPH. There are no stop signs or intersections within 600 0feet on either side of the site. The HUD DNL Calculator was used to calculate a total of 48 dB for this roadway. The roadway course was included in the combined DNL total for all noise sources at the site. One railroad is located within 3000 feet of the site - CSX North of the project site approximately 1,875 to the north. The crossing information for the nearest crossing was included in the calculations. The HUD DNL Calculator was used to calculate a total of 46 dB for this rail line. The rail sources DNL calculation was included in the combined total DNL calculation for all noise sources. Lastly, one airport - Madisonville Regional Airport (210) is within the search distance. HUD's Airport Noise Worksheet was utilized, and it was determined that "the noise attributed to the airplanes will not extend beyond the boundaries of the airport" as Annual air carrier operations were less than 9000; annual air taxi operations were less than 18,000; annual military operations were less than 18,000; and annual general aviation operations were less than 72,000. The combined DNL for this site is 50dB and considered acceptable. Backup documentation noise survey is attached.

Supporting Documentation

0 - Harper Village Noise Backup.pdf



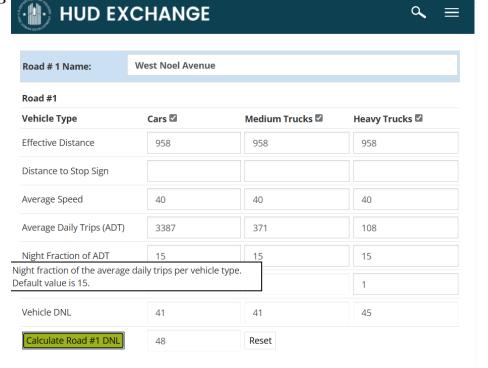
ROAD #1: W. Noel Avenue (South of Site)



The project site is located 958 feet from West Noel

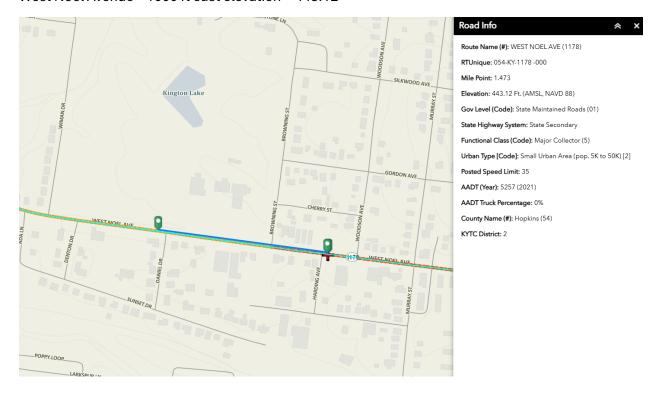
Avenue which has a projected FY34 AADT of 3.687 which is the same as than the most recent AADT (2019) for 2034. Note: Negative AADT projections require most recent AADT count be used. Reports from KYTC attached. Standard assumption of night volume of 15% was used. The average road grade of the segment of the roadway, approximately 1,000 feet either side of a perpendicular line between the project site and W. Noel Ave., was determined to be 1.001% (1% used). The speed limit is 35 and 45 MPH, averaged to 40 MPH. There are no stop signs or intersections within 600 feet on either side of the site. The HUD DNL Calculator was used to calculate a total of 48 decibels for this roadway. The individual source's DNL calculation was included in the combined total DNL calculation for all noise sources of 50dB

W. Noel Avenue		
Slope (Source: KYTC Interactive	re map)	
1000 foot East Elevation		443.12
1000 foot West Elevation		422.938
Δ		20.182
Slope*		1.00%
* % Slope = (rise / run x 100)		
Traffic Counts (Source: KYTC Intera	active map)	
Previous KAADT (2011)		4,340
Current AADT (2019)		3,867
Δ		-473
Annual Change (AADT Difference/Years)		-59.125
Projection for 2024 (2022 year used)		3867
Projecion for 2034		3867
	%	Projected
	9/0	2034 AADT
Vehicle Percentage (Source KYTC Traffic Count	Histoic Traffic	: Volume)
Car	87.60%	3387.492
Medium Truck	9.60%	371.232
Heavy Truck	2.80%	108.276
HUD Noise Calculation V	alues	
NAL 1		
		958
Effective Distance		958
Effective Distance Distance to Stop Sign		0
Effective Distance Distance to Stop Sign Average Speed (posted speed limit)		0 40
Effective Distance Distance to Stop Sign		0

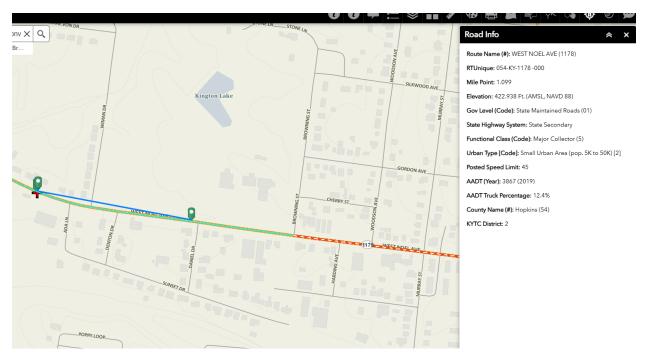


Harper Village – 445 Browning Street Madisonville, Kentucky

West Noel Avenue - 1000 ft east elevation = 443.12

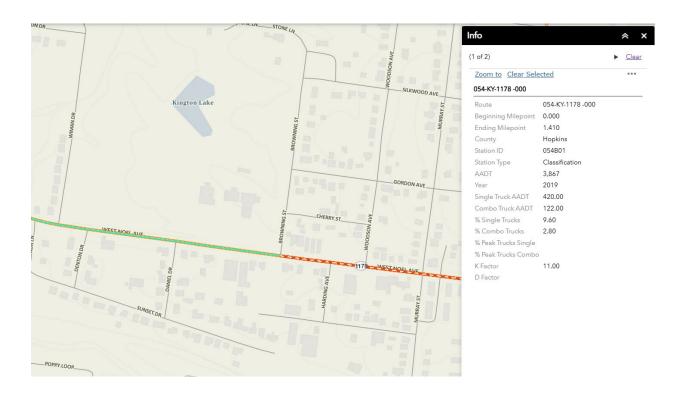


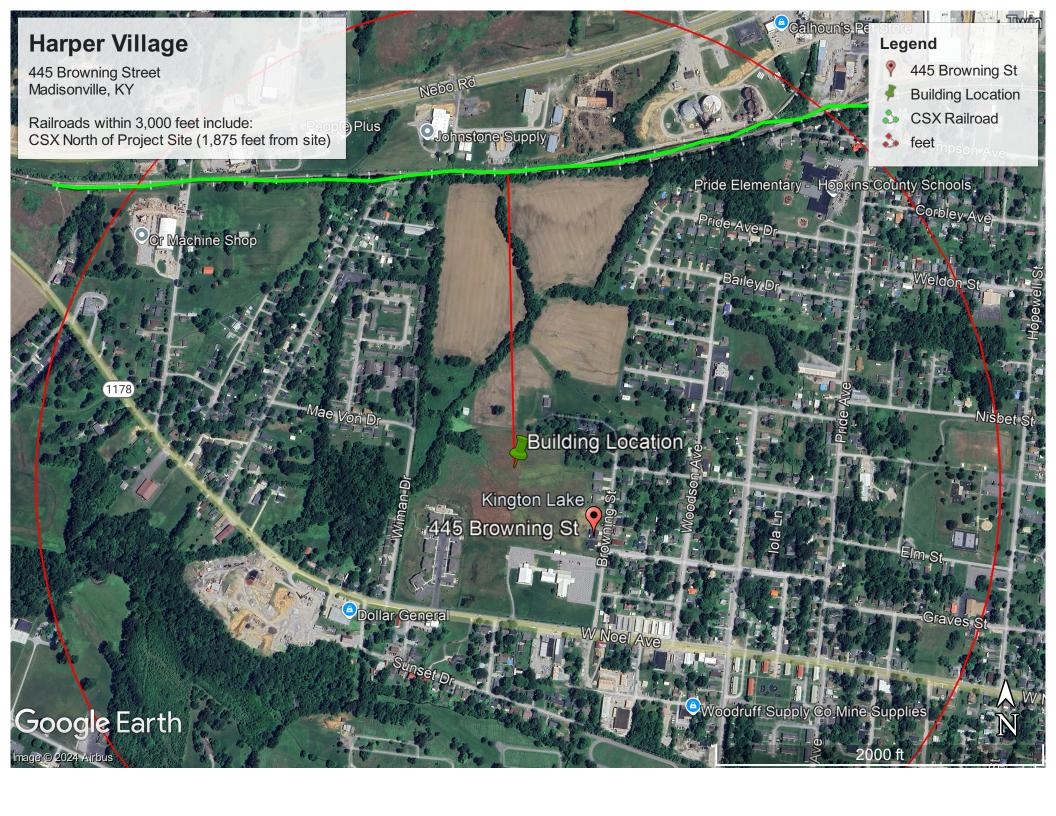
Glen Lily- 1000 ft west elevation = 422.938

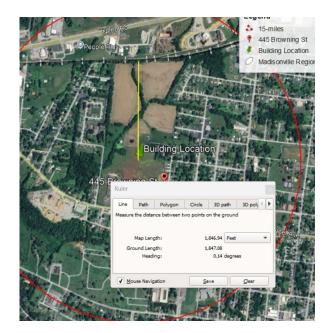


Harper Village – 445 Browning Street Madisonville, Kentucky

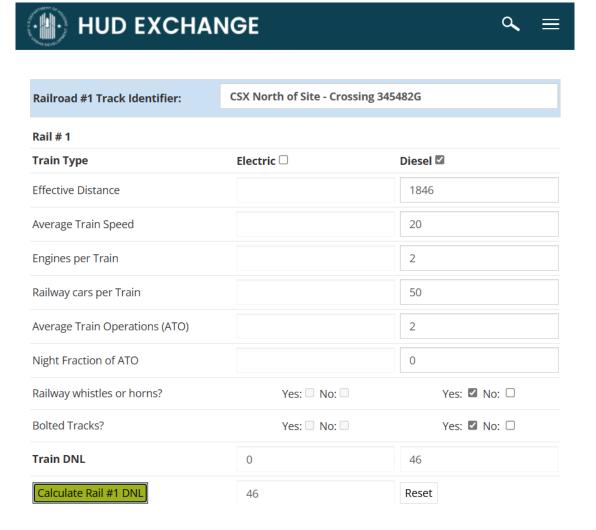
ROAD #1: W. Noel Avenue (South of Site)







The project site is located 1,846 feet from the CSX rail line north of the project site. The crossing information from nearest crossing was included in the calculations. The HUD DNL Calculator was used to calculate a total of 46 decibels for this rail line. The individual source's DNL calculation was included in the combined total DNL calculation for all noise sources of 50dB



Harper Village 445 Browning Street Madisonville, Kentucky

U. S. DOT CROSSING INVENTORY FORM

DEPARTMENT OF TRANSPORTATION

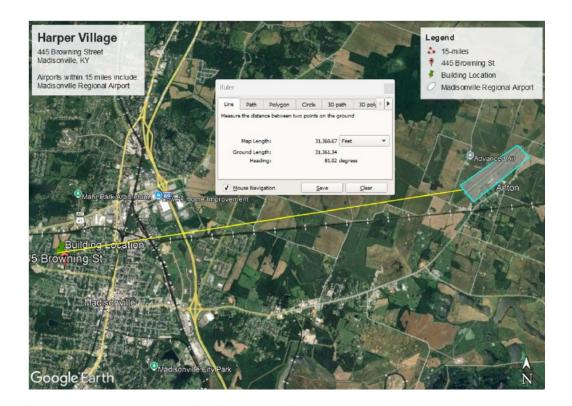
FEDERAL RAILROAD ADMINISTRATION OMB No. 2130-0017

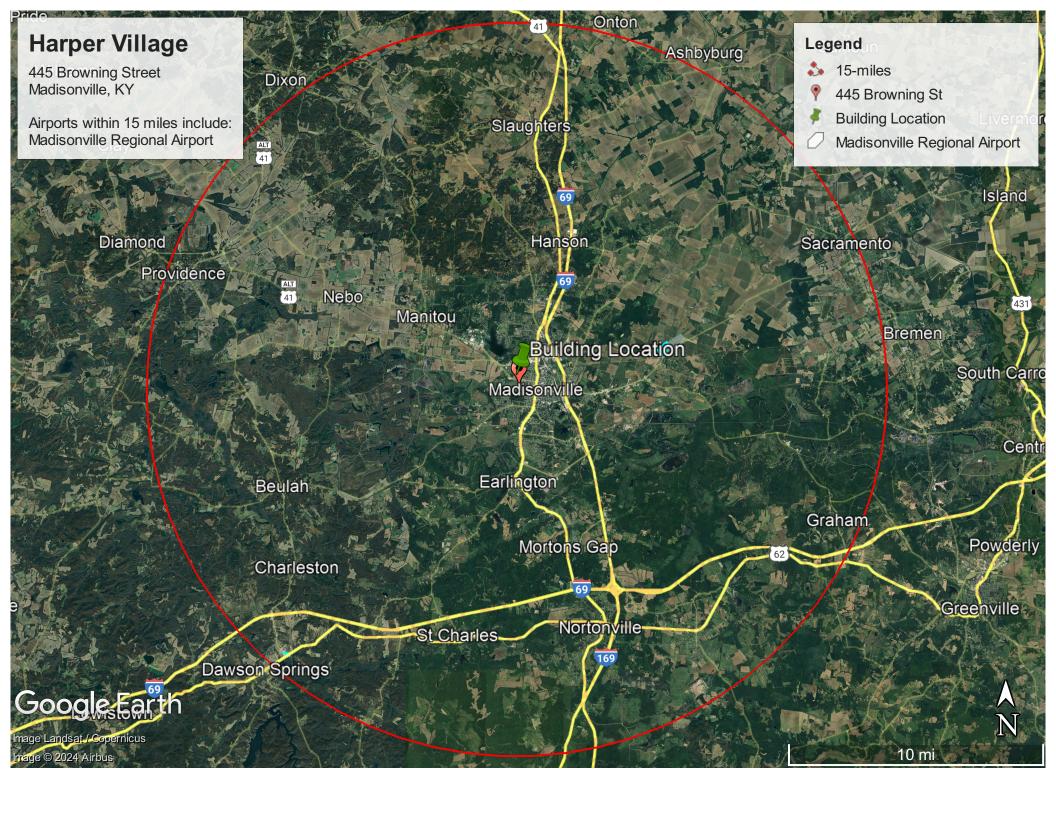
Instructions for the initial reporting of the following types of new or previously unreported crossings: For public highway-rail grade crossings, complete the entire inventory Form. For private highway-rail grade crossings, complete the Header, Parts I and II, and the Submission Information section. For public pathway grade crossings (including pedestrian station grade crossings), complete the Header, Parts I and II, and the Submission Information section. For grade-separated highway-rail or pathway crossings (including pedestrian station crossings), complete the Header, Part I, and the Submission Information section. For grade-separated highway-rail or pathway crossings (including pedestrian station crossings), complete the Header, Part I, and the Submission Information section. For changes to existing data, complete the Header, Part I Items 1-3, and the Submission Information section, in addition to the updated data fields. Note: For private crossings only, Part I Item 20 and Part III Item 2.K. are required unless otherwise noted. An asterisk * denotes an optional field.													
A. Revision Date		B. Reporting A				•	•	lect only o	,				T Crossing
(<i>MM/DD/YYYY</i>) 04 / 26 / 2023		Railroad	☐ Tra		Change i		lew		Closed	☐ No Train Traffic	☐ Quiet		tory Number
<u>01 </u>		☐ State	□ Ot	ner Dat	a Re-Open		ssing Date inge (Change in Primary	☐ Admin. Correction	Zone Upd	34548	32G
				Part I: L	.ocati				tion Informatio				
Primary Operating Railroad CSX Transportation [CSX]								3. County HOPKINS					
4. City / Municipality	,			e <mark>et/Road N</mark> a	Name & Block Number				6. Highway Ty	pe & No.			
In	NVILLI	≣		et/Road Nar				_l _l * (Bloc	k Number)	PRIVATE			
7. Do Other Railroad If Yes, Specify RR	s Opera	te a Separate T				No			Railroads Operate O	ver Your Track a	nt Crossing?	□ Yes 🗷 I	No
9. Railroad Division o	r Regio	n	10. Railro	ad Subdivisi	on or D	istrict		11. Bra	nch or Line Name		12. RR Milepost		
□ None NASHV	/IIIE		□ Nana	HENDE	RSON			□ Nam	MORGANFIE	I D BR		277.240	_
□ None NASHV	ILLL	14. Nea	□ None rest RR Tin			. Parent	RR (i	☐ None			(prefix) (g Owner (if o	nnnn.nnn) annlicable)	(suffix)
* 915070		Station COMC	*			N/A	15	, appnear	,	■ N/A	8 •		
17. Crossing Type	18. Cr	ossing Purpose	19. Cro	ssing Position	_	20. Publi	с Асс	ess	21. Type of Train	_ , , .		22. Aver	age Passenger
	≭ Hig	•	■ At G			(if Private	e Cros	ssing)	■ Freight	☐ Transit			unt Per Day
□ Public ॼ Private		nway, Ped. ion, Ped.	☐ RR U			□ Yes ≖ No			☐ Intercity Passeng☐ Commuter	ger ⊔ Snared □ Tourist	Use Transit		han One Per Day er Per Day 0
23. Type of Land Use					l l	_ 110					, other		er r er buy
☐ Open Space	☐ Farm		idential	☐ Comn	nercial		Indus		☐ Institutional	☐ Recreatio	nal 🗆	RR Yard	
24. Is there an Adjace	ent Cros	sing with a Sep	parate Nun	iber?		25. C	luiet .	Zone (FF	RA provided)				
☐ Yes 🗷 No If	Yes, Pro	vide Crossing N	lumber			™ No	.	24 Hr	☐ Partial ☐ Chica	go Excused	Date Estal	blished	
26. HSR Corridor ID		27. Latit	tude in dec	imal degree	s		28.	Longitud	e in decimal degrees	5	29	. Lat/Long So	ource
	□ N/A	(WGS84	std: nn.n	$_{nnnnn})$ 37	7.34222	50	(W	GS84 std:	-nnn.nnnnnnn) -87	.5200030	×	Actual \Box] Estimated
30.A. Railroad Use	*	, , , , , , , ,		······,			1 1		tate Use *				
30.B. Railroad Use	*							31.B. S	tate Use *				
30.C. Railroad Use	*							31.C. S	tate Use *				
30.D. Railroad Use	*							31.D. S	tate Use *				
32.A. Narrative (Rai	lroad Us	se) *						32.B. N	larrative (State Use)	*			
33. Emergency Notifi	cation 1	elephone No.	(posted)			·	Telepi	hone No.)		35. State Con		one No.)	
800-232-0144				904-3	866-305					502-564-321	0		_
					Part	II: Rai	Iroa	d Infor	mation				
1. Estimated Number				-1	1				1457.17		4.5.01	1	
1.A. Total Day Thru T (6 AM to 6 PM) 2	rains		otal Night ⁻ to 6 AM)	hru Trains	0	Fotal Swi	tchin	gTrains	1.D. Total Transit	Trains	One Mover	if Less Than ment Per Day trains per w	
2. Year of Train Coun	t Data ()	YYY) ———		3. Speed of					-	'	•	•	
2023				3.A. Maxim	num Tim	etable Sp	oeed	(mph) <u>2</u>	oph) From 20	to _20			
4. Type and Count of	Tracks			э.в. турка	тэреец	ivalige O	vei Ci	USSITIE (11	<i>ipii)</i> 110iii <u></u>	to			
,,	Siding 0	Y	ard 0	Tran	sit 0		Indi	ustry 0					
5. Train Detection (M			5		D=5			–					
☐ Constant Warr 6. Is Track Signaled?	ning Tim	e ⊔ Motion	Detection	□AFO □		□ DC vent Rec		ther 🗷	None		7.B. Reme	ote Health M	 Ionitoring
Yes No						Yes 🗷						S 🗷 No	omtornig.

U. S. DOT CROSSING INVENTORY FORM

A. Revision Date (NO) 04/26/2023	лм/DD/YYYY)					P	AGE 2			D. 345	Crossing Inve	ntory Nun	nber (7 c	:har.,)
		P	art III:	: Highway o	r Path	way [·]	Traffic	Control De	evice						
1. Are there	2. Types of P	assive Traf	fic Contr	rol Devices asso	ciated w	ith the	Crossing							_	
Signs or Signals?	2.A. Crossbuo			P Signs (R1-1)		_	ns <i>(R1-2)</i>			arning S	igns (Check al	_			
¥ Yes □ No	Assemblies (a	count)	(count))		(count)	:) 		□ W10-1 . □ W10-2 .			□ W10-3 □ W10-4		_		11 <u>0</u> 12 <u>0</u>
2.E. Low Ground Cl	earance Sign	2.F. Pav	ement N	Markings				nnelization			2.H. EXEMP	T Sign	2.I. EN:	_	n (I-13)
(W10-5) \square Yes (count)	☐ Stop	Lines	□Dvna	amic Enve	elone		/Medians oproaches	☐ Me	dian	(R15-3) □ Yes		Display Yes	'ed	
□ No	/		ing Symb	,			•	•			□ No		□ No		
2.J. Other MUTCD S	Signs	☐ Ye	es 🗷 No	0	-			ate Crossing	2.L.	. LED Er	hanced Signs	(List types	.)		
Specify Type		Cour	ıt				Signs (if	private)							
Specify Type		Coun	ıt				☐ Yes	■ No							
Specify Type		Coun	ıt						1						
3. Types of Train A											Ya suurtaal Elaal	Ur-Liabta		T 2 1	T-t-1 Count of
3.A. Gate Arms (count)	3.B. Gate Cor	afiguration		3.C. Cantile Structures		or Briay	<i>led)</i> Flasiii	ng Lignt			Mounted Flasl nasts) 0	hing Lignus	į		E. Total Count of ashing Light Pairs
,	☐ 2 Quad	☐ Full <i>(B</i>	Barrier)	Over Traffi	. ,	0	_ 🗆 lr	ncandescent		Incande		 □ LED			3111118 2.81.11
Roadway 0	☐ 3 Quad	Resistan				0		==		Back Lig	hts Included	☐ Side	_	0	
Pedestrian 0	☐ 4 Quad	☐ Media	ın Gates	Not Over T	rattic Lar	ne <u> </u>	_ 🗆 L	ED				Include	ed		
3.F. Installation Dat				3.G. Wayside H	lorn				1		lighway Traffi	c Signals C	ontrollin	g	3.I. Bells
Active Warning Dev		<i>YY)</i> Not Requi	irad	☐ Yes Insta	alled on ((MM/Y	YYY)		_	Cross	ing s ⊠ No				(count)
/		. Not nequi	reu	■ No		•	,								0
3.J. Non-Train Activ ☐ Flagging/Flagma	•	Operated S	ignals □	☐ Watchman ☐] Floodlig	ghting [□ None			. Other _{unt} <u>0</u>	Flashing Light S		_	:es	
4.A. Does nearby H	•	y Traffic Sig	gnal	4.C. Hwy Traffic	c Signal P	reemp	tion	5. Highway T		Pre-Sigr	nals	_	•		g Devices
Intersection have		nnection	امدد					□ Yes □	No			(Check a			Describe
Traffic Signals?		Interconne Traffic Signa		☐ Simultaneou	Πζ			Storage Dista	nce *						Recording ence Detection
☐ Yes ☐ No		Warning Sig		☐ Advance				Storage Dist				☐ None			
				Pa	rt IV: ſ	Physi	cal Cha	racteristic	S						
1. Traffic Lanes Cros	ssing Railroad	☐ One-w		ic 2.			way/Pathway 3. Does Track Run Down a Street?			n a Street?		_		ated? (Street 50 feet from	
Number of Lanes		☐ Divide	ed Traffic	С	□ Ye		□ No		□ Yes		No	nearest i	rail) 🗷 Y	⁄es	□ No
5. Crossing Surface ☐ 1 Timber ☐											dth * er		Length *	·	
☐ 8 Unconsolidate	•				Jiciete		Concrete	and Rubbei	□ 0	Rubbe	:i 🗆 / ivie	lai			
6. Intersecting Roa	dway within 50)0 feet?					7. Small	est Crossing A	ngle			8. Is Commercial Power Available? *			
☐ Yes ☐ No	If Yes, Approxi	imate Dista	nce <i>(fee</i> i	+)			□ 0° − 29° □ 30° − 59° □ 60° - 90°			☐ Yes ☐ No					
163 110	п тез, дрргохп	mate bista	ice (jeet		V: Pul	blic H		/ Informat			00 30	<u> </u>			
1. Highway System			2 F	Functional Classi				<u> </u>		Is Cross	sing on State I	Highway	1 1 1	High	way Speed Limit
1. Highway System			2.1		(0) Rural			116		stem?	on State i	iigiiway			MPH
_ ` `	tate Highway S	•		(1) Interstate				r Collector			□ No				ed □ Statutory
	· Nat Hwy Syste ·al AID, Not NHS			(2) Other Freew (3) Other Princip	•	•	•	r Collector	5.	Linear	Referencing S	ystem <i>(LRS</i>	Route I	D) *	
☐ (03) Feder		,		(4) Minor Arteri	-		(7) Local		6.	LRS Mi	lepost *				
7. Annual Average Year <u>1970</u> дд	, ,	ADT)	3. Estima	nated Percent Tru		9. Reg □ Yes		ed by School B Average Nu		per Day	0	_ 10. _ □ Y		ncy S No	Services Route
Submi	ission Infor	rmation	- This i	information i	is used :	for aa	lministro	ative purpo	ses a	nd is r	ot availabl	e on the	public	wei	bsite.
Cultura integral lavo				0	* :						Dhana			-	
Submitted by	rdon for this in	formation	collection	Organizat		o 20 mi	nutos nor	rosponso inc	luding	the tim	Phone	a instructi		Date	ag existing data
Public reporting but sources, gathering a															
agency may not cor	nduct or sponso	or, and a pe	erson is r	not required to,	nor shall	l a pers	on be sub	ject to a pena	lty for	failure	to comply witl	h, a collect	ion of in	form	nation unless it
displays a currently other aspect of this												_	-		•
Washington, DC 20		luullig lõi l	educing	this burden to.	IIIIOIIIIai	tion co	nection o	ilicei, reueiai	Naiii O	au Aun	iiiiisti atioii, 12	200 New Je	ersey Ave	s. 3E,	, 1013-23

The project site is located 31,360 feet from the nearest edge of the Madisonville Regional Airport. The HUD Airport Noise Worksheet for the airport documents that noise is not expected to be generated beyond the airport boundaries







REPORT

Data Source	· https://www.faa	nov/air	traffic/flight	info/aeronav/aero	data/
Data Source	. 1111ps.//www.rad	ı.yuv/aii	ti aiiit/iiiqiit	IIIIU/aciullav/aciu	uala

1 ASSOC CITY: 2 AIRPORT NAME:		ONVILLE ONVILLE RGNL	4 STATE: KY	LOC ID: 210 5 COUNTY: HOPKINS, KY	FAA SITE NR: 07259.*A
3 CBD TO AIRPORT (N	IM): 5 NE		6 REGION/ADO: ASO /MEM	7 SECT AERO CHT: ST LOUIS	
10 OWNERSHIP:	PUBLIC	NERAL	70 FUEL:	SERVICES 100LL A+	BASED AIRCRAFT 90 SINGLE ENG: 24
11 OWNER: 12 ADDRESS:	CITY OF MADISO		71 AIRFRA	_	91 MULTI ENG: 1 92 JET: 1
13 PHONE NR:	MADISONVILLE, 270-824-2110		73 BOTTLE	ANT RPRS: E OXYGEN:	93 HELICOPTERS: 3 TOTAL: 29
14 MANAGER: 15 ADDRESS:	162 AIRPORT RO	DAD	74 BULK C 75 TSNT S	TORAGE: HGR TIE	94 GLIDERS: 0
16 PHONE NR:	MADISONVILLE, 270-821-3453	KY 42431	76 OTHER	SERVICES:	95 MILITARY: 0 96 ULTRA-LIGHT: 0
17 ATTENDANCE SCH MONTHS	DAYS	HOURS			
ALL	HOLIDAY	0800-17			
ALL ALL	SAT-SUN MON-FRI	0800-17 0700-17			
ALL	MON-I KI	0700-11		FACILITIES	OPERATIONS
			80 ARPT B0		100 AIR CARRIER: 0
			81 ARPT LO BCN LG		102 AIR TAXI: 0 103 G A LOCAL: 9,174
18 AIRPORT USE:	PUBLIC		82 UNICOM		104 G A ITNRNT: 6,116
19 ARPT LAT:		1.339N ESTIMATED	83 WIND IN		105 MILITARY: 500
20 ARPT LONG:	87-23-5			NTED CIRCLE: YES	TOTAL: 15,790
21 ARPT ELEV: 22 ACREAGE:	439.1 Si 215	URVEYED	85 CONTRO 86 FSS:	DL TWR: NO LOUISVILLE	
23 RIGHT TRAFFIC:	NO		87 FSS ON		OPERATIONS FOR 12
24 NON-COMM LANDII	-		88 FSS PH		MONTHS ENDING 11/08/2016
25 NPIAS/FED AGREE 26 FAR 139 INDEX:	MENTS: YES/N /	GY	89 TOLL FF	REE NR: 1-800-WX-BRIEF	
RUNWAY DA	ATA				
30 RUNWAY IDENT:		05/23			
31 LENGTH: 32 WIDTH:		6,051 100			
33 SURF TYPE-COND:	:	ASPH-F			
34 SURF TREATMENT		NONE			
35 GROSS WT: 36 (IN THSDS)	S D	92.0 127.0			
37	2D	127.0			
38	2D/2DS				
39 PCN / PCR: LIGHTING/APCI	HAIDS	36/F/C/X/T (PCN)			
40 EDGE INTENSITY:	II AIDS	HIGH			
42 RWY MARK TYPE-0	COND:	NPI- F / NPI- F			
43 VGSI:	NT.	P4L / P4L			
44 THR CROSSING HG 45 VISUAL GLIDE ANG		36 / 41 3.00 / 3.00			
46 CNTRLN-TDZ:		-/-			
47 RVR-RVV:		-/- X//N			
48 REIL: 49 APCH LIGHTS:		Y/N /ODALS			
OBSTRUCTION	I DATA	/ ODALS			
50 FAR 77 CATEGORY		C/C			
51 DISPLACED THR:		/ TDEE0./			
52 CTLG OBSTN: 53 OBSTN MARKED/LO	GTD:	TREES / /			
54 HGT ABOVE RWY E		, 79 /			
55 DIST FROM RWY E	ND:	946 / 0			
56 CNTRLN OFFSET: 57 OBSTN CLNC SLOF	DE.	434L / 9:1 / 34:1			
58 CLOSE-IN OBSTN:	<u>-</u> .	9.1 / 34.1 N / N			
DECLARED DIST		.,			
60 TAKE OFF RUN AVI		/			
61 TAKE OFF DIST AV 62 ACLT STOP DIST A	` '	/ /			
OF MOET OTOF DIGITA	, ,	,			
63 LNDG DIST AVBL (L	_DA):	/			

ACTVT ODALS RWY 23; REIL RWY 05; HIRL RWY 05/23 - CTAF. HIRL RWY 05/23 PRESET LOW INTST; INCR INTST - CTAF. A 081

A 110-002 FOR CD WHEN RCO 120.1 OTS CTC EVANSVILLE APCH AT 812-436-4689, WHEN APCH CLSD CTC INDIANAPOLIS ARTCC AT 317-247-2411.

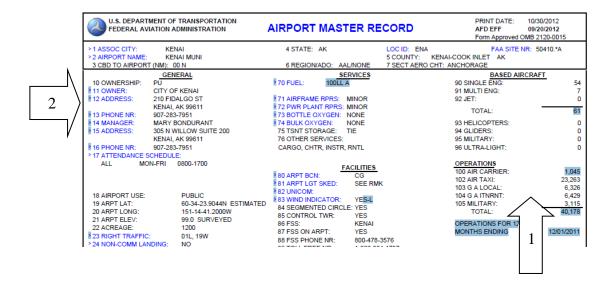
111 INSPECTOR: (S) 112 LAST INSP: 11/06/2019 113 LAST INFO RES: 12/01/1999

Airport Noise Worksheet

Use this worksheet to identify information needed to evaluate a site's exposure to aircraft noise.

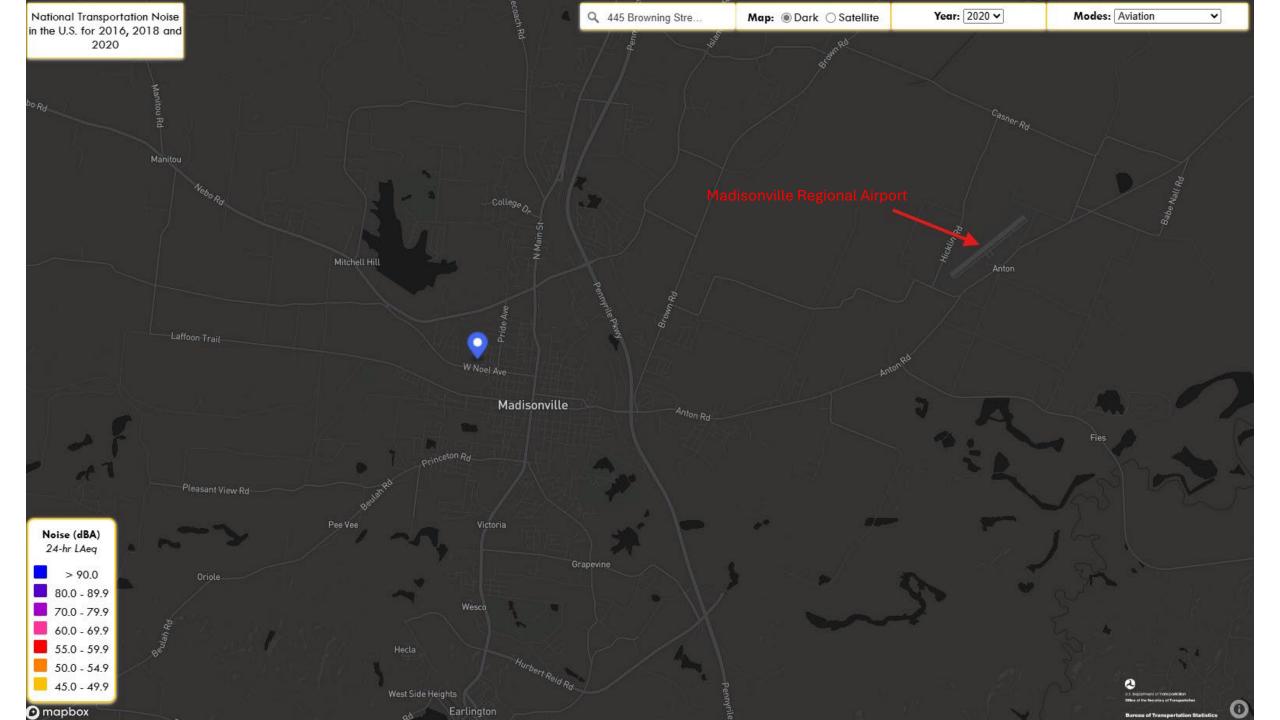
<u>Name and Location of Project</u>: Harper Village 445 Browning Street <u>Date</u>: 8/9/2024 <u>Name of Airport</u>: 210 - Madisonville Regional <u>Person completing worksheet</u>: Suzanne Arnzen, CMec

- 1. Determine if the proposed site/project is within 15 miles of a civil or military airport.
- No. Attach a map identifying the location of the proposed project site and the location of any airports. This worksheet is not required.
- X Yes. Attach a map identifying the location of the proposed project site and the location of any airports. Continue
- 2. Determine the number of operations at the airport by:
 - Going to: http://www.gcr1.com/5010web/
 - Type in the name of the city press search
 - Find your airport.
 - Open the report under "Print 5010"
 - Complete section 3 below by using the information found in the report (see arrow #1 in the example below)



3.	Determine if the annual number of or military #105, and general aviation #	•		is #102,
An	nual air carrier operations0 nual air taxi operations0 . nual military operations500 nual general aviation operations15,290 If you answer "No" on each of the quest the airplanes will not extend beyond the documentation in your Environmental Ro of airport noise for this airport. If you had to 5.	tions above, it is assumed the boundaries of the airport. It eview Record. You are find	Maintain tl ished with	No_X No_X No_X se attributed to he the evaluation
2.	Contact the airport manager, (see arrow a contour maps. Are contour maps available. Yes. Locate your project on the noise are being considered for noise, utilize if the site is acceptable. If roads or rate obtained from the airport noise contout the HUD Noise Assessment Guideling https://www.hudexchange.info/environment.	ole? e contour map. If there are the information from the callroads are being considered ours, along with the road and the (NAG) or the online too	no roads of contour maded input the drailroad	or railroads that ap to determine e information
	No. Construct the approximate DNL of the <u>NAG</u> . You will need to obtain number of nighttime jet operations (1 operations (7 am to 10 pm) 3). The fl information about expected changes increase or decrease in the next 10 to	the following information lopm to 7 am) 2). The numlight paths of the major runin airport traffic (e.g. will the	from the aber of day ways. 4).	nirport: 1). The vtime jet Any available

Contact your HUD Representative if you need assistance



Home (/) > Programs (/programs/) > Environmental Review (/programs/environmental-review/) > DNL Calculator

DNL Calculator

The Day/Night Noise Level Calculator is an electronic assessment tool that calculates the Day/Night Noise Level (DNL) from roadway and railway traffic. For more information on using the DNL calculator, view the Day/Night Noise Level Calculator Electronic Assessment Tool Overview (/programs/environmental-review/daynight-noise-level-electronic-assessment-tool/).

Guidelines

- To display the Road and/or Rail DNL calculator(s), click on the "Add Road Source" and/or "Add Rail Source" button(s) below.
- All Road and Rail input values must be positive non-decimal numbers.
- All Road and/or Rail DNL value(s) must be calculated separately before calculating the Site DNL.
- All checkboxes that apply must be checked for vehicles and trains in the tables' headers.
- **Note #1:** Tooltips, containing field specific information, have been added in this tool and may be accessed by hovering over all the respective data fields (site identification, roadway and railway assessment, DNL calculation results, roadway and railway input variables) with the mouse.
- **Note #2:** DNL Calculator assumes roadway data is always entered.

Record Date User's Name	08/14/2	024		
User's Name				
	Suzanne	Arnzen		
Road # 1 Name:	West No	el Avenue		
Road #1				
Vehicle Type	Cars		Medium Trucks 🗹	Heavy Trucks 🗸
Effective Distance	958		958	958
Distance to Stop Sign				
Average Speed	40		40	40
Average Daily Trips (AD	OT) 338	7	371	108
Night Fraction of ADT	15		15	15
Road Gradient (%)				1
Vehicle DNL	41		41	45
Calculate Road #1 DN	L 48		Reset	

Effective Distance			184	6
Average Train Speed			20	
Engines per Train			2	
Railway cars per Train			50	
Average Train Operations (ATO)			2	
Night Fraction of ATO			0	
Railway whistles or horns?	Yes:	No:		Yes: ☑ No: □
Bolted Tracks?	Yes:	No:		Yes: ✓ No: □
Train DNL	0		46	
Calculate Rail #1 DNL	46		Rese	et
Add Road Source Add Rail Source	2			
Airport Noise Level				
Loud Impulse Sounds?		○Yes ○No		
Combined DNL for all Road and Rail sources		50		
Combined DNL including Airport		N/A		
Site DNL with Loud Impulse Sound				
Calculate Reset				

Mitigation Options

If your site DNL is in Excess of 65 decibels, your options are:

- **No Action Alternative**: Cancel the project at this location
- Other Reasonable Alternatives: Choose an alternate site
- Mitigation
 - Contact your Field or Regional Environmental Officer (/programs/environmentalreview/hud-environmental-staff-contacts/)
 - Increase mitigation in the building walls (only effective if no outdoor, noise sensitive areas)
 - Reconfigure the site plan to increase the distance between the noise source and noise-sensitive uses
 - Incorporate natural or man-made barriers. See The Noise Guidebook (/resource/313/hud-noise-guidebook/)
 - Construct noise barrier. See the Barrier Performance Module (/programs/environmental-review/bpm-calculator/)

Tools and Guidance

Day/Night Noise Level Assessment Tool User Guide (/resource/3822/day-night-noise-level-assessment-tool-user-guide/)

Day/Night Noise Level Assessment Tool Flowcharts (/resource/3823/day-night-noise-level-assessment-tool-flowcharts/)

ENCLOSURE M SOLE SOURCE AQUIFER

OMB No. 2506-0177 (exp.2/28/2025)



U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WASHINGTON, DC 20410-1000

This Worksheet was designed to be used by those "Partners" (including Public Housing Authorities, consultants, contractors, and nonprofits) who assist Responsible Entities and HUD in preparing environmental reviews, but legally cannot take full responsibilities for these reviews themselves. Responsible Entities and HUD should use the RE/HUD version of the Worksheet.

Sole Source Aquifers (CEST and EA) - PARTNER

<u>ht</u>	:ps://www.hudexchange.info/environmental-review/sole-source-aquifers
1.	Is the project located on a sole source aquifer (SSA)¹? ⊠No → If the RE/HUD agrees with this recommendation, the review is in compliance with this section Continue to the Worksheet Summary below. Provide documentation used to make your determination, such as a map of your project or jurisdiction in relation to the nearest SSA.
	□Yes → Continue to Question 2.
2.	Does the project consist solely of acquisition, leasing, or rehabilitation of an existing building(s)? \Box Yes \Rightarrow The review is in compliance with this section. Continue to the Worksheet Summary below.
	\square No \rightarrow Continue to Question 3.
3.	Does your region have a memorandum of understanding (MOU) or other working agreement with EPA for HUD projects impacting a sole source aquifer? Contact your Field or Regional Environmental Officer or visit the HUD webpage at the link above to determine if an MOU or agreement exists in your area. □Yes → Continue to Question 4.
	\square No \rightarrow Continue to Question 5.
4.	Does your MOU or working agreement exclude your project from further review? □Yes → If the RE/HUD agrees with this recommendation, the review is in compliance with this section Continue to the Worksheet Summary below. Provide documentation used to make your determination and document where your project fits within the MOU or agreement.
	\square No \rightarrow Continue to Question 5.

^{5.} Will the proposed project contaminate the aquifer and create a significant hazard to public health? Consult with your Regional EPA Office. Your consultation request should include detailed information about your proposed project and its relationship to the aquifer and associated streamflow source area.

¹ A sole source aquifer is defined as an aquifer that supplies at least 50 percent of the drinking water consumed in the area overlying the aquifer. This includes streamflow source areas, which are upstream areas of losing streams that flow into the recharge area.

EPA will also want to know about water, storm water and waste water at the proposed project. Follow your MOU or working agreement or contact your Regional EPA office for specific information you may need to provide. EPA may request additional information if impacts to the aquifer are questionable after this information is submitted for review.

- □No → If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide your correspondence with the EPA and all documents used to make your determination.
- ☐Yes → The RE/HUD will work with EPA to develop mitigation measures. If mitigation measures are approved, attach correspondence with EPA and include the mitigation measures in your environmental review documents and project contracts. If EPA determines that the project continues to pose a significant risk to the aquifer, federal financial assistance must be denied. Continue to Question 6.

Worksheet Summary

Provide a full description of your determination and a synopsis of the information that it was based on, such as:

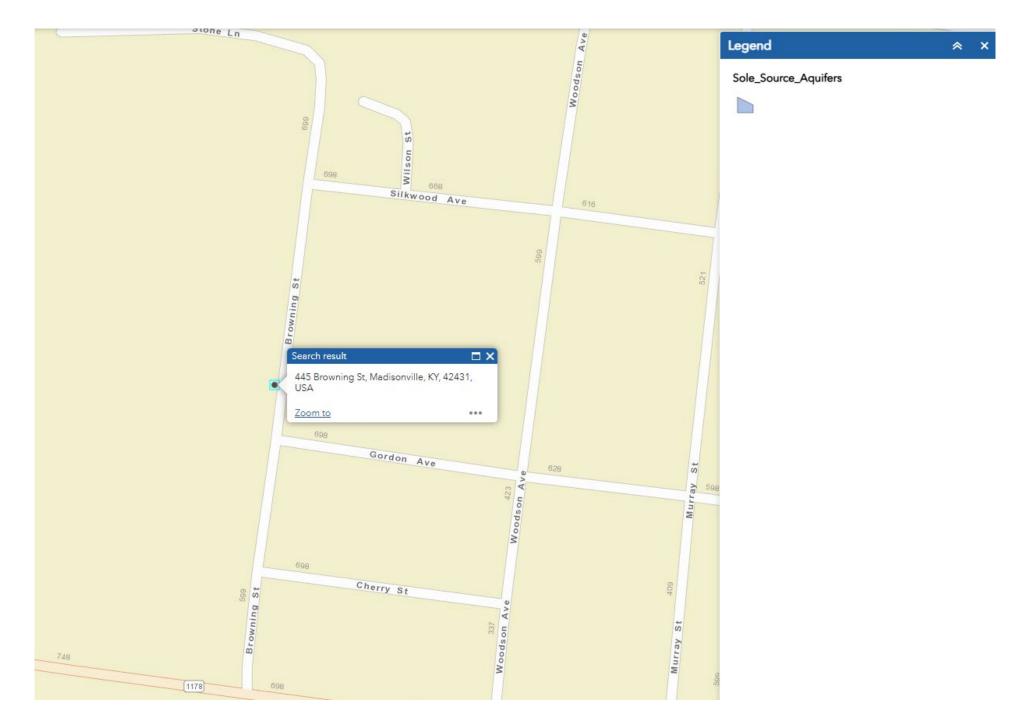
- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your program or region

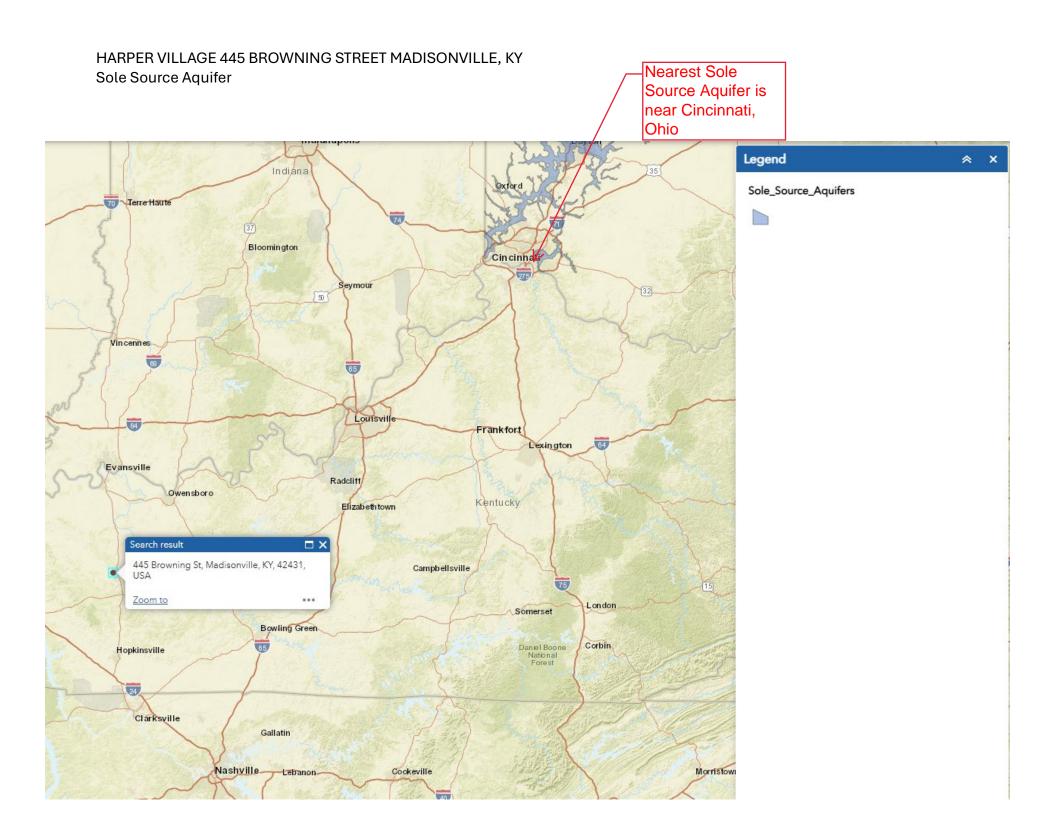
Include all documentation supporting your findings in your submission to HUD.

The project is not located on a sole source aquifer area. There are no sole source aquifers in Kentucky. See attached. The project is in compliance with Sole Source Aquifer requirements.

Supporting Documentation

Sole Source Aquifer Backup Harper.pdf





ENCLOSURE N WETLANDS PROTECTION



U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WASHINGTON, DC 20410-1000

This Worksheet was designed to be used by those "Partners" (including Public Housing Authorities, consultants, $contractors, and \, nonprofits) \, who \, assist Responsible \, Entities \, and \, HUD in \, preparing \, environmental \, reviews, \, but \, legally \, and \, reviews \, are the contractors and \, reviews \, are the contractors and \, reviews \, are the contractors \, are the contractors \, and \, reviews \, are the contractors \, and \, reviews \, are the contractors \, are the contractors \, and \, reviews \, are the contractors \, are the contrac$ cannot take full responsibilities for these reviews themselves. Responsible Entities and HUD should use the RE/HUD version of the Worksheet.

Wetlands (CEST and EA) - Partner

<u>http</u>

☐ 8-Step Process is inapplicable per 55.12(b).

Click here to enter text.

Provide the applicable citation at 24 CFR 55.12(b) here.

os:/	/www.hudexchange.info/environmental-review/wetlands-protection
1.	Does this project involve new construction as defined in Executive Order 11990, expansion of a building's footprint, or ground disturbance? The term "new construction" includes draining, dredging, channelizing, filling, diking, impounding, and related activities and construction of any any structures or facilities. □ No → If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below.
	\boxtimes Yes \rightarrow Continue to Question 2.
2.	Will the new construction or other ground disturbance impact a wetland as defined in E.O. 11990?
	⋈ No → If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide a map or any other relevant documentation to explain your determination.
	\square Yes \rightarrow <u>Work with HUD or the RE to assist with the 8-Step Process.</u> Continue to Question 3.
3.	Does Section 55.12 state that the 8-Step Process is not required?
	 □ No, the 8-Step Process applies. This project will require mitigation and may require elevating structure or structures. See the link to the HUD Exchange above for information on HUD's elevation requirements. → Work with the RE/HUD to assist with the 8-Step Process. Continue to Worksheet Summary.
	 □ 5-Step Process is applicable per 55.12(a). Provide the applicable citation at 24 CFR 55.12(a) here. Click here to enter text. → Work with the RE/HUD to assist with the 5-Step Process. This project may require mitigation or alternations. Continue to Worksheet Summary.

- → If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to Worksheet Summary.
- ☐ 8-Step Process is inapplicable per 55.12(c).

Provide the applicable citation at 24 CFR 55.12(c) here.

Click here to enter text.

→ If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to Worksheet Summary.

Worksheet Summary

Provide a full description of your determination and a synopsis of the information that it was based on, such as:

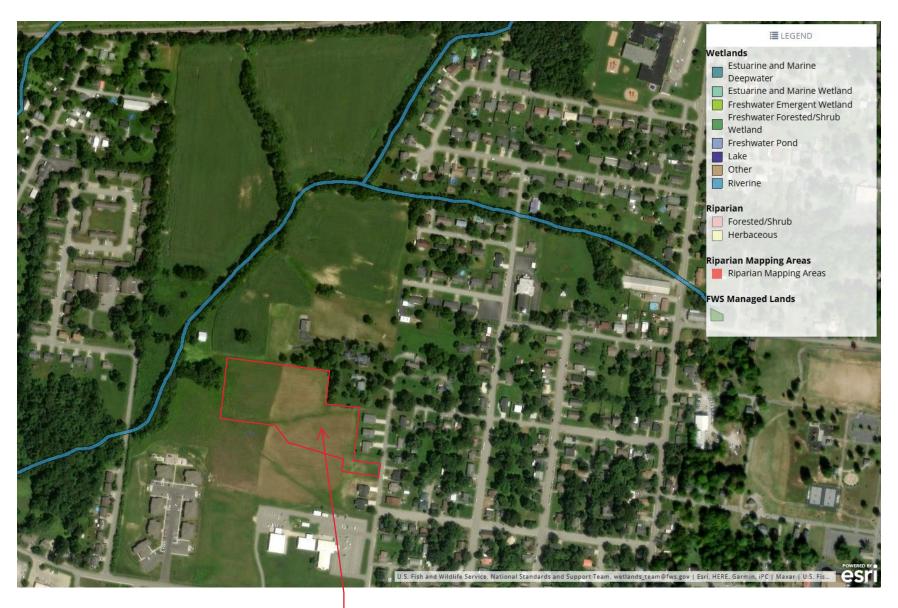
- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your program or region

Include all documentation supporting your findings in your submission to HUD.

The project will not impact on- or off-site wetlands. The project is in compliance with Executive Order 11990. The USFWS National Wetlands Inventory map shows there are no wetlands on or adjacent to the project site. Additionally, CETCO provided a wetlands assessment letter noting "We (CETCO) conducted a site reconnaissance on August 5, 2024 and also provided soil sampling as part of our services. It is our opinion that the site does not contain wetland areas. The site area contains two swale areas. Formerly, the site was part of a small lake (1960's mapping) and the swale areas were impounded by a small dam. The dam was removed, the area re-graded and the area has since free drained. During our site visit there were large scale "erosion rills" at the swale bottoms, indicative of rapid water flow with minimal to no water ponding during rain events. Further, the soil areas retained minimal to no vegetation directly at the swale bottoms (bare soil was exposed over much of the area). Remaining plant growth was commonly bush-hogged and mowed with only mostly open field grasses remaining. Soils sampled were brown lean clay residual soils with a small amount of oxide staining, but no mottling or large-scale oxidation markings and were not hydric soils."

Supporting Documentation

Harper Village Wetlands Map.pdf
CETCO Harper Village Wetlands Letter.pdf



Harper Village Approx 445 Browning Street Madisonville, KY





September 1, 2024

Mr. Marty Cummings
Clayton Watkins Construction Co.
100 Wabuck Drive
Leitchfield, KY 42754

via email: martin.cummings@claytonwatkins.com

Subject: Wetlands Assessment

Harper Village Apartments Madisonville, Kentucky

CETCO Project No. 1015-24-0122

Dear Marty:

CETCO is providing this wetlands assessment letter for the project site in Madisonville, Kentucky. We conducted a site reconnaissance on August 5, 2024 and also provided soil sampling as part of our services.

It is our opinion that the <u>site does not contain wetland areas</u>. The site area contains two swale areas. Formerly, the site was part of a small lake (1960's mapping) and the swale areas were impounded by a small dam. The dam was removed, the area re-graded and the area has since free drained. During our site visit there were large scale "erosion rills" at the swale bottoms, indicative of rapid water flow with minimal to no water ponding during rain events. Further, the soil areas retained minimal to no vegetation directly at the swale bottoms (bare soil was exposed over much of the area). Remaining plant growth was commonly bush-hogged and mowed with only mostly open field grasses remaining. Soils sampled were brown lean clay residual soils with a small amount of oxide staining, but no mottling or large-scale oxidation markings and were not hydric soils.

We appreciate the opportunity to provide our services to you and the project team. Please do not hesitate to contact us for questions or comments about the information contained herein.

Cordially,

Joseph S. Cooke, P.E.

Principal Principal

ENCLOSURE O WILD AND SCENIC RIVERS

Wild and Scenic Rivers (CEST and EA) – PARTNER

This Worksheet was designed to be used by those "Partners" (including Public Housing Authorities, consultants, contractors, and nonprofits) who assist Responsible Entities and HUD in preparing environmental reviews, but legally cannot take full responsibilities for these reviews themselves. Responsible Entities and HUD should use the RE/HUD version of the Worksheet.

General requirements	Legislation	Regulation						
The Wild and Scenic Rivers Act	The Wild and Scenic Rivers	36 CFR Part 297						
provides federal protection for	Act (16 U.S.C. 1271-1287),							
certain free-flowing, wild, scenic	particularly section 7(b) and							
and recreational rivers	(c) (16 U.S.C. 1278(b) and (c))							
designated as components or								
potential components of the								
National Wild and Scenic Rivers								
System (NWSRS) from the effects								
of construction or development.								
References								
https://www.hudexchange.info/environmental-review/wild-and-scenic-rivers								

1. Is your project within proximity of a NWSRS river as defined below?

Wild & Scenic Rivers: These rivers or river segments have been designated by Congress or by states (with the concurrence of the Secretary of the Interior) as wild, scenic, or recreational

<u>Study Rivers:</u> These rivers or river segments are being studied as a potential component of the Wild & Scenic River system.

<u>Nationwide Rivers Inventory (NRI):</u> The National Park Service has compiled and maintains the NRI, a register of river segments that potentially qualify as national wild, scenic, or recreational river areas

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→ If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Provide documentation used to make your determination, such as a map identifying the project site and its surrounding area or a list of rivers in your region in the Screen Summary at the conclusion of this screen.

	Yes, the project	is in	proximity of	a N	Nationwide	Rivers	Inventory	(NRI)	River.
--	------------------	-------	--------------	-----	------------	--------	-----------	-------	--------

→ Continue to Question 2.

2. Could the project do any of the following?

- Have a direct and adverse effect within Wild and Scenic River Boundaries,
- Invade the area or unreasonably diminish the river outside Wild and Scenic River Boundaries, or
- Have an adverse effect on the natural, cultural, and/or recreational values of a NRI segment.

Consultation with the appropriate federal/state/local/tribal Managing Agency(s) is required, pursuant to Section 7 of the Act, to determine if the proposed project may have an adverse effect on a Wild & Scenic River or a Study River and, if so, to determine the appropriate avoidance or mitigation measures.

<u>Note</u>: Concurrence may be assumed if the Managing Agency does not respond within 30 days; however, you are still obligated to avoid or mitigate adverse effects on the rivers identified in the NWSRS

- ☐ No, the Managing Agency has concurred that the proposed project will not alter, directly, or indirectly, any of the characteristics that qualifies or potentially qualifies the river for inclusion in the NWSRS.
- → If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Provide documentation of the consultation (including the Managing Agency's concurrence) and any other documentation used to make your determination.
- ☐ Yes, the Managing Agency was consulted and the proposed project may alter, directly, or indirectly, any of the characteristics that qualifies or potentially qualifies the river for inclusion in the NWSRS.
- → The RE/HUD must work with the Managing Agency to identify mitigation measures to mitigate the impact or effect of the project on the river.

Worksheet Summary

Compliance Determination

Provide a clear description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your region

This project is not within proximity of a NWSRS river. Per ESRI GIS the project site is not within the proximity of the portion of the Red River designated as Wild and Scenic (over 50 miles away). The Red River is the only Wild and Scenic River in Kentucky. See the attached. The site is approximately 34 miles from the Ohio River, the nearest Nationwide Rivers Inventory body. There are no study rivers in Kentucky. https://www.rivers.gov/study.php. See the attached list from the HUD Exchange (https://www.rivers.gov/study.php). The project is in compliance with the Wild and Scenic Rivers Act.

Are formal compliance	steps or	mitigation	required?
☐ Yes			

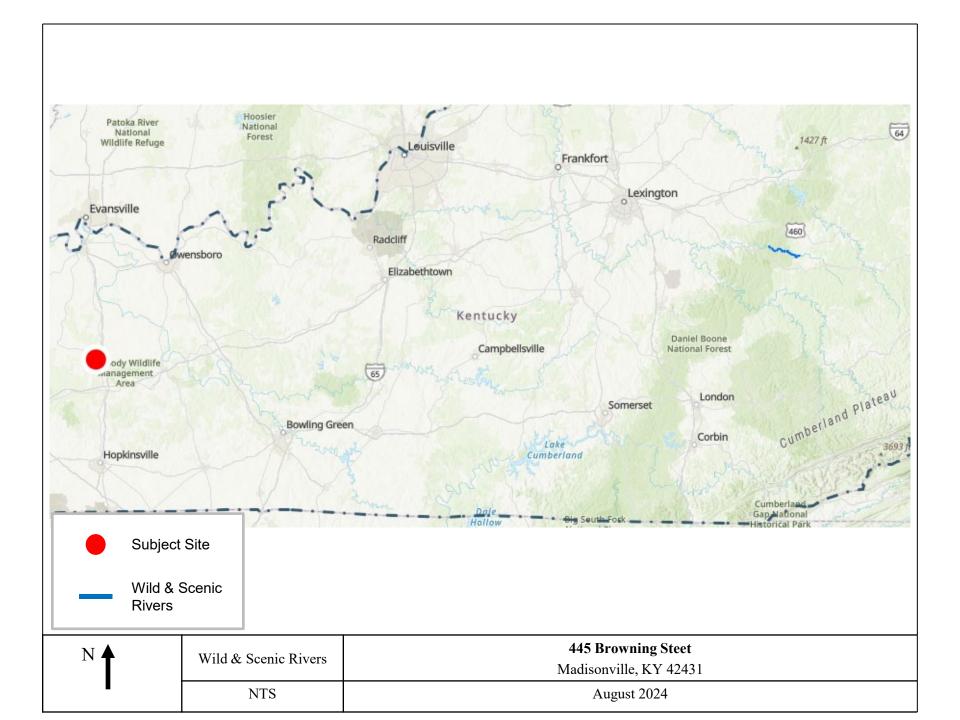
⊠ No

Supporting Documentation

2 Eligible Suitable Rivers Official_None in Kentucky.csv

3 Study Rivers_None in Kentucky.pdf

Harper Village Wild And Scenic Rivers.pdf



F SHIITARI	OEEIGIAI.	LICT

River_Nam Status	Miles State1	State2	State3	Eligibility_S Suitability_ Administrative_Unit1
Little River Eligible	39 Alabama	None	None	https://irma.nps.gov/E Little River Canyon National Preserve
Cinder Rive Eligible	26 Alaska	None	None	https://irma.nps.gov/E Aniakchak National Monument & Preserve
Main Creek Eligible	17 Alaska	None	None	https://irma.nps.gov/E Aniakchak National Monument & Preserve
Meshik Riv(Eligible	24 Alaska	None	None	https://irma.nps.gov/E Aniakchak National Monument & Preserve
Espenberg Eligible	10 Alaska	None	None	https://irma.nps.gov/C Bering Land Bridge National Preserve
Goodhope Eligible	441 Alaska	None	None	https://irma.nps.gov/C Bering Land Bridge National Preserve
Kuzitrin Riv Eligible	259 Alaska	None	None	https://irma.nps.gov/C Bering Land Bridge National Preserve
Noxapaga Eligible	270 Alaska	None	None	https://irma.nps.gov/C Bering Land Bridge National Preserve
Nugnugalu Eligible	311 Alaska	None	None	https://irma.nps.gov/C Bering Land Bridge National Preserve
Serpentine Eligible	127 Alaska	None	None	https://irma.nps.gov/C Bering Land Bridge National Preserve
Nenana Riv Eligible	34 Alaska	None	None	https://irma.nps.gov/C Denali National Park & Preserve
Anaktuvuk Eligible	37 Alaska	None	None	https://irma.nps.gov/E Gates Of The Arctic National Park & Preserve
Chandler R Eligible	32 Alaska	None	None	https://irma.nps.gov/E Gates Of The Arctic National Park & Preserve
Etivluk Rive Eligible	20 Alaska	None	None	https://irma.nps.gov/E Gates Of The Arctic National Park & Preserve
Ernie Creel Eligible	16 Alaska	None	None	https://irma.nps.gov/E Gates Of The Arctic National Park & Preserve
Itkillik Rive Eligible	41 Alaska	None	None	https://irma.nps.gov/E Gates Of The Arctic National Park & Preserve
Killik River Eligible	73 Alaska	None	None	https://irma.nps.gov/E Gates Of The Arctic National Park & Preserve
Kugrak Rive Eligible	22 Alaska	None	None	https://irma.nps.gov/E Gates Of The Arctic National Park & Preserve
Nigu River Eligible	27 Alaska	None	None	https://irma.nps.gov/E Gates Of The Arctic National Park & Preserve
Reed River Eligible	40 Alaska	None	None	https://irma.nps.gov/E Gates Of The Arctic National Park & Preserve
Alsek River Eligible	34 Alaska	None	None	https://irma.nps.gov/E Glacier Bay National Park & Preserve
American (Eligible	39 Alaska	None	None	https://irma.nps.gov/E Katmai National Park & Preserve
Big River Eligible	21 Alaska	None	None	https://irma.nps.gov/E Katmai National Park & Preserve
Headwater Eligible	20 Alaska	None	None	https://irma.nps.gov/E Katmai National Park & Preserve
Moraine Cr Eligible	38 Alaska	None	None	https://irma.nps.gov/E Katmai National Park & Preserve
Hallo Cree Eligible	9 Alaska	None	None	https://irma.nps.gov/E Katmai National Park & Preserve
Savonoski Eligible	96 Alaska	None	None	https://irma.nps.gov/E Katmai National Park & Preserve
Katmai Riv(Eligible	48 Alaska	None	None	https://irma.nps.gov/E Katmai National Park & Preserve
Ukak River Eligible	48 Alaska	None	None	https://irma.nps.gov/E Katmai National Park & Preserve
Kulik River Eligible	2 Alaska	None	None	https://irma.nps.gov/E Katmai National Park & Preserve
Naknek Riv Eligible	8 Alaska	None	None	https://irma.nps.gov/E Katmai National Park & Preserve
Swikshak F Eligible	11 Alaska	None	None	https://irma.nps.gov/E Katmai National Park & Preserve
Addison Cr Eligible	3 Alaska	None	None	https://irma.nps.gov/E Kenai Fjords National Park
Bear Glaci Eligible	7 Alaska	None	None	https://irma.nps.gov/E Kenai Fjords National Park
Delight Cre Eligible	4 Alaska	None	None	https://irma.nps.gov/E Kenai Fjords National Park
Desire Cred Eligible	3 Alaska	None	None	https://irma.nps.gov/E Kenai Fjords National Park
Nuka River Eligible	12 Alaska	None	None	https://irma.nps.gov/E Kenai Fjords National Park
Resurrectic Eligible	17 Alaska	None	None	https://irma.nps.gov/E Kenai Fjords National Park
Skagway Ri Eligible	6 Alaska	None	None	https://irma.nps.gov/E Klondike Gold Rush National Historical Park
Taiya River Eligible	19 Alaska	None	None	https://irma.nps.gov/E Klondike Gold Rush National Historical Park
Beaver Cre Eligible	37 Alaska	None	None	https://irma.nps.gov/E Wrangell - St Elias National Park & Preserve
Bremner Ri Eligible	101 Alaska	None	None	https://irma.nps.gov/E Wrangell - St Elias National Park & Preserve
Chisana Ri Eligible	47 Alaska	None	None	https://irma.nps.gov/E Wrangell - St Elias National Park & Preserve
Chitina Riv Eligible	320 Alaska	None	None	https://irma.nps.gov/E Wrangell - St Elias National Park & Preserve
Copper Riv Eligible	72 Alaska	None	None	https://irma.nps.gov/E Wrangell - St Elias National Park & Preserve
Nabesna R Eligible	31 Alaska	None	None	https://irma.nps.gov/E Wrangell - St Elias National Park & Preserve
White River Eligible	33 Alaska	None	None	https://irma.nps.gov/E Wrangell - St Elias National Park & Preserve
Seventymil Eligible	26 Alaska	None	None	https://irma.nps.gov/E Yukon - Charley Rivers National Preserve
Chilligan R Eligible	17 Alaska	None	None	https://irma.nps.gov/E Lake Clark National Park & Preserve
Chokotonk Eligible	23 Alaska	None	None	https://irma.nps.gov/E Lake Clark National Park & Preserve
Crescent R Eligible	40 Alaska	None	None	https://irma.nps.gov/E Lake Clark National Park & Preserve
Kijik River Eligible	23 Alaska	None	None	https://irma.nps.gov/E Lake Clark National Park & Preserve
Neacola Ri Eligible	25 Alaska 25 Alaska	None	None	https://irma.nps.gov/E Lake Clark National Park & Preserve
Necons Riv Eligible	45 Alaska	None	None	https://irma.nps.gov/E Lake Clark National Park & Preserve
Red River Eligible	5 Alaska	None	None	https://irma.nps.gov/E Lake Clark National Park & Preserve
HOW HIVE LUGIDIC	J Alaska	140110	140116	https://iima.nps.50v/b Lake Otark National Lak & Lieselve

Stony River Eligible	39 Alaska	None	None	https://irma.nps.gov/E Lake Clark National Park & Preserve
Tanalian Ri Eligible	20 Alaska	None	None	https://irma.nps.gov/E Lake Clark National Park & Preserve
Tazimina R Eligible	57 Alaska	None	None	https://irma.nps.gov/E Lake Clark National Park & Preserve
Telaquana Eligible	44 Alaska	None	None	https://irma.nps.gov/E Lake Clark National Park & Preserve
Kelly River Eligible	56 Alaska	None	None	https://irma.nps.gov/E Noatak National Preserve
West Glaci Eligible	32 Alaska	None	None	https://irma.nps.gov/E Lake Clark National Park & Preserve
Middle Gla Eligible	6 Alaska	None	None	https://irma.nps.gov/E Lake Clark National Park & Preserve
East Glacie Eligible	11 Alaska	None	None	https://irma.nps.gov/E Lake Clark National Park & Preserve
Colorado R Eligible	509 Arizona	None	None	https://irma.nps.gov/E Grand Canyon National Park
Puerco Riv(Eligible	2 Arizona	None	None	https://irma.nps.gov/E Petrified Forest National Park
San Joaqui Suitable	27 California	None	None	https://irma.nps.gov/E Devils Postpile National Monument
San Joaqui Suitable	11 California	None	None	https://irma.nps.gov/E Kings Canyon National Park
Kaweah Ri\ Suitable	34 California		None	https://irma.nps.gov/E Sequoia & Kings Canyon National Parks
Kaweah Ri\ Suitable	14 California		None	https://irma.nps.gov/E Sequoia & Kings Canyon National Parks
Kaweah Ri\ Suitable	12 California		None	https://irma.nps.gov/E Sequoia & Kings Canyon National Parks
Big Sycam: Eligible	10 California		None	https://irma.nps.gov/E Santa Monica Mountains National Recreation Area
Olema Cre Eligible	11 California		None	https://irma.nps.gov/EPoint Reyes National Seashore
Redwood C Eligible	19 California		None	https://irma.nps.gov/E Redwood National and State Parks
Tuolumne I Eligible	18 California		None	https://irma.nps.gov/EYosemite National Park
Tuolumne I Eligible	15 California		None	https://irma.nps.gov/EYosemite National Park
Redwood C Eligible	5 California		None	https://irma.nps.gov/E Muir Woods National Monument
Mosca Cre Suitable	39 Colorado	None	None	https://irma.nps.gov/E Great Sand Dunes National Park & Preserve
Sand Creel Suitable	32 Colorado	None	None	https://irma.nps.gov/E Great Sand Dunes National Park & Preserve
Deadman (Suitable	7 Colorado	None	None	https://irma.nps.gov/E Great Sand Dunes National Park & Preserve
Big Spring (Suitable	10 Colorado	None	None	https://irma.nps.gov/E Great Sand Dunes National Park & Preserve
Gunnison F Eligible	1 Colorado	None	None	https://irma.nps.gov/E Curecanti National Recreation Area
Blue Creek Eligible	2 Colorado	None	None	https://irma.nps.gov/E Curecanti National Recreation Area
Curecanti (Eligible	1 Colorado	None	None	https://irma.nps.gov/E Curecanti National Recreation Area
West Elk C Eligible	0 Colorado		None	https://irma.nps.gov/E Curecanti National Recreation Area
Coal Creek Eligible	0 Colorado	None	None	https://irma.nps.gov/E Curecanti National Recreation Area
Arkansas R Eligible	3 Colorado	None	None	https://irma.nps.gov/E Bent's Old Fort National Historic Site
Colorado F Eligible	23 Colorado	None	None	https://irma.nps.gov/E Rocky Mountain National Park
Big Thomp: Eligible	16 Colorado	None	None	https://irma.nps.gov/ERocky Mountain National Park
Big Thomp: Eligible	8 Colorado	None	None	https://irma.nps.gov/ERocky Mountain National Park
Fall River Eligible	8 Colorado	None	None	https://irma.nps.gov/ERocky Mountain National Park
North St. V Eligible	9 Colorado	None	None	https://irma.nps.gov/ERocky Mountain National Park
Gunnison F Suitable	14 Colorado	None	None	https://irm.https://irm Black Canyon Of The Gunnison National Park
Waikolu St Eligible	4 Hawaii	None	None	https://irma.nps.gov/EKalaupapa National Historical Park
Waihānau : Eligible	4 Hawaii	None	None	https://irma.nps.gov/E Kalaupapa National Historical Park
Yellow Rive Suitable	4 Iowa	None	None	https://irma.nps.gov/C Effigy Mounds National Monument
Pleasant Ri Eligible	40 Maine	None	None	https://irma.nps.gov/EAppalachian National Scenic Trail
Katahdin S Eligible	9 Maine	None	None	https://irma.nps.gov/EAppalachian National Scenic Trail
Penobscot Mixed - see	344 Maine	None	None	https://irm.https://irm.Appalachian National Scenic Trail
Miners Rive Eligible	7 Michigan	None	None	https://irma.nps.gov/EPictured Rocks National Lakeshore
Mosquito F Eligible	6 Michigan	None	None	https://irma.nps.gov/E Pictured Rocks National Lakeshore
Platte River Eligible	4 Michigan	None	None	https://irma.nps.gov/E Sleeping Bear Dunes National Lakeshore
Crystal Rivi Eligible	3 Michigan	None	None	https://irma.nps.gov/E Sleeping Bear Dunes National Lakeshore
Pigeon Rive Eligible	1 Minnesota		None	https://irma.nps.gov/E Grand Portage National Monument
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Quinault Ri Eligible	414	Washingto	None	None	https://irma.nps.gov/E Olympic National Park
Ozette Rive Eligible	5	Washingto	None	None	https://irma.nps.gov/E Olympic National Park
Skokomish Eligible	126	Washingto	None	None	https://irma.nps.gov/E Olympic National Park
Duckabusł Eligible	95	Washingto	None	None	https://irma.nps.gov/E Olympic National Park
Dosewallip Eligible	148	Washingto	None	None	https://irma.nps.gov/E Olympic National Park
Sol Duc Riv Eligible	277	Washingto	None	None	https://irma.nps.gov/E Olympic National Park
Bogachiel I Eligible	321	Washingto	None	None	https://irma.nps.gov/E Olympic National Park
Hoh River Eligible	457	Washingto	None	None	https://irma.nps.gov/E Olympic National Park
Queets Riv Eligible	481	Washingto	None	None	https://irma.nps.gov/E Olympic National Park
Calawah R Eligible	167	Washingto	None	None	https://irma.nps.gov/E Olympic National Park
Skokomish Eligible	1	Washingto	None	None	https://irma.nps.gov/E Olympic National Park
Gauley Rive Mixed - see	105	West Virgin	None	None	https://irm https://irm Gauley River National Recreation Area
Shoshone Eligible	4	Wyoming	None	None	https://irma.nps.gov/E Bighorn Canyon National Recreation Area
Yellowston Eligible	85	Wyoming	Montana	None	https://irma.nps.gov/EYellowstoneNationalPark
Bechler Riv Eligible	17	Wyoming	None	None	https://irma.nps.gov/EYellowstoneNationalPark
Falls River Eligible	29	Wyoming	None	None	https://irma.nps.gov/EYellowstone National Park
Firehole RivEligible	32	Wyoming	None	None	https://irma.nps.gov/EYellowstone National Park
Lamar Rive Eligible	48	Wyoming	None	None	https://irma.nps.gov/EYellowstone National Park
Madison Ri Eligible	21	Wyoming	Montana	None	https://irma.nps.gov/EYellowstone National Park
Gibbon Riv Eligible	35	Wyoming	None	None	https://irma.nps.gov/EYellowstone National Park
Gardner Ri [,] Eligible	30	Wyoming	None	None	https://irma.nps.gov/EYellowstoneNationalPark
Gallatin Ri\ Eligible	27	Wyoming	Montana	None	https://irma.nps.gov/EYellowstoneNationalPark



There are two study provisions in the Act — Section 5(a), through which Congress directs the study of select rivers, and Section 5(d)(1), which directs federal agencies to identify potential additions to the National Wild and Scenic Rivers System (National System) through federal agency plans. A brief explanation is provided in the following respective sections below.

Current Active Studies

Currently, there are two rivers or river systems under "authorized" study under Section 5(a) of the Wild & Scenic Rivers Act. This does not include those that might be under assessment as part of normal agency land-planning processes.

- Kissimmee River, Florida (Public Law 117-328, December 29, 2022) Study not yet initiated by the National Park Service.
- Little Manatee River, Florida (Public Law 117-328, December 29, 2022) Study not yet initiated by the National Park Service.

Section 2(a)(ii) Studies

Under Section 2(a)(ii) of the Act, a governor (or governors for a river in multiple states) of a state can request that a river be designated, provided certain conditions are met (refer to the **Council White Paper on Section 2(a)(ii)** (/sites/rivers/files/2023-01/2aii.pdf) for specifics). The National Park Service then conducts a study to determine of certain conditions are met. Here are some of the studies conducted under Section 2(a)(ii). Again, if you don't see a study listed, we do not have a copy.

Section 2(a)(ii) Studies

• Allagash River Study Report (/sites/rivers/files/2022-12/allagash-study.pdf), Maine

- American River Eligibility Report (/sites/rivers/files/2022-12/american-eel-klamath-smith-trinity-study.pdf), California
- American River Environmental Impact Statement (/sites/rivers/files/2022-12/american-eel-klamath-smith-trinity-eis.pdf), California
- Big & Little Darby Creeks Study Report & Environmental Assessment (/sites/rivers/files/2022-12/big-little-darby-creeks-study-ea.pdf), Ohio
- Eel River Eligibility Report (/sites/rivers/files/2022-12/american-eel-klamath-smith-trinity-study.pdf), California
- Eel River Environmental Impact Statement (/sites/rivers/files/2022-12/americaneel-klamath-smith-trinity-eis.pdf), California
- Klamath River Eligibility Report (/sites/rivers/files/2022-12/american-eel-klamath-smith-trinity-study.pdf), California
- Klamath River Environmental Impact Statement (/sites/rivers/files/2022-12/american-eel-klamath-smith-trinity-eis.pdf), California
- Klamath River Study Report (/sites/rivers/files/2023-01/klamath-study.pdf), Oregon
- Lumber River Study Report (/sites/rivers/files/2023-01/lumber-study.pdf), North Carolina
- New River (South Fork) Study Report & Environmental Impact Statement (/sites/rivers/files/2023-01/new-sf-study-eis.pdf), North Carolina
- Smith River Eligibility Report (/sites/rivers/files/2022-12/american-eel-klamath-smith-trinity-study.pdf), California
- Smith River Environmental Impact Statement (/sites/rivers/files/2022-12/american-eel-klamath-smith-trinity-eis.pdf), California
- Trinity River Eligibility Report (/sites/rivers/files/2022-12/american-eel-klamath-smith-trinity-study.pdf), California
- Trinity River Environmental Impact Statement (/sites/rivers/files/2022-12/american-eel-klamath-smith-trinity-eis.pdf), California
- Wallowa River Study Report (/sites/rivers/files/2023-01/wallowa-study.pdf), Oregon
- Westfield River Study Report & Environmental Assessment (Initial Study 1993) (/sites/rivers/files/2023-01/westfield-river-evaluation-ea.pdf), Massachusetts
- Westfield River Draft Study Report (Expansion 2002) (/sites/rivers/files/2023-01/westfield-draft-2aii-addition-study.pdf), Massachusetts

Musconetcong River Special Study

In 1997, 18 of 19 municipalities along the Musconetcong River in New Jersey voted to request that the National Park Service study the river to determine its eligibility and suitability for inclusion into the National System. This was done under the authorities of

Public Law 102-460, the lower Delaware River study legislation. (The Musconetcong River is a tributary to the Delaware River.) Here is the Musconetcong River Study Report (/sites/rivers/files/2023-01/musconetcong-study.pdf). Following that, the Musconetcong River was designated under Public Law 109-452 (/sites/rivers/files/2022-10/Public%20Law%20109-452.pdf). That same law authorized an additional segment for study, and that segment was added in June of 2022. Here is the Federal Register notice (/sites/rivers/files/2023-02/musconetcong_frn-vol.87-no.107.pdf) adding that additional segment.

Wolf River Special Study

Even before the Wild & Scenic Rivers Act, the Bureau of Outdoor Recreation (since absorbed into the National Park Service) looked at the Wolf River in Wisconsin for protection as a "wild river." Here is the Wolf River Lake Central Regional Task Group Draft Study Report (/sites/rivers/files/2023-01/wolf_river_wisconsin_draft-study_sept_1964.pdf) and Wolf River Study Report (/sites/rivers/files/2022-12/wolf-bor-study.pdf).

Section 5(d)(1), Agency-Identified Studies

In recent years, hundreds of rivers have been identified for study through Section 5(d)(1) of the Act. This provision directs federal agencies to identify potential addition to the National System through their respective resource and management plans. Its application has resulted in numerous individual river designations, statewide legislation (e.g., Omnibus Oregon Wild and Scenic Rivers Act, P.L. 100-557; Michigan Scenic Rivers Act, P.L. 102-249) and multi-state legislation (e.g., Omnibus Public Land Management Act of 2009, P.L. 111-11). Here are examples of agency-identified studies and transmittal documents (if available).

Section 5(d)(1) Studies

- Arctic National Wildlife Refuge Wild & Scenic River Review (/sites/rivers/files/2023-01/arctic-nwr.pdf)
- Arizona Bureau of Land Management Statewide Study LEIS (/sites/rivers/files/2023-01/arizona-blm-study-leis.pdf)
- Arizona Bureau of Land Management Statewide Study River Assessments (/sites/rivers/files/2023-01/arizona-blm-study-leis-rivers.pdf)

- Blue River & KP Creek (Arizona) (/sites/rivers/files/2023-01/blue-kp-creek-study.pdf)
- Flathead River Draft Proposed Addition & Environmental Impact Statement (Montana) (/sites/rivers/files/2023-01/flathead-deis.pdf)

Utah Statewide Suitability Study:

- Record of Decision (/sites/rivers/files/2023-02/utah-study-rod.pdf)
- Environmental Impact Statement (/sites/rivers/files/2023-02/utah-study-eis.pdf)
- Appendices (/sites/rivers/files/2023-02/utah-study-addendices.pdf)

Section 5(d)(2) Study – Klamath River

One river was authorized for study by Congress through Section 5(d)(2) of the Act, the Klamath River in Oregon. Here is the **Klamath River Draft Study Report** (/sites/rivers/files/2023-01/klamath-upper-draft-study_0.pdf).

Section 5(a), Congressionally Authorized Studies

Through Section 5(a), Congress authorizes the study of select rivers and directs one of the four federal river-administering agencies to conduct the study, as outlined in Sections 4(a) and 5(c) of the Wild & Scenic Rivers Act. The enabling legislation of 1968, P.L. 90-542, authorized 27 rivers for study as potential components of the National System. Amendments to the law have increased the number of studies authorized by Congress to 144.

These studies have lead to 50 designations by either Congress or the Secretary of the Interior. One study led to the establishment of a National Recreation Area.

The number of rivers included in the National System differs from the number of rivers authorized for study by Congress for the following reasons:

- Not all rivers studied are found eligible or suitable for designation—many study rivers will not be included in the National System.
- Some rivers are designated by Congress or the Secretary of the Interior without a pre-authorization or 5(a) study (e.g., Niobrara River).
- Some rivers are designated as a result of recommendations in federal agency plans (e.g., 49 rivers designated in Oregon in 1988).

The 146 rivers below have been authorized for study. The agency leading the study is indicated as National Park Service (NPS), Bureau of Outdoor Recreation (BOR), Heritage Conservation and Recreation Service (HCRS), Bureau of Land Management (BLM), or U.S.

Forest Service (USFS). Within the Department of the Interior, the study function was transferred from the HCRS (formerly the BOR) to the NPS by Secretarial Order Number 3017, January 25, 1978. All studies indicated as BOR or HCRS were completed by these agencies before the program was transferred to the NPS. The BLM was delegated responsibility for conducting studies on Public Lands on October 11, 1988. The USFS (Department of Agriculture) has always conducted studies on National Forest System Lands and as directed by Congress.

We have collected a few of the study reports and associated documents prepared at the direction of Congress; those documents are noted below. If you do not see a report here, we do not have it, and you will have to contact the study agency at the local level for a copy.

For each study river, the number in parentheses is the approximate number of miles to be studied. If river segments were designated, the total designated mileage appears in the text.

I. Public Law 90-542 (October 2, 1968) — 27 Rivers, Studies Due October 2, 1978

- (1) **Allegheny, Pennsylvania.** (BOR) Letter report to Congress on January 23, 1974. River not qualified. **Study Report & EIS (/sites/rivers/files/2023-01/allegheny-study-deis.pdf)** (69.5 miles)
- (2) **Bruneau, Idaho.** (BOR) Report recommending congressional designation transmitted to Congress on May 23, 1977. **Study Report (/sites/rivers/files/2023-01/bruneau-study.pdf)** (121 miles)
- (3) **Buffalo, Tennessee.** (NPS) Report transmitted to Congress on October 2, 1979. Preservation of river by state recommended. **Study Report (/sites/rivers/files/2023-01/buffalo-study.pdf)** (117 miles)
- (4) Chattooga, North Carolina, South Carolina, and Georgia. (USFS) Fifty-six point nine miles added to the National System, Public Law 93-279, May 10, 1974. Study Report (/sites/rivers/files/2023-01/chattooga-study.pdf) (56.9 miles)
- (5) **Clarion, Pennsylvania.** (BOR) Letter report to Congress on February 22, 1974. River not qualified. **Study Report (/sites/rivers/files/2023-01/clarion-study.pdf)** (90 miles)
- (6) **Delaware, Pennsylvania and New York.** (BOR) Seventy-five point four miles added to the National System, Public Law 95-625, November 10, 1978. **Study Report** (/sites/rivers/files/2023-01/upper-delaware-study.pdf) (75.4 miles)

- (7) Flathead, Montana. (USFS) Two hundred nineteen miles added to the National System, Public Law 94-486, October 12, 1976. Flathead River Study Report and Draft Environmental Impact Statement (/sites/rivers/files/2023-01/flathead-study.pdf) (219 miles)
- (8) **Gasconade, Missouri.** (BOR) Report transmitted to Congress on May 23, 1977. Preservation of river by state recommended. (265 miles)
- (9) Illinois, Oregon. (USFS) Fifty point four miles added to the National System, Public Law 98-494, October 19, 1984. Study Report (/sites/rivers/files/2023-01/illinois-study.pdf) (88 miles)
- (10) **Little Beaver, Ohio.** (BOR) Thirty-three miles added to the National System by the Secretary of the Interior on October 23, 1975. Report transmitted to Congress on February 10, 1976. **Study Report (/sites/rivers/files/2023-01/little-beaver-creek-study.pdf)** (33 miles)
- (11) **Little Miami, Ohio.** (BOR) Sixty-six miles added to the National System by the Secretary of the Interior on August 20, 1973. Report transmitted to Congress on November 5, 1973. An additional 28-mile segment was added by the Secretary of the Interior on January 28, 1980. **Study Report (/sites/rivers/files/2023-02/little-miami-study.pdf)** (94 miles)
- (12) **Maumee, Ohio and Indiana.** (BOR) Report transmitted to Congress on September 13, 1974. River not qualified. (236 miles)
- (13) **Missouri, Montana.** (BOR) One hundred forty-nine miles added to the National System, Public Law 94-486, October 12, 1976. **Study Report (/sites/rivers/files/2023-01/missouri-study-mt.pdf)**, **Environmental Statement (/sites/rivers/files/2023-01/missouri-study-environmental-statement.pdf)** (180 miles)
- (14) **Moyie, Idaho.** (USFS) Report transmitted to Congress on September 13, 1982. Designation not recommended. (26.1 miles)
- (15) **Obed, Tennessee.** (BOR/NPS) Forty-five miles added to the National System, Public Law 94-486, October 12, 1976. Report transmitted to Congress on April 26, 1985. Submission of final report was in abeyance pending completion of a mineral evaluation. Further designation was not recommended. **Study Report (/sites/rivers/files/2023-02/obed-study.pdf)** (100 miles)
- (16) **Penobscot, Maine.** (BOR) Report transmitted to Congress on May 23, 1977. Preservation of river by state recommended. (327 miles)
- (17) **Pere Marquette, Michigan.** (USFS) Sixty-six point four miles added to the National System, Public Law 95-625, November 10, 1978. **Study Report (/sites/rivers/files/2023-02/pere-marquette-study.pdf)** (153 miles)

- (18) **Pine Creek, Pennsylvania.** (NPS) Report transmitted to Congress on October 2, 1979. Preservation of river by state recommended. (51.7 miles)
- (19) **Priest, Idaho.** (USFS) Report recommending congressional designation transmitted to Congress on October 2, 1979. (67 miles)
- (20) **Rio Grande, Texas.** (BOR) One hundred ninety-one point two miles added to the National System, Public Law 95-625, November 10, 1978. **Study Report** (/sites/rivers/files/2023-02/rio-grande-tx-study.pdf), Environmental Impact Statement (/sites/rivers/files/2023-02/rio-grande-tx-eis.pdf) (556 miles)
- (21) **Saint Croix, Minnesota and Wisconsin.** (BOR) Twenty-seven mile federally administered segment added to the National System by Public Law 92-560, October 25, 1972. Twenty-five mile state-administered segment added by the Secretary of the Interior on June 17, 1976. **Study Report (/sites/rivers/files/2023-02/lower-st-croix-study.pdf)** (52 miles)
- (22) **St. Joe, Idaho.** (USFS) Sixty-six point three miles added to the National System, Public Law 95-625, November 10, 1978. (132.1 miles)
- (23) **Salmon, Idaho.** (USFS) One hundred twenty-five miles added to the National System, Public Law 96-312, July 23, 1980. Additional 53 miles subject to provisions of Section 7(a) of Public Law 90-542. (237 miles)
- (24) **Skagit, Washington.** (USFS) One hundred fifty-seven point five miles added to the National System, Public Law 95-625, November 10, 1978. **Study Report** (/sites/rivers/files/2023-02/skagit-study.pdf) (166.3 miles)
- (25) **Suwannee, Florida and Georgia.** (BOR) Report transmitted to Congress on March 15, 1974. Preservation of river by state recommended. **Study Report (/sites/rivers/files/2023-02/suwannee-study.pdf)** (272 miles)
- (26) **Upper Iowa, Iowa.** (BOR) Report transmitted to Congress on May 11, 1972. Preservation of river by state recommended. (80 miles)
- (27) **Youghigheny, Maryland and Pennsylvania.** (NPS) Report transmitted to Congress on October 2, 1979. Preservation of river by state recommended. (49 miles)

II. Public Law 93-621 (January 3, 1975) — 29 Rivers, Studies Due October 2, 1979, (Dolores River Due October 2, 1976, Green and Yampa Rivers Due January 1, 1987)

(28) **American, California.** (USFS) Thirty-eight point three miles added to the National System, Public Law 95-625, November 10, 1978. (41.1 miles)

- (29) **Au Sable, Michigan.** (USFS) Twenty-three miles added to the National System, Public Law 98-444, October 4, 1984. **Study Report & Environmental Impact Statement** (/sites/rivers/files/2023-01/ausable-study-eis.pdf) (165 miles)
- (30) **Big Thompson, Colorado.** (NPS) Report transmitted to Congress on October 2, 1979. Designation not recommended. (13.6 miles)
- (31) Cache la Poudre, Colorado. (USFS) Seventy-six miles added to the National System, Public Law 99-590, October 30, 1986. Study Report & Environmental Impact Statement (/river/cache-la-poudre) (76 miles)
- (32) **Cahaba, Alabama.** (USFS) Report transmitted to Congress on December 14, 1979. River not qualified. (116 miles)
- (33) Clarks Fork, Wyoming. (USFS) Twenty point five miles added to the National System, Public Law 101-628, November 28, 1990. Study Report & Environmental Statement (/sites/rivers/files/2023-02/yellowstone-study-environmental-statement.pdf) (23 miles)
- (34) **Colorado, Colorado and Utah.** (NPS) Report transmitted to Congress on April 26, 1985. Designation not recommended. (75.7 miles)
- (35) **Conejos, Colorado.** (USFS) Report recommending congressional designation transmitted to Congress on September 13, 1982. (48.8 miles)
- (36) **Elk, Colorado.** (USFS) Report recommending congressional designation transmitted to Congress on September 13, 1982. (35 miles)
- (37) **Encampment, Colorado.** (USFS) Report recommending congressional designation transmitted to Congress on October 2, 1979. (19.5 miles)
- (38) **Green, Colorado and Utah.** (NPS) Report transmitted to Congress in combination with the Yampa River on November 14, 1983. The river was determined eligible, but the Secretary did not include a recommendation for designation. (91 miles)
- (39) **Gunnison, Colorado.** (NPS) Report recommending congressional designation transmitted to Congress on October 2, 1979. (29 miles)
- (40) **Illinois, Oklahoma.** (HCRS) Report transmitted to Congress on October 2, 1979. Preservation of river by state recommended. (115 miles)
- (41) **John Day, Oregon.** (NPS) One hundred forty-seven point five miles added to the National System, Public Law 100-557, October 28, 1988. **Study Report** (/sites/rivers/files/2023-01/john-day-study.pdf) (149 miles)
- (42) **Kettle, Minnesota.** (NPS) Report transmitted to Congress on October 2, 1979. Preservation of river by state recommended. (79 miles)

- (43) **Los Pinos, Colorado.** (USFS) Report recommending congressional designation transmitted to Congress on September 13, 1982. (54 miles)
- (44) Manistee, Michigan. (USFS) Twenty-six miles added to the National System, Public Law 102-249, March 3, 1992. Study Report & Environmental Impact Statement (/sites/rivers/files/2023-01/manistee-study-eis.pdf) (232 miles)
- (45) **Nolichucky, Tennessee and North Carolina.** (NPS) Report transmitted to Congress on April 26, 1985. River not qualified. (110 miles)
- (46) **Owyhee, Idaho & Oregon.** (NPS) One hundred twenty miles added to the National System, Public Law 98-494, October 19, 1984. **Study Report (/sites/rivers/files/2023-02/owyhee-id-study-eis.pdf)** (192 miles)
- (47) **Piedra, Colorado.** (USFS) Report recommending congressional designation transmitted to Congress on September 13, 1982. (53 miles)
- (48) **Shepaug, Connecticut.** (NPS) Report transmitted to Congress on October 2, 1979. Preservation of river by state and local action recommended. (28 miles)
- (49) **Sipsey Fork, Alabama.** (USFS) Sixty-one miles added to the National System, Public Law 100-547, October 28, 1988. (71 miles)
- (50) **Snake, Wyoming.** (USFS) Report recommending congressional designation transmitted to Congress on September 13, 1982. (50 miles)
- (51) **Sweetwater, Wyoming.** (NPS) Report transmitted to Congress on November 14, 1979. Designation not recommended. **Study Report (/sites/rivers/files/2023-02/sweetwater-study.pdf)** (9.5 miles)
- (52) **Tuolumne, California.** (NPS/USFS) Eighty-three miles added to the National System, Public Law 98-425, September 28, 1984. **Study Report (/sites/rivers/files/2023-02/tuolumne-study.pdf)** (92 miles)
- (53) **Upper Mississippi, Minnesota.** (BOR) Report recommending congressional designation transmitted to Congress on August 25, 1977. (466 miles)
- (54) **Wisconsin, Wisconsin.** (NPS/USFS) Report transmitted to Congress on October 2, 1979. Preservation of river by state recommended. (82.4 miles)
- (55) **Yampa, Colorado.** (NPS) Report transmitted to Congress in combination with Green River on November 14, 1983. The river was determined eligible, but the Secretary did not include a recommendation for designation. (47 miles)
- (56) **Dolores, Colorado.** (BOR/USFS) Report recommending Congressional designation transmitted to Congress on May 23, 1977. (105 miles)

III. Public Law 94-199 (December 31, 1975) — 1 River, Study Due October 1, 1979

(57) **Snake, Washington, Oregon and Idaho.** (NPS) Report transmitted to Congress on April 26, 1985. Designation not recommended. **Study Report & Environmental Impact Statement (/sites/rivers/files/2023-02/snake-study-eis.pdf)** (33 miles)

IV. Public Law 94-486 (October 12, 1976) — 1 River, Study Due October 1, 1980

(58) Housatonic, Connecticut. (NPS) Thirty point eight miles added the National System, Public Law 117-328, December 29, 2022. Report transmitted to Congress on October 2, 1979. Preservation of river by state and local action initially recommended. Study Report (/sites/rivers/files/2023-01/housatonic-study.pdf), Section 2(a)(ii) Application (/sites/rivers/files/2023-01/housatonic-2aii-application.pdf), Federal Register 2(a)(ii) Notice (/sites/rivers/files/2023-01/housatonic-federal-register-notice-2aii-application.pdf), (51 miles)

V. Public Law 95-625 (November 10, 1978) — 17 rivers, studies due October 1, 1984

V. Public Law 95-625 (November 10, 1978) — 17 Rivers, Studies Due April 1, 1981

- (59) Kern (North Fork), California. (USFS) One hundred fifty-one miles of the North and South Forks added to the National System, Public Law 100-174, November 24, 1987. North Fork Study Report (/sites/rivers/files/2023-01/kern-nf-study.pdf), North Fork Environmental Impact Statement (/sites/rivers/files/2023-02/kern-nf-study-eis.pdf), South Fork Study Report & Draft Environmental Impact Statement (/sites/rivers/files/2023-01/kern-sf-study-deis.pdf), North & South Forks Record of Decision (/sites/rivers/files/2023-01/kern-nf-sf-rod.pdf) (74 miles)
- (60) Loxahatchee, Florida. (NPS) Seven point five miles added to the National System by the Secretary of the Interior on May 17, 1985. Study Report & Environmental Impact Statement (/sites/rivers/files/2023-01/loxahatchee-study-eis.pdf) (25 miles)
- (61) **Ogeechee, Georgia.** (NPS) Report transmitted to Congress on April 26, 1985. Preservation of river by state recommended. (246 miles)
- (62) **Salt, Arizona.** (USFS) Report transmitted to Congress on September 13, 1982. Designation not recommended. (22 miles)

- (63) **Verde, Arizona.** (USFS) Forty point five miles added to the National System, Public Law 98-406, August 28, 1984. **Study Report & Environmental Assessment** (/sites/rivers/files/2023-02/verde-study-eis.pdf) (78 miles)
- (64) **San Francisco, Arizona.** (USFS) Report transmitted to Congress on September 13, 1982. Designation not recommended. (29 miles)
- (65) **Fish Creek, East Branch, New York.** (NPS) Report transmitted to Congress on April 26, 1985. Preservation of river by state and local action recommended. (49 miles)
- (66) Black Creek, Mississippi. (USFS) Twenty-one miles added to the National System, Public Law 99-590, October 30, 1986. Draft Study Report & Draft Environmental Impact Statement (/sites/rivers/files/2023-01/black-creek-study-deis.pdf) (122.8 miles)
- (67) **Allegheny, Pennsylvania.** (USFS) Eighty-five miles added to the National System, Public Law 102-271, April 20, 1992. Allegheny River Study Report & Draft Environmental Impact Statement (128 miles)
- (68) **Cacapon, West Virginia.** (NPS) Report transmitted to Congress on April 26, 1985. Preservation of river by state and local action recommended. (114 miles)
- (69) **Escatawpa, Alabama and Mississippi.** (NPS) Report transmitted to Congress on April 26, 1985. Preservation of river by state and local action recommended. (72 miles)
- (70) **Myakka, Florida.** (NPS) Report transmitted to Congress on April 26, 1985. Preservation of river by state recommended. (37 miles)
- (71) **Soldier Creek, Alabama.** (NPS) Report transmitted to Congress on April 26, 1985. River not qualified. (.2 miles)
- (72) **Red, Kentucky.** (USFS) Nineteen point four miles added to the National System, Public Law 103-170, December 2, 1993. **Draft Study Report & Environmental Impact Statement (/sites/rivers/files/2023-02/red-draft-study-eis.pdf) (19.4 miles)**
- (73) **Bluestone, West Virginia.** (NPS) Ten miles added to the National System, Public Law 100-534, October 26, 1988. **Study Report (/sites/rivers/files/2023-01/bluestone-study.pdf)** (40 miles)
- (74) **Gauley, West Virginia.** (NPS) A 25-mile segment established as a National Recreation Area on October 26, 1988. (164 miles)
- (75) **Greenbrier, West Virginia.** (USFS) Report transmitted to Congress on January 7, 1993. Preservation of river by state and local action recommended. (175 miles)

VI. Public Law 96-199 (March 5, 1980) — 1 River, Study Due October 1, 1984

(76) **Birch, West Virginia.** (NPS) Report transmitted to Congress on April 26, 1985. Preservation of river by state and local action recommended. (20 miles)

VII. Public Law 96-487 (December 2, 1980) — 12 Rivers, Studies Due October 1, 1984 (Sheenjek and Squirrel Rivers Due January 1, 1987)

- (77) **Colville, Alaska.** (NPS) Study submitted to Congress on April 12, 1979, as part of 105(c) study mandated by Public Law 94-258. This was prior to passage of ANILCA. (428 miles)
- (78) **Etivluk-Nigu, Alaska.** (NPS) Study submitted to Congress on April 12, 1979, as part of 105(c) study mandated by Public Law 94-258. This was prior to passage of ANILCA. (160 miles)
- (79) **Utukok, Alaska.** (NPS) Study submitted to Congress on April 12, 1979, as part of 105(c) study mandated by Public Law 94-258. This was prior to passage of ANILCA. (250 miles)
- (80) **Kanektok, Alaska.** (NPS) Report transmitted to Congress on April 26, 1985. Designation not recommended. (75 miles)
- (81) **Kisaralik, Alaska.** (NPS) Report transmitted to Congress on April 26, 1985. Designation not recommended. (75 miles)
- (82) **Melozitna, Alaska.** (NPS) Report transmitted to Congress on April 26, 1985. River not qualified. (270 miles)
- (83) **Sheenjek (lower segment), Alaska.** (NPS) Report recommending congressional designation transmitted to Congress on January 19, 2001. **Study Report & Legislative Environmental Impact Statement (/sites/rivers/files/2023-02/sheenjek-study-leis.pdf) (109 miles)**
- (84) **Situk, Alaska.** (USFS) Report transmitted to Congress on April 26, 1985. Designation not recommended. (21 miles)
- (85) **Porcupine, Alaska.** (NPS) Report transmitted to Congress on April 26, 1985. Designation not recommended. (75 miles)
- (86) **Yukon (Ramparts section), Alaska.** (NPS) Report transmitted to Congress on April 26, 1985. Designation not recommended. (128 miles)

- (87) **Squirrel, Alaska.** (Initiated by NPS/Completed by BLM) Final report/EIS issued January 26, 1999. Designation not recommended. (72 miles)
- (88) **Koyuk, Alaska.** (NPS) Report transmitted to Congress on April 26, 1985. River not qualified. (159 miles)

VIII. Public Law 98-323 (June 6, 1984) — 1 River, Study Due October 1, 1990

(89) Wildcat Creek, New Hampshire. (NPS) Fourteen point five miles added to the National System, Public Law 100-554, October 28, 1988. Draft Study Report (/sites/rivers/files/2022-12/wildcat-brook-draft-study.pdf) (21 miles)

IX. Public Law 98-484 (October 17, 1984) — 1 River, Study Due October 17, 1987

(90) **Horsepasture, North Carolina.** (USFS) Four point two miles added to the National System, Public Law 99-530, October 27, 1986. (4.2 miles)

X. Public Law 98-494 (October 19, 1984) — 1 River, Study Due October 1, 1988

(91) **North Umpqua, Oregon.** (USFS) Thirty-three point eight miles added to the National System, Public Law 100-557, October 28, 1988. (33.8 miles)

XI. Public Law 99-590 (October 30, 1986) — 2 Rivers, Studies Due October 30, 1989, For The Great Egg Harbor River, October 1, 1990, For The Farmington River

- (92) Farmington, West Branch, Connecticut and Massachusetts. (NPS) Fourteen miles added to the National System, Public Law 103-313, August 26, 1994. Report transmitted to Congress on December 13, 1995. Study Report (/sites/rivers/files/2023-01/farmington-study.pdf) (25 miles)
- (93) **Great Egg Harbor, New Jersey.** (NPS) One hundred twenty-nine miles added to the National System, Public Law 102-536, October 26, 1992. **Study Report** (/sites/rivers/files/2023-01/great-egg-harbor-study.pdf) (127 miles)

XII. Public Law 99-663 (November 17, 1986) — 2 Rivers, Studies Due October 1, 1990

- (94) **Klickitat, Washington.** (USFS) Draft report issued June 1990. Final report completed, but not transmitted to Congress. (30 miles)
- (95) **White Salmon, Washington.** (USFS) Twenty miles added to the National System, Public Law 109-44, August 2, 2005. The portion designated was added to the study by the USFS and is the headwaters above the segment authorized for study. (13.5 miles)

XIII. Public Law 100-33 (May 7, 1987) — 3 Rivers, Studies Due October 1, 1990

- (96) Maurice, New Jersey. (NPS) Ten point five miles added to the National System, Public Law 103-162, December 1, 1993. Eligibility & Classification Report (/sites/rivers/files/2023-01/maurice-eligibility-classification-report_0.pdf), Study Report (/sites/rivers/files/2023-01/maurice-study.pdf) (14 miles)
- (97) **Manumuskin, New Jersey.** (NPS) Fourteen point three miles added to the National System, Public Law 103-162, December 1, 1993. (3.5 miles)
- (98) **Menantico Creek, New Jersey.** (NPS) Seven point nine miles added to the National System, Public Law 103-162, December 1, 1993. (7 miles)

XIV. Public Law 100-149 (November 2, 1987) — 1 River, Study Due October 1, 1991

(99) **Merced, California.** (BLM) Eight miles added to the National System, Public Law 102-432, October 23, 1992. (8 miles)

XV. Public Law 100-557 (October 28, 1988) — 6 Rivers, Studies Due October 1, 1992

- (100) **Blue, Oregon.** (USFS) Study initiated in 1989. River determined ineligible, but report not transmitted to Congress. (9 miles)
- (101) **Chewaucan, Oregon.** (USFS) Study initiated in 1989. River determined ineligible, but report not transmitted to Congress. (23 miles)

- (102) **North Fork Malheur, Oregon.** (BLM) River determined eligible, but report not transmitted to Congress. **Study Report (/sites/rivers/files/2023-01/malheur-nf-study.pdf)** (15 miles)
- (103) **South Fork McKenzie, Oregon.** (USFS) Study initiated in 1989. River determined eligible, with plans to complete the study at revision of the Willamette National Forest Land and Resource Management Plan. (26 miles)
- (104) **Steamboat Creek, Oregon.** (USFS) Final report completed in 1993. River determined eligible, but report not transmitted to Congress. (24 miles)
- (105) **Wallowa, Oregon.** (USFS) Ten miles added to the National System by the Secretary of the Interior on July 25, 1996. (10 miles)

XVI. Public Law 101-356 (August 10, 1990) — 1 River, Study Due August 10, 1993

(106) **Merrimack, New Hampshire.** (NPS) Draft report issued October 7, 1999. River was determined eligible, but final report not transmitted to Congress. **Draft Study Report** (/sites/rivers/files/2023-01/merrimack-draft-study.pdf) (22 miles)

XVII. Public Law 101-357 (August 10, 1990) — 1 River, Study Due August 10, 1993

(107) **Pemigewasset, New Hampshire.** (NPS) Report transmitted to Congress on May 5, 1998. Designation not recommended. **Draft Study Report (/sites/rivers/files/2023-02/pemigewasset-draft-study.pdf)**, **Draft Study Report Appendices**(/sites/rivers/files/2023-02/pemigewasset-draft-study-appendices.pdf) (36 miles)

XVIII. Public Law 101-364 (August 15, 1990) — 1 River, Study Due August 15, 1993

(108) **St. Marys, Florida.** (NPS) Draft report issued on March 16, 1994. River was determined eligible, but final report not transmitted to Congress. **Study Report** (/sites/rivers/files/2023-02/st-marys-study.pdf) (120 miles)

XIX. Public Law 101-538 (November 8, 1990) — 1 River, Study Due September 30, 1994

(109) **Mills, North Carolina.** (USFS) Final report completed in 1996 but not transmitted to Congress. (33 miles)

XX. Public Law 101-628 (November 28, 1990) — 1 River, Study Due September 30, 1994

(110) Concord, Assabet and Sudbury, Massachusetts. (NPS) Twenty-nine miles added to the National System, Public Law 106-20, April 9, 1999. **Draft Study Report** (/sites/rivers/files/2023-01/suasco-draft-study.pdf) (29 miles)

XXI. Public Law 102-50 (May 24, 1991) — 1 River, Study Due September 30, 1994

(111) **Niobrara, Nebraska.** (NPS) Six miles added to the National System, Public Law 102-50, May 24, 1996. **Study Report (/sites/rivers/files/2023-02/niobrara-study.pdf)** (6 miles)

XXII. Public Law 102-214 (December 11, 1991) — 1 River, Study due December 11, 1994

(112) Lamprey, New Hampshire. (NPS) Eleven point five miles added to the National System, Public Law 104-333, November 12, 1996. Twelve miles added to the National System, Public Law 106-192, May 5, 2000. Study Report (/sites/rivers/files/2023-01/lamprey-study.pdf), Resource Assessment (/sites/rivers/files/2023-01/lamprey-resource-assessment.pdf) (10 miles)

XXIII. Public Law 102-215 (December 11, 1991) — 1 River, Study Due December 11, 1994

(113) White Clay Creek, Pennsylvania and Delaware. (NPS) One hundred ninety miles added to the National System, Public Law 106-357, October 24, 2000. **Draft Study Report** (/sites/rivers/files/2023-02/white-clay-creek-draft-study.pdf) (23+ miles)

XXIV. Public Law 102-249 (March 3, 1992) — 11 Rivers, Studies due October 1, 1995

- (114) **Brule, Michigan and Wisconsin.** (USFS) River determined eligible; suitability study not completed. (33 miles)
- (115) **Carp, Michigan.** (USFS) River determined eligible; suitability study not completed. (7.6 miles)
- (116) **Little Manistee, Michigan.** (USFS) River determined eligible; suitability study not completed. (42 miles)
- (117) **White, Michigan.** (USFS) River determined eligible; suitability study not completed. (75.4 miles)
- (118) **Ontonagon, Michigan.** (USFS) River determined eligible; suitability study not completed. (32 miles)
- (119) **Paint, Michigan.** (USFS) River determined eligible; suitability study not completed. (70 miles)
- (120) **Presque Isle, Michigan.** (USFS) River determined eligible; suitability study not completed. (13 miles)
- (121) **Sturgeon (Ottawa National Forest), Michigan.** (USFS) River determined eligible; suitability study not completed. (36 miles)
- (122) **Sturgeon (Hiawatha National Forest), Michigan.** (USFS) River determined eligible; suitability study not completed. (18.1 miles)
- (123) **Tahquamenon, Michigan.** (USFS) River determined eligible; suitability study not completed. (103.5 miles)
- (124) **Whitefish, Michigan.** (USFS) River determined eligible; suitability study not completed. (26 miles)

XXV. Public Law 102-271 (April 20, 1992) — 2 Rivers, Studies Due September 30, 1995

- (125) **Clarion, Pennsylvania.** (USFS) Fifty-one point seven miles added to the National System, Public Law 104-333, October 19, 1996. **Study Report (/sites/rivers/files/2023-01/clarion-study.pdf)** (104 miles)
- (126) **Mill Creek, Pennsylvania.** (USFS) River determined eligible, suitability study not completed. (18 miles)

XXVI. Public Law 102-301 (June 19, 1992) — 5 Rivers, Studies Due September 30, 1995

- (127) **Piru Creek, California.** (USFS) Seven point three miles of area below Pyramid Lake added to the National System, Public Law 111-11, March 30, 2009. Two areas of river authorized for study—source to Pyramid Lake and 300 feet below Pyramid Lake to Lake Piru. Study of area above Pyramid Lake completed in revision of Los Padres National Forest Land and Resource Management Plan. (49 miles)
- (128) **Little Sur, California.** (USFS) Study completed in revision of Los Padres National Forest Land and Resource Management Plan. River determined eligible, but report not transmitted to Congress. (23 miles)
- (129) **Matilija Creek, California.** (USFS) Study completed in revision of Los Padres National Forest Land and Resource Management Plan. River determined ineligible, but report not transmitted to Congress. (16 miles)
- (130) **Lopez Creek, California.** (USFS) Study completed in revision of Los Padres National Forest Land and Resource Management Plan. River determined ineligible, but report not transmitted to Congress. (11 miles)
- (131) **Sespe Creek, California.** (USFS) Study completed in revision of Los Padres National Forest Land and Resource Management Plan. River determined eligible, but report not transmitted to Congress. (10.5 miles)

XXVII. Public Law 102-432 (October 23, 1992) — 1 River, Study Due September 30, 1995

(132) **North Fork Merced, California.** (BLM) Study has been completed through the Folsom Resource Management Plan. River determined ineligible, but report not transmitted to Congress. (15 miles)

XXVIII. Public Law 102-460 (October 23, 1992) — 1 River, Study Due October 23, 1993

(133) **Delaware, Pennsylvania and New Jersey.** (NPS) Sixty-seven point three miles added to the National System, Public Law 106-418, November 1, 2000. **Study Report** (/sites/rivers/files/2023-01/lower-delaware-study.pdf) (70 miles)

XXIX. Public Law 102-525 (October 26, 1992) — 1 River, Study Due October 26, 1993

(134) **New, Virginia and West Virginia.** (NPS) Report transmitted to Congress on April 8, 2011. Designation not recommended. (20 miles) **Study Report (/sites/rivers/files/2023-02/new-study.pdf)**, **Transmittal Memos (/sites/rivers/files/2023-02/new-study-memos.pdf)**

XXX. Public Law 103-242 (May 4, 1994) — 1 River, Study Due May 4, 1997

(135) **Rio Grande, New Mexico.** (BLM) Final report issued on January 4, 2000, but not transmitted to Congress. Seven point six miles determined eligible. (8 miles)

XXXI. Public Law 104-311 (October 19, 1996) — 1 River, Study Due October 19, 1998

(136) **Wekiva, Florida.** (NPS) Forty-one point six miles added to the National System, Public Law 106-299, October 13, 2000. **Study Report (/sites/rivers/files/2023-02/wekiva-study.pdf)** (27 miles)

XXXII. Public Law 106-318 (October 19, 2000) — 1 River, Study Due October 19, 2003

(137) **Taunton, Massachusetts.** (NPS) Forty point zero miles added to the National System, Public Law 111-11, March 30, 2009. **Draft Study Report & Environmental Assessment** (/sites/rivers/files/2023-02/taunton-draft-study-ea.pdf) (22 miles)

XXXIII. Public Law 107-65 (November 6, 2001) — 1 River, Study Due November 6, 2004

(138) **Eight Mile, Connecticut.** (NPS) Twenty-five point three miles added to the National System, Public Law 110-229, May 8, 2008. (15 miles)

XXXIV. Public Law 109-370 (November 27, 2006) — 1 River, Study Due November 27, 2009

(139) Lower Farmington and Salmon Brook, Connecticut. (NPS) Sixty-one point seven miles added to the National System, Public Law 116-9, March 12, 2019. Study Report & Environmental Assessment (/sites/rivers/files/2023-01/lower-farmington-study-ea.pdf) (70 miles)

XXXV. Public Law 111-11 (March 3, 2009) — 1 River, Study Due March 30, 2012

(140) **Missisquoi and Trout, Vermont.** (NPS) Forty-six point one miles added to the National System, Public Law 113-291, December 19, 2014. **Study Report & Environmental Assessment (/sites/rivers/files/2023-01/missisquoi-trout-study-ea.pdf) (70 miles)**

XXXVI. Public Law 113-291 (December 19, 2014) — 4 Rivers, Studies Due 3 years After Funding

- (141) Lake Creek, Lower Cave Creek, Lake Creek, No Name Creek, Panther Creek, and Upper Cave Creek, Oregon. (NPS) Lake Creek and Upper Cave Creek found eligible and suitable for designation; No Name Creek, Panther Creek, and Upper Cave Creek found ineligible. Report transmitted to Congress April 7, 2020. (8.3 miles) Oregon Caves (Lower & Upper Cave Creek, Lake Creek, No Name Creek, Panther Creek, & Waterfelt Creek) Study Report (/sites/rivers/files/2022-12/oregon-caves-study.pdf), Transmittal Letters (/sites/rivers/files/2023-02/oregon-caves-study-transmittal.pdf)
- (142) Beaver, Chipuxet, Queen, Wood and Pawcatuck Rivers, Rhode Island and Connecticut. (NPS) One hundred ten miles added to the National System, Public Law 116-9, March 12, 2019. Study Report (/sites/rivers/files/2022-12/wood-pawcatuck-study.pdf) (86 miles)
- (143) **Nashua River, Massachusetts.** (NPS) Fifty-two point eight miles added to the National System, Public Law 116-9, March 12, 2019. **Study Report (/sites/rivers/files/2023-05/nashua_studyreport_full_2019.pdf)** (32.5 miles)
- (144) York River, Maine. (NPS) Thirty point eight miles added to the National System, Public Law 117-328, December 29, 2022. York River Study Report (/sites/rivers/files/2022-12/york-study.pdf), Transmittal Letters (/sites/rivers/files/2023-01/york-congressional-letter.pdf) (11.3 miles)

XXXVII. Public Law 117-328 (December 29, 2022) — 2 Rivers, Studies Due 3 years After Funding

(145) **Kissimmee River, Florida.** (NPS)

Study not yet initiated. (TBD miles)

(146) Little Manatee River, Florida. (NPS) Study not yet initiated. (50.0 miles)

Contact Us (/contact) | National Awards (/national-awards) |

The Numbers (/numbers) | Nationwide Rivers Inventory (/nri) |

Documents (/documents) | Accessibility (/accessibility)

PARTNERS

Bureau of Land Management (https://blm.gov/programs/national-conservation-lands/wild-and-scenic-rivers)

National Park Service (https://www.nps.gov/orgs/1912/index.htm)

NPS Partnership Rivers (https://www.nps.gov/orgs/1912/partnership-wild-and-scenic-rivers.htm)

U.S. Fish & Wildlife Service (https://www.fws.gov/story/wild-and-scenic-rivers)

U.S. Forest Service (https://www.fs.usda.gov/managing-land/wild-scenic-rivers)

River Management Society (http://river-management.org/)

REFERENCES

Bibliography (/bibliography)

Interagency Council (/council)

Stewardship (/stewardship)

News (/news)

Videos (/video)

Vulnerability Disclosure Policy (/vulnerability-disclosure-policy)









ENCLOSURE P ENVIRONMENTAL JUSTICE

OMB No. 2506-0177 (exp.2/28/2025)



U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

WASHINGTON, DC 20410-1000

This Worksheet was designed to be used by those "Partners" (including Public Housing Authorities, consultants, contractors, and nonprofits) who assist Responsible Entities and HUD in preparing environmental reviews, but legally cannot take full responsibilities for these reviews themselves. Responsible Entities and HUD should use the RE/HUD version of the Worksheet.

Environmental Justice (CEST and EA) – PARTNER

https://www.hudexchange.info/environmental-review/environmental-justice

HUD strongly encourages starting the Environmental Justice analysis only after all other laws and authorities, including Environmental Assessment factors if necessary, have been completed.

- 1. Were any adverse environmental impacts identified in any other compliance review portion of this project's total environmental review?
 - \square Yes \rightarrow Continue to Question 2.
 - No → If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below.
- 2. Were these adverse environmental impacts disproportionately high for low-income and/or minority communities?

□Yes

Explain:

Click here to enter text.

→ The RE/HUD must work with the affected low-income or minority community to decide what mitigation actions, if any, will be taken. Provide any supporting documentation.

 \square No

Explain:

Click here to enter text.

→ If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below.

Worksheet Summary

Provide a full description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your program or region

Include all documentation supporting your findings in your submission to HUD.

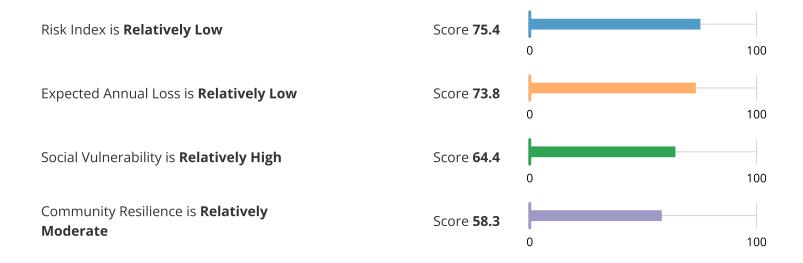
No adverse environmental impacts were identified in the project's total environmental review. Radon mitigation will be designed into the structures and post construction sampling will be conducted. The project is in compliance with Executive Order 12898. The project will be the best use of land for affordable, safe, and resilient housing that would otherwise be vacant. The Phase I Environmental Site Assessment for the site revealed no evidence of environmental conditions (RECs), HRECs, or CRECs identified for the site during their assessment. The EPA EJScreen Community Report is attached. This report provides environmental and socioeconomic information for the user-defined areas and combines the data into environmental justice and supplemental indexes.

ENCLOSURE Q ENVIRONMENTAL ASSESSMENT FACTOR BACKUP



Hopkins County, Kentucky

Summary

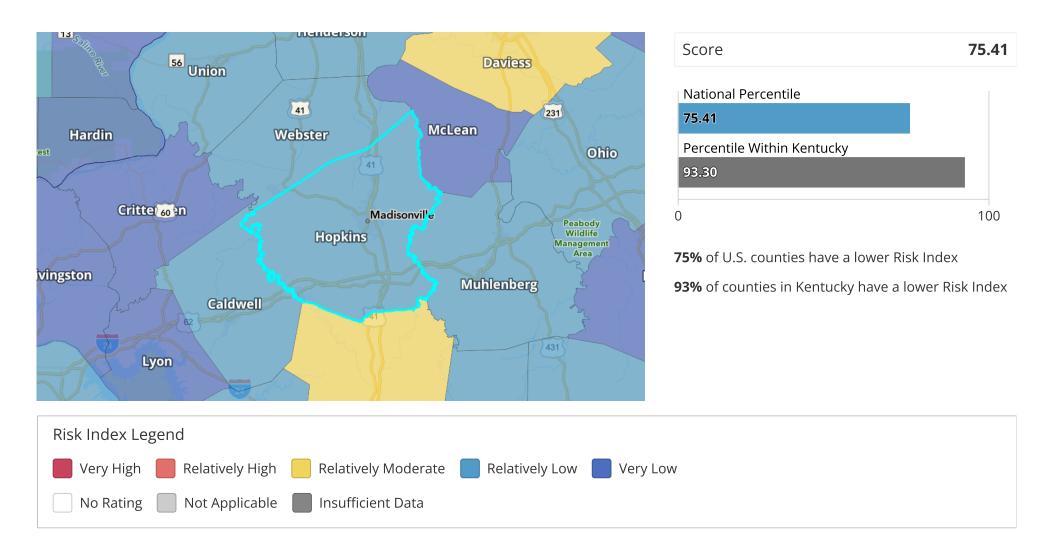


While reviewing this report, keep in mind that low risk is driven by lower loss due to natural hazards, lower social vulnerability, and higher community resilience.

For more information about the National Risk Index, its data, and how to interpret the information it provides, please review the **About the National Risk Index** and **How to Take Action** sections at the end of this report. Or, visit the National Risk Index website at **hazards.fema.gov/nri/learn-more** to access supporting documentation and links.

Risk Index

The Risk Index rating is **Relatively Low** for **Hopkins County, KY** when compared to the rest of the U.S.



Hazard Type Risk Index

Hazard type Risk Index scores are calculated using data for only a single hazard type, and reflect a community's Expected Annual Loss value, community risk factors, and the adjustment factor used to calculate the risk value.

Hazard Type	Risk Index Rating	Risk Index Score	National Percentile
Avalanche	Not Applicable		
Coastal Flooding	Not Applicable		
Cold Wave	No Rating	0	0 100
Drought	Relatively Low	72.8	0 100
Earthquake	Relatively Low	92.7	0 100
Hail	Very Low	25.4	0 100
Heat Wave	Relatively Moderate	83.9	0 100
Hurricane	Very Low	30.8	0 100
Ice Storm	Very High	97.1	0 100
Landslide	Relatively Low	48.2	0 100
Lightning	Relatively Low	31.7	0 100
Riverine Flooding	Relatively Low	70.1	0 100
Strong Wind	Relatively High	94.3	0 100

Hazard Type	Risk Index Rating	Risk Index Score	National Percentile
Tornado	Relatively Moderate	77.3	0 100
Tsunami	Not Applicable		
Volcanic Activity	Not Applicable		
Wildfire	Very Low	21.9	0 100
Winter Weather	Relatively High	86.8	0 100

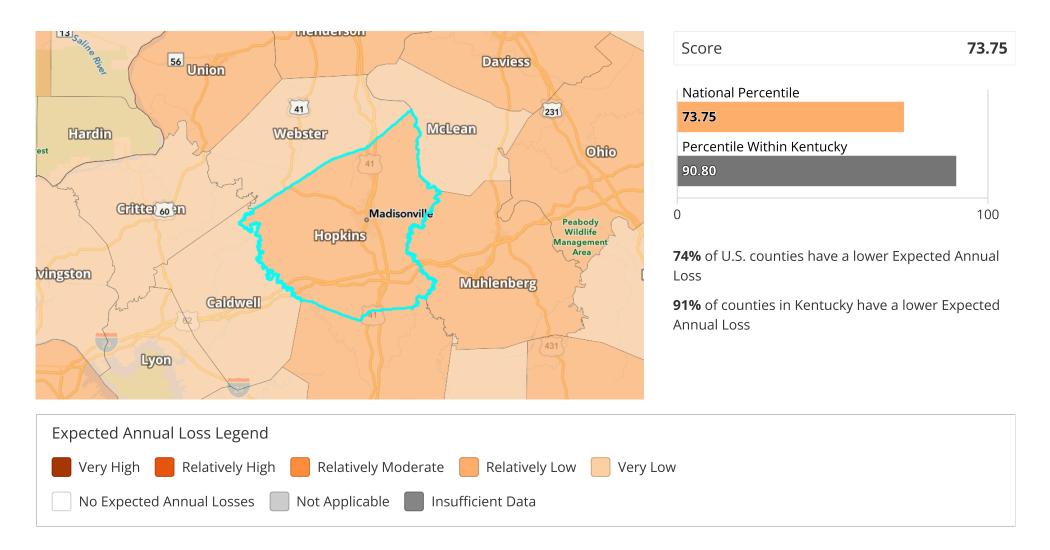
Risk Factor Breakdown

Hazard Type	EAL Value	Social Vulnerability	Community Resilience	CRF	Risk Value	Risk Index Score
Earthquake	\$4,362,783	Relatively High	Relatively Moderate	1.21	\$5,392,602	92.7
Tornado	\$2,781,147	Relatively High	Relatively Moderate	1.21	\$3,347,013	77.3
Strong Wind	\$2,224,105	Relatively High	Relatively Moderate	1.21	\$2,658,306	94.3
Ice Storm	\$1,609,829	Relatively High	Relatively Moderate	1.21	\$1,957,541	97.1
Riverine Flooding	\$987,240	Relatively High	Relatively Moderate	1.21	\$1,162,715	70.1
Heat Wave	\$590,461	Relatively High	Relatively Moderate	1.21	\$706,014	83.9
Winter Weather	\$265,151	Relatively High	Relatively Moderate	1.21	\$319,340	86.8
Drought	\$148,607	Relatively High	Relatively Moderate	1.21	\$164,536	72.8
Lightning	\$50,744	Relatively High	Relatively Moderate	1.21	\$60,543	31.7
Hurricane	\$39,357	Relatively High	Relatively Moderate	1.21	\$46,974	30.8
Hail	\$27,817	Relatively High	Relatively Moderate	1.21	\$33,264	25.4
Landslide	\$21,900	Relatively High	Relatively Moderate	1.21	\$26,181	48.2
Wildfire	\$6,906	Relatively High	Relatively Moderate	1.21	\$8,120	21.9
Cold Wave	\$0	Relatively High	Relatively Moderate	1.21	\$0	0

Hazard Type	EAL Value	Social Vulnerability	Community Resilience	CRF	Risk Value	Risk Index Score
Avalanche		Relatively High	Relatively Moderate	1.21		
Coastal Flooding		Relatively High	Relatively Moderate	1.21		
Tsunami		Relatively High	Relatively Moderate	1.21		
Volcanic Activity		Relatively High	Relatively Moderate	1.21		

Expected Annual Loss

In **Hopkins County, KY**, expected loss each year due to natural hazards is **Relatively Low** when compared to the rest of the U.S.



Composite Expected Annu	al Loss Rate National Percentile		67.6
Building EAL	\$7,517,628.06	Population EAL	0.41 fatalities
Building EAL Rate	\$1 per \$1.21K of building value	Population EAL Rate	1 per 110.31K people
Agriculture EAL	\$824,714.04	Population Equivalence EAL	\$4,773,703.97
Agriculture EAL Rate	\$1 per \$166.33 of agriculture value		

Expected Annual Loss for Hazard Types

Expected Annual Loss scores for hazard types are calculated using data for only a single hazard type, and reflect a community's relative expected annual loss for only that hazard type.

14 of 18 hazard types contribute to the expected annual loss for Hopkins County, KY.

Hazard Type	Expected Annual Loss Rating	EAL Value	Score
Earthquake	Relatively Moderate	\$4,362,783	91.3
Tornado	Relatively Moderate	\$2,781,147	77.6
Strong Wind	Relatively High	\$2,224,105	94.0
Ice Storm	Very High	\$1,609,829	96.8
Riverine Flooding	Relatively Low	\$987,240	70.4
Heat Wave	Relatively Moderate	\$590,461	84.8

Hazard Type	Expected Annual Loss Rating	EAL Value	Score
Winter Weather	Relatively High	\$265,151	86.8
Drought	Relatively Low	\$148,607	74.0
Lightning	Relatively Low	\$50,744	32.0
Hurricane	Very Low	\$39,357	29.6
Hail	Very Low	\$27,817	27.2
Landslide	Relatively Low	\$21,900	52.3
Wildfire	Very Low	\$6,906	21.2
Cold Wave	No Expected Annual Losses	\$0	0.0
Avalanche	Not Applicable		
Coastal Flooding	Not Applicable		
Tsunami	Not Applicable		
Volcanic Activity	Not Applicable		

Expected Annual Loss Values

Hazard Type	Total	Building Value	Population Equivalence	Population	Agriculture Value
Avalanche					
Coastal Flooding					

Hazard Type	Total	Building Value	Population Equivalence	Population	Agriculture Value
Cold Wave	\$0	\$0	\$0	0.00	\$0
Drought	\$148,607	n/a	n/a	n/a	\$148,607
Earthquake	\$4,362,783	\$2,937,512	\$1,425,271	0.12	n/a
Hail	\$27,817	\$21,917	\$2,224	0.00	\$3,676
Heat Wave	\$590,461	\$10,707	\$577,967	0.05	\$1,787
Hurricane	\$39,357	\$31,393	\$217	0.00	\$7,746
Ice Storm	\$1,609,829	\$1,551,354	\$58,475	0.01	n/a
Landslide	\$21,900	\$4,500	\$17,400	0.00	n/a
Lightning	\$50,744	\$1,125	\$49,619	0.00	n/a
Riverine Flooding	\$987,240	\$217,941	\$335,255	0.03	\$434,043
Strong Wind	\$2,224,105	\$1,247,150	\$755,241	0.07	\$221,713
Tornado	\$2,781,147	\$1,350,757	\$1,424,063	0.12	\$6,327
Tsunami					
Volcanic Activity					
Wildfire	\$6,906	\$6,363	\$540	0.00	\$3
Winter Weather	\$265,151	\$136,909	\$127,431	0.01	\$811

Exposure Values

Hazard Type	Total	Building Value	Population Equivalence	Population	Agriculture Value
Avalanche					
Coastal Flooding					
Cold Wave	\$0	\$0	\$0	0.00	\$0
Drought	\$41,570,865	n/a	n/a	n/a	\$41,570,865
Earthquake	\$535,990,661,000	\$9,083,861,000	\$526,906,800,000	45,423.00	n/a
Hail	\$535,803,190,253	\$9,084,015,797	\$526,582,000,000	45,395.00	\$137,174,456
Heat Wave	\$535,803,190,253	\$9,084,015,797	\$526,582,000,000	45,395.00	\$137,174,456
Hurricane	\$535,803,190,253	\$9,084,015,797	\$526,582,000,000	45,395.00	\$137,174,456
Ice Storm	\$535,666,015,797	\$9,084,015,797	\$526,582,000,000	45,395.00	n/a
Landslide	\$137,381,685,064	\$2,114,989,743	\$135,266,695,322	11,660.92	n/a
Lightning	\$535,666,015,797	\$9,084,015,797	\$526,582,000,000	45,395.00	n/a
Riverine Flooding	\$15,680,120,311	\$383,283,220	\$15,266,624,692	1,316.09	\$30,212,399
Strong Wind	\$535,803,190,253	\$9,084,015,797	\$526,582,000,000	45,395.00	\$137,174,456
Tornado	\$535,803,190,253	\$9,084,015,797	\$526,582,000,000	45,395.00	\$137,174,456
Tsunami					

Hazard Type	Total	Building Value	Population Equivalence	Population	Agriculture Value
Volcanic Activity					
Wildfire	\$70,815,154,578	\$1,089,341,708	\$69,713,740,019	6,009.81	\$12,072,852
Winter Weather	\$535,803,190,253	\$9,084,015,797	\$526,582,000,000	45,395.00	\$137,174,456

Annualized Frequency Values

Hazard Type	Annualized Frequency	Events on Record	Period of Record
Avalanche			
Coastal Flooding			
Cold Wave	0 events per year	0	2005-2021 (16 years)
Drought	5.9 events per year	147	2000-2021 (22 years)
Earthquake	0.222% chance per year	n/a	2021 dataset
Hail	3.1 events per year	107	1986-2021 (34 years)
Heat Wave	2.2 events per year	35	2005-2021 (16 years)
Hurricane	0 events per year	0	East 1851-2021 (171 years) / West 1949-2021 (73 years)
Ice Storm	1.4 events per year	91	1946-2014 (67 years)
Landslide	0 events per year	0	2010-2021 (12 years)
Lightning	94.2 events per year	2,073	1991-2012 (22 years)

Hazard Type	Annualized Frequency	Events on Record	Period of Record
Riverine Flooding	1.9 events per year	45	1996-2019 (24 years)
Strong Wind	4.6 events per year	158	1986-2021 (34 years)
Tornado	0.4 events per year	18	1950-2021 (72 years)
Tsunami			
Volcanic Activity			
Wildfire	0.002% chance per year	n/a	2021 dataset
Winter Weather	2.4 events per year	38	2005-2021 (16 years)

Historic Loss Ratios

Hazard Type	Overall Rating
Avalanche	
Coastal Flooding	
Cold Wave	No Rating
Drought	Relatively Moderate
Earthquake	Relatively High
Hail	Very Low
Heat Wave	Very Low

Overall Rating
Relatively Low
Relatively High
Very Low
Very Low
Very Low
Relatively Moderate
Relatively Moderate
Relatively Low
Relatively Moderate
1

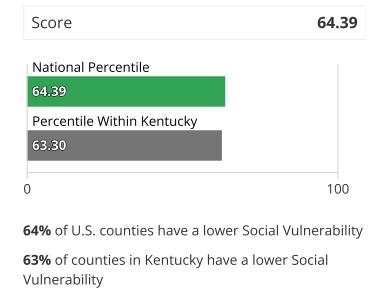
Expected Annual Loss Rate

Hazard Type	Building EAL Rate (per building value)	Population EAL Rate (per population)	Agriculture EAL Rate (per agriculture value)
Avalanche			
Coastal Flooding			

Hazard Type	Building EAL Rate (per building value)	Population EAL Rate (per population)	Agriculture EAL Rate (per agriculture value)	
Cold Wave				
Drought			\$1 per \$923.07	
Earthquake	\$1 per \$3.09K	1 per 369.46K		
Hail	\$1 per \$414.48K	1 per 236.77M	\$1 per \$37.31K	
Heat Wave	\$1 per \$848.39K	1 per 911.09K	\$1 per \$76.78K	
Hurricane	\$1 per \$289.36K	1 per 2.42B	\$1 per \$17.71K	
Ice Storm	\$1 per \$5.86K	1 per 9.01M		
Landslide	\$1 per \$2.02M	1 per 30.26M		
Lightning	\$1 per \$8.07M	1 per 10.61M		
Riverine Flooding	\$1 per \$41.68K	1 per 1.57M	\$1 per \$316.04	
Strong Wind	\$1 per \$7.28K	1 per 697.24K	\$1 per \$618.70	
Tornado	\$1 per \$6.73K	1 per 369.77K	\$1 per \$21.68K	
Tsunami				
Volcanic Activity				
Wildfire	\$1 per \$1.43M	1 per 975.29M	\$1 per \$41.68M	
Winter Weather	\$1 per \$66.35K	1 per 4.13M	\$1 per \$169.21K	

Social Vulnerability

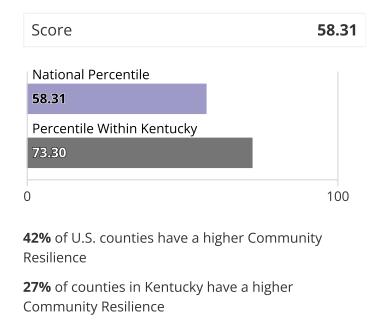
Social groups in **Hopkins County, KY** have a **Relatively High** susceptibility to the adverse impacts of natural hazards when compared to the rest of the U.S.





Community Resilience

Communities in **Hopkins County, KY** have a **Relatively Moderate** ability to prepare for anticipated natural hazards, adapt to changing conditions, and withstand and recover rapidly from disruptions when compared to the rest of the U.S.





About the National Risk Index

The National Risk Index is a dataset and online tool to help illustrate the United States communities most at risk for 18 natural hazards: Avalanche, Coastal Flooding, Cold Wave, Drought, Earthquake, Hail, Heat Wave, Hurricane, Ice Storm, Landslide, Lightning, Riverine Flooding, Strong Wind, Tornado, Tsunami, Volcanic Activity, Wildfire, and Winter Weather.

The National Risk Index leverages available source data for Expected Annual Loss due to these 18 hazard types, Social Vulnerability, and Community Resilience to develop a baseline relative risk measurement for each United States county and Census tract. These measurements are calculated using average past conditions, but they cannot be used to predict future outcomes for a community. The National Risk Index is intended to fill gaps in available data and analyses to better inform federal, state, local, tribal, and territorial decision makers as they develop risk reduction strategies.

Explore the National Risk Index Map at hazards.fema.gov/nri/map.

Visit the National Risk Index website at hazards.fema.gov/nri/learn-more to access supporting documentation and links.

Calculating the Risk Index

Risk Index scores are calculated using an equation that combines scores for Expected Annual Loss due to natural hazards, Social Vulnerability and Community Resilience:

Risk Index = Expected Annual Loss × Social Vulnerability ÷ Community Resilience

Risk Index scores are presented as a composite score for all 18 hazard types, as well as individual scores for each hazard type.

For more information, visit hazards.fema.gov/nri/determining-risk.

Calculating Expected Annual Loss

Expected Annual Loss scores are calculated using an equation that combines values for exposure, annualized frequency, and historic loss ratios for 18 hazard types:

Expected Annual Loss = Exposure × Annualized Frequency × Historic Loss Ratio

Expected Annual Loss scores are presented as a composite score for all 18 hazard types, as well as individual scores for each hazard type.

For more information, visit hazards.fema.gov/nri/expected-annual-loss.

Calculating Social Vulnerability

Social Vulnerability is measured using the Social Vulnerability Index (SVI) published by the Centers for Disease Control and Prevention (CDC).

For more information, visit hazards.fema.gov/nri/social-vulnerability.

Calculating Community Resilience

Community Resilience is measured at the County level using the Baseline Resilience Indicators for Communities (HVRI BRIC) published by the University of South Carolina's Hazards and Vulnerability Research Institute (HVRI).

For more information, visit hazards.fema.gov/nri/community-resilience.

How to Take Action

There are many ways to reduce natural hazard risk through mitigation. Communities with high National Risk Index scores can take action to reduce risk by decreasing Expected Annual Loss due to natural hazards, decreasing Social Vulnerability, and increasing Community Resilience.

For information about how to take action and reduce your risk, visit hazards.fema.gov/nri/take-action.

Disclaimer

The National Risk Index (the Risk Index or the Index) and its associated data are meant for planning purposes only. This tool was created for broad nationwide comparisons and is not a substitute for localized risk assessment analysis. Nationwide datasets used as inputs for the National Risk Index are, in many cases, not as accurate as available local data. Users with access to local data for each National Risk Index risk factor should consider substituting the Risk Index data with local data to recalculate a more accurate risk index. If you decide to download the National Risk Index data and substitute it with local data, you assume responsibility for the accuracy of the data and any resulting data index. Please visit the **Contact Us** page if you would like to discuss this process further.

The methodology used by the National Risk Index has been reviewed by subject matter experts in the fields of natural hazard risk research, risk analysis, mitigation planning, and emergency management. The processing methods used to create the National Risk Index have produced results similar to those from other natural hazard risk analyses conducted on a smaller scale. The breadth and combination of geographic information systems (GIS) and data processing techniques leveraged by the National Risk Index enable it to incorporate multiple hazard types and risk factors, manage its nationwide scope, and capture what might have been missed using other methods.

The National Risk Index does not consider the intricate economic and physical interdependencies that exist across geographic regions. Keep in mind that hazard impacts in surrounding counties or Census tracts can cause indirect losses in your community regardless of your community's risk profile.

Nationwide data available for some risk factors are rudimentary at this time. The National Risk Index will be continuously updated as new data become available and improved methodologies are identified.

The National Risk Index Contact Us page is available at hazards.fema.gov/nri/contact-us.

Explore climate

range:

Higher Lower

HEAT

above:

Days Average annual per year 90°F 95°Ftemφērature

By 2049, Dawson Springs is expected to experience **22 more days** that reach above 95°F

(from 27 days to

49 days per year).

By 2049, Dawson Springs is expected to have a **2°F increase** (from 60°F to 62°F) in average annual temperatures.

PRECIPITATION

Days per year with precip. above:

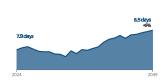
By 2049, Dawson Springs is expected to experience **0.6 more days** of heavy precipitation per year (from 7.9 days to 8.5 days per year).

Average annual precipitation

By 2049, Dawson Springs is expected to have a **1" increase** (from 49" to 50") in average annual precipitation.









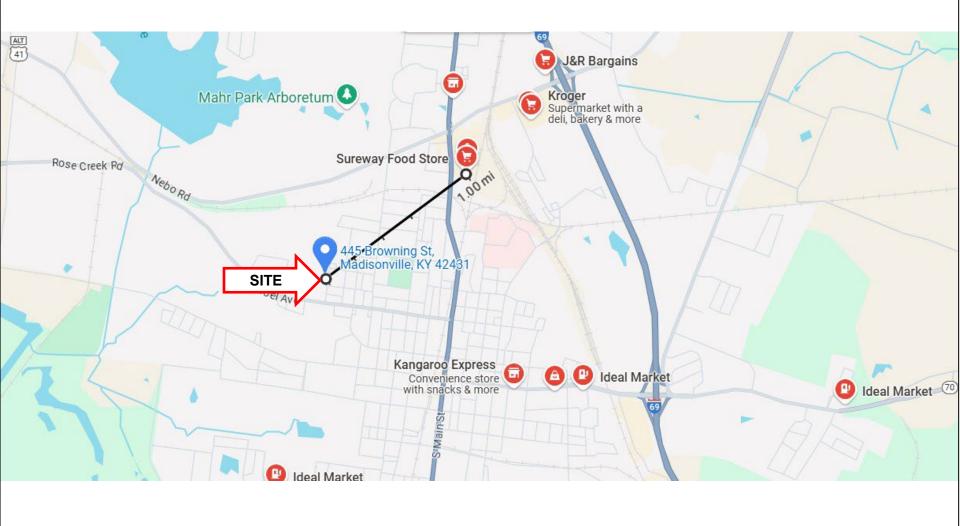
Extremely hot days are the leading cause of weather-related fatalities in the U.S. and Increasing annual temperatures contribute to droughts, longer and more catastrophic wildfire seasons, and

Heavy precipitation leads to both riverine flooding and flash floods Increasing annual precipitation contributes to sustained flooding. For example, in 2019 areas along the

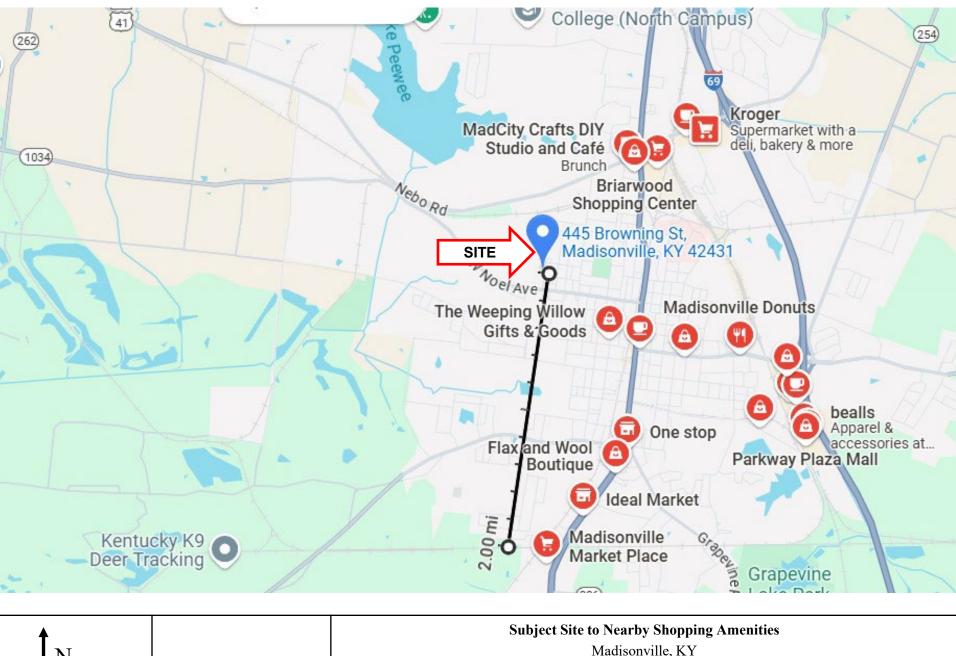
This free tool is nationally available thanks to generous contributions from the USDA Forest Service, Tableau Foundation, Mapbox,

Urban Sustainability Directors Network, M. J. Murdock Charitable Trust,
Climate Resilience Fund, National Oceanic and Atmospheric Administration, and
National Academy of Sciences, Engineering, and Medicine. Climate data accessed via
Applied Climate Information System (ACIS) managed by the Northeast Regional Climate
Center, Cornell University.





1 N		Subject Site to Nearby Grocery Stores Madisonville, KY	
-	NTS	October 2024	



Madisonville, KY NTS October 2024



Home > Travel Destinations > United States > Kentucky >

30 Must Visit Places In Madisonville

Published: August 24, 2024 by Evangelina Gong

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Kentucky



Looking for a new adventure in the United States? **Madisonville** might be your next favorite spot! Nestled in the heart of Kentucky, this charming city offers a mix of history, nature, and fun activities for everyone. Whether you're a history buff, nature lover, or foodie, Madisonville has something special to offer. Imagine strolling through scenic parks, exploring fascinating museums, or enjoying delicious local cuisine. With so many unique places to visit, you'll never run out of things to do. Ready to plan your trip? Here are 30 must-visit places in Madisonville that will make your visit unforgettable!

IVIADIOUIVILLE

Madisonville, Kentucky, is a hidden gem in the heart of the Bluegrass State. Known for its friendly atmosphere, rich history, and beautiful landscapes, this small town offers a variety of attractions that cater to all interests. Whether you're a history buff, nature lover, or foodie, Madisonville has something special for you.

HISTORICAL LANDMARKS

Madisonville boasts several historical sites that provide a glimpse into its storied past. These landmarks are perfect for anyone interested in learning more about the area's heritage.

- 1. **Glema Mahr Center for the Arts** This cultural hub hosts a variety of performances, including theater, music, and dance. The center also features art exhibits and educational programs, making it a must-visit for art enthusiasts.
- 2. Ruby Laffoon Birthplace Visit the birthplace of Ruby Laffoon, the 43rd Governor of <u>Kentucky</u>. This historic home offers guided tours that delve into the life and legacy of one of the state's notable figures.
- 3. **Hopkins County Courthouse** An architectural marvel, the Hopkins County Courthouse stands as a testament to the region's history. Its stunning design and historical significance make it a great spot for history buffs and architecture lovers alike.

OUTDOOR ADVENTURES

for hiking, picnicking, and simply enjoying nature.

- 4. **Mahr Park Arboretum** This expansive park features walking trails, fishing ponds, and beautiful gardens. It's an ideal place for a relaxing day out with family or friends.
- 5. **Pennyrile Forest State** Resort **Park** Located just a short drive from Madisonville, this park offers hiking trails, a serene lake, and opportunities for camping. It's a great destination for outdoor enthusiasts looking to explore Kentucky's natural beauty.
- 6. **Lake Peewee** A popular spot for fishing and boating, Lake Peewee is perfect for a day on the water. The lake's peaceful surroundings make it a great place to unwind and enjoy nature.

FAMILY-FRIENDLY ACTIVITIES

Madisonville is a family-friendly destination with plenty of activities to keep kids and adults entertained. These attractions are perfect for a fun day out with the whole family.

- 7. **Madisonville City Park** This park features playgrounds, sports fields, and <u>picnic</u> areas. It's a great place for families to spend a sunny afternoon.
- 8. **Madisonville Skate Park** For those who enjoy skateboarding or rollerblading, the Madisonville Skate Park offers ramps and rails for all skill levels. It's a fun spot for kids and teens to practice their tricks.
- 9. **Hopkins County Family YMCA** With a variety of fitness classes, swimming pools, and sports facilities, the YMCA is

UNIQUE LOCAL EXPERIENCES

Madisonville offers several unique experiences that you won't find anywhere else. These attractions provide a taste of the local culture and charm.

- 10. **Madisonville Farmers Market** Open seasonally, the farmers market offers fresh produce, homemade goods, and local crafts. It's a great place to support local farmers and artisans while enjoying delicious <u>food</u>.
- 11. **Big City Market & Coffee Bar** This cozy spot offers a variety of coffee drinks, pastries, and light meals. It's the perfect place to relax and enjoy a cup of coffee while soaking in the local atmosphere.
- 12. **The Crowded House** A popular local restaurant, The Crowded House offers a diverse menu featuring everything from burgers to seafood. It's a great place to enjoy a delicious meal in a lively setting.

CULTURAL AND EDUCATIONAL ATTRACTIONS

Madisonville is home to several cultural and educational attractions that provide enriching experiences for visitors of all ages.

13. **Hopkins County Historical Society Museum** This museum offers exhibits on the history of Hopkins County and Madisonville. It's a great place to learn about the area's past and its impact on the present.

rancty of caucational programs and caltural events.

Visitors can attend lectures, performances, and art exhibits throughout the year.

15. **Hopkins County-Madisonville Public Library** The library offers a wide range of books, programs, and events for all ages. It's a great place to relax and enjoy a good book or participate in a community event.

SEASONAL EVENTS AND FESTIVALS

Madisonville hosts several events and festivals throughout the year that celebrate the local culture and community. These events are a great way to experience the town's vibrant spirit.

- 16. **Madisonville Fourth of July Celebration** This annual event features fireworks, live music, and family-friendly activities. It's a great way to celebrate Independence Day with the local community.
- 17. **Madisonville Christmas Parade** Held each December, the Christmas parade features festive floats, marching bands, and a visit from Santa Claus. It's a beloved tradition that brings holiday cheer to the town.
- 18. **Hopkins County Fair** This annual fair offers carnival rides, games, and agricultural exhibits. It's a fun event for the whole family and a great way to experience local traditions.

SHOPPING AND DINING

Madisonville offers a variety of shopping and dining options that cater to all tastes. From charming boutiques to delicious eateries, there's something for everyone. boutiques, antique stores, and a variety of dining options.

- 20. **Madisonville Mall** This shopping center offers a variety of stores and restaurants. It's a convenient place to shop for everything you need in one location.
- 21. **Green's Steakhouse** A local favorite, Green's Steakhouse offers delicious steaks and a cozy atmosphere. It's a great place to enjoy a special meal with family or friends.

HIDDEN GEMS

Madisonville is full of hidden gems that offer unique experiences and off-the-beaten-path adventures. These spots are perfect for those looking to explore something new.

- 22. **Trover Wellness Park** This park offers walking trails, fitness stations, and beautiful scenery. It's a great place to enjoy a peaceful walk or a workout in nature.
- 23. **Madisonville Disc Golf Course** Located in City Park, this disc golf course offers a fun and challenging experience for players of all skill levels. It's a great way to enjoy the outdoors and try something new.
- 24. **Madisonville City Lake** This small lake offers fishing, boating, and a peaceful setting. It's a great spot for a relaxing day by the water.

ARTS AND ENTERTAINMENT

Madisonville offers a variety of arts and entertainment options that cater to all interests. From live performances to art exhibits, there's always something happening in town.

Q

dance. It's a great place to enjoy a night out and experience local talent.

- 26. **Madisonville Art Guild** The art guild offers exhibits, classes, and workshops for artists of all skill levels. It's a great place to explore your creative side and support local artists.
- 27. **Madisonville Cinemas** Catch the latest movies at Madisonville Cinemas. This modern theater offers comfortable seating and a great selection of films.

RELAXATION AND WELLNESS

Madisonville offers several options for relaxation and wellness. These spots are perfect for unwinding and taking care of yourself.

- 28. **Madisonville Massage Therapy** Treat yourself to a relaxing massage at Madisonville Massage Therapy. It's a great way to relieve stress and rejuvenate your body.
- 29. **Madisonville Yoga Studio** This studio offers a variety of yoga classes for all skill levels. It's a great place to improve your flexibility, strength, and overall well-being.
- 30. **Madisonville Spa and Wellness Center** Enjoy a day of pampering at the Madisonville Spa and Wellness Center. They offer a variety of treatments, including facials, massages, and body wraps.

MADISONVILLE AWAITS YOUR ADVENTURE

for the Arts, there's something for everyone. Don't miss the Ruby Laffoon Cabin for a taste of local history. Outdoor enthusiasts will love Mahr Park Arboretum and Lake Peewee. Foodies can savor local flavors at Big City Market and Coffee Bar or Brother's Bar-B-Que.

Whether you're exploring the **Hopkins County Historical Society Museum** or catching a show at the **Ballard Convention Center**, Madisonville promises memorable experiences. The city's charm lies in its unique blend of attractions, making it a must-visit destination. Pack your bags, grab your camera, and get ready to uncover the hidden gems of Madisonville. Adventure and discovery await in this vibrant Kentucky city.



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Median Household Income

Year	Dawson Springs	Madisonville	Hopkins County	Kentucky
< \$15,000	28%	18%	17%	13%
\$15,000-\$24,999	19%	9%	9%	9%
\$25,000-\$34,999	9%	9%	8%	9%
\$35,000-\$49,999	14%	16%	14%	13%
\$50,000-\$74,999	13%	17%	17%	18%
\$75,000-\$99,999	8%	15%	15%	13%
\$100,000-\$149,999	6%	10%	13%	15%
\$150,000-\$199,999	1%	4%	4%	6%
\$200,000+	1%	2%	3%	6%
2023	\$27,602	\$47,820	\$51,656	\$57,015
2028	\$29,796	\$52,499	\$57,011	\$64,284
2023 - 2028 Annual Change	1.59%	1.96%	2.07%	2.55%

Source: Site To Do Business (STDB)

Madisonville's highest percentage of median household income is <\$15,000 with 18%. while the state has the highest median household income in the \$50,000-\$74,999 range.

Population

The following table provides population figures for the areas identified. The population estimates are not believed to account for the displacement of households that occurred following the destruction in Dawson Springs from the 2021 tornado.

Population

Year	Dawson Springs	Madisonville	Hopkins County	Kentucky
2000	2,990	19,502	46,519	4,041,769
2010	2,766	19,709	46,920	4,339,367
2023	2,382	19,178	44,887	4,547,961
2028	2,323	18,859	44,272	4,576,418
2000 - 2010 Annual Change	-0.75%	0.11%	0.09%	0.74%
2010 - 2023 Annual Change	-1.07%	-0.21%	-0.33%	0.37%
2023 - 2028 Annual Change	-0.50%	-0.33%	-0.27%	0.13%

Source: Site To Do Business (STDB)

Population in Dawson Springs and Hopkins County is anticipated to decrease 0.50%, while Madisonville is projected to decrease 0.33% annually from 2023 through 2028.

Conclusion

Hopkins County's economy relied heavily on agriculture, mining, and manufacturing for several decades, but the area's economy was dramatically impacted by plant closures and changes in both mining and agricultural industries in the 1980s and 1990s. While this led to greater diversification in subsequent years and lower unemployment, the area is still losing population. The population loss will likely continue to have a negative impact on general real estate market conditions unless the area is able to attract additional high paying jobs.



- Nearest International Airport –Nashville International Airport (approximately 112 south east) and Louisville Muhammad Ali International Airport (approximately 149 north east)
- Availability of Public Transportation No

Overall, access to the subject neighborhood is considered to be good, primarily due to the proximity of I-69.

Demographics

As shown in the table below, annual population growth in the neighborhood is anticipated to decline at a higher rate than the county from 2023 through 2028. A similar trend is anticipated for households in the neighborhood during the same time period. Median household income in the neighborhood in 2023 is \$47,820, which is below Hopkins County. It is noted per capita income in the neighborhood is slightly below the county. Overall, the subject neighborhood is considered to be a mostly lower to middle income neighborhood.



The following table summarizes the educational attainment levels for Madisonville, Dawson Springs, Hopkins County and Kentucky as provided by STDB.

Educational Attainment

2023 Educational Attainment	Dawson Springs	Madisonville	Hopkins County	Kentucky
Less than 9th Grade	5.0%	3.5%	3.7%	3.9%
9-12th Grade/No Diploma	14.6%	6.4%	7.3%	7.1%
High School Diploma	37.3%	29.7%	32.4%	26.9%
GED/Alternative Credential	13.1%	9.0%	8.9%	6.8%
Some College/No Degree	14.6%	18.3%	18.4%	17.6%
Associate's Degree	7.3%	11.3%	11.3%	9.9%
Bachelor's Degree	6.5%	13.1%	10.4%	16.7%
Graduate/Professional Degree	1.5%	8.8%	7.7%	11.2%
Total High School Graduates and Higher	80%	90%	89%	89%

Source: Site To Do Business (STDB)

Madisonville's percentage of high school graduates is higher when compared to all other observed areas.

Economic Conditions

In order to evaluate the relative macroeconomic performance of Madisonville, this analysis includes a comparison with Dawson Springs, Hopkins County, and Kentucky.

Employment by Industry

The following chart includes the percentage of employment by industry for the areas identified.

Employment by Industry

2023 Employed Civilian Population Age 16+	Dawson Springs	Madisonville	Hopkins County	Kentucky
Transportation/Material Moving	23.5%	10.7%	12%	10.3%
Production	14.9%	10.0%	10.9%	9.7%
Healthcare Practitioner/Technician	12.4%	8.6%	8.1%	7.1%
Healthcare Support	6.7%	5.0%	4.3%	2.6%
Management	5.4%	9.2%	8.2%	10.1%
Construction/Extraction	5.2%	3.7%	6.2%	4.5%
Sales and Sales Related	4.7%	6.7%	6.1%	8.1%
Office/Administrative Support	4.2%	11.1%	10.6%	11.4%
Building/Grounds Cleaning/Maintenance	3.4%	4.1%	4.4%	2.9%
Education/Training/Library	3.3%	7.2%	5.4%	5.2%
All others	16%	24%	24%	28.1%

Source: Site To Do Business (STDB)



As the table indicates, Madisonville is also oriented toward office administrative support at 11.1% and transportation/material moving at 10.7%, while Hopkins County's top industries in civilian employment is transportation and production. All areas have a mix of white- and blue-collar opportunities.

Area Employment

The following table lists the area's largest 10 private employers as reported by the Madisonville-Hopkins County Economic Development Corporation.

Major Employers

	Employer	# Employees	Industry
1	Baptist Health Madisonville	2,240	Healthcare
2	Alliance Resource Partners	1,224	Mining
3	Hopkins County School	1,172	Education
4	Carhartt	850	Distribution
5	General Electric Aviation	500	Manufacturing
6	Groves Electrical	368	Utilities
7	Madisonville Community College	330	Education
8	City of Madisonville	300	Government
9	IAC	240	Manufacturing
10	Clark Webstaurant	200	Distribution

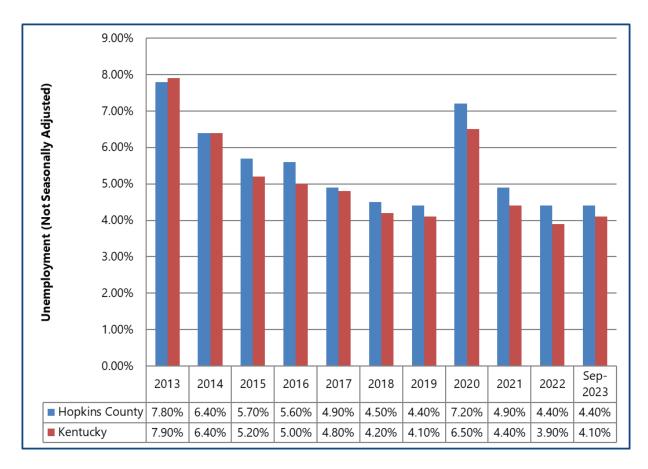
Source: Madisonville-Hopkins County Economic Development Corporation

Baptist Health Madisonville Hospital is a major driver of the economy with more than 3,000 employees. A satellite medical office has been built by Baptist Healthcare in Dawson Springs. The top employers represent a diverse workforce.

Employment Growth

The following chart tracks percentage changes in employment since 2013 of the county and state.





As shown, unemployment rates in Hopkins County have generally tracked near those of the state. Both Hopkins County and the State have experienced significant declines in unemployment since the last recession, but the County's improving rates are due more to declines in employment rather than strong improvements in the labor market. Further, like the rest of the country, unemployment rates were significantly impacted by the pandemic. However, based on the data, Hopkins County appears to have recovered.

The U.S. unemployment rate rose to 14.7% in April 2020, up from 4.4% in March 2020. This was the highest rate and the largest over-the-month increase in the history of the series (seasonally adjusted data are available back to January 1948. Some experts had dire predictions with unemployment reaching Depression era levels. However, as of October 2023, the national unemployment rate was 3.9%, showing significant improvement and recovery.

Unemployment rates throughout the region increased significantly in 2020 but did not reach levels experienced during the previous recession. Furthermore, unemployment levels for all observed areas are currently below those experienced during the recovery from the last recession. The improving unemployment is a clear indicator the economy is recovering from the effects of the pandemic.

Income

Household income in the observed areas is distributed through the nine income brackets presented in the following table.



Median Household Income

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< \$15,000	28%	18%	17%	13%
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2018 Kentucky Residential Code

Second Edition
April 2019



As Adopted by:

Department of Housing, Buildings and Construction

101 Sea Hero Road, Suite 100 Frankfort, Kentucky 40601-5412 Telephone: (502) 573-0365 FAX: (502) 573-1057

Telephone: (502) 573-0365 FAX: (502) 573-1057

PREFACE

The Kentucky Residential Code (KRC) is essentially the 2015 International Residential Code for One and Two Family Dwellings published by the International Code Council, Inc., with the specific Kentucky amendments. It provides minimum standards to ensure the public safety, health and welfare insofar as they are affected by building construction, and to secure safety to life and property from all hazards incident to the occupancy of buildings, structures, or premises. This edition presents the code with changes approved by the Kentucky Department of Housing, Buildings and Construction through April 2018.

The Kentucky Residential Code is a "mini/maxi" code, in that it establishes minimum and maximum building code requirements for detached single-family dwellings, two-family dwellings and townhouses and local governments shall not adopt or enforce any other building code on these units.

The *Kentucky Residential Code* may be amended from time to time by the Department of Housing, Buildings and Construction through the regulatory process by considering proposals from code enforcement officials, industry and design professionals, and other interested persons and organizations. Amendments are discussed during open meetings of the Housing, Buildings and Construction Advisory Committee. Approved amendments by the Department and the Legislative Review Commission are printed in the Kentucky Administrative Register and posted on the Department's website (dhbc.ky.gov).

SAMPLE ORDINANCE FOR ADOPTION OF THE

INTERNATIONAL RESIDENTIAL CODE FOR SINGLE FAMILY DWELLINGS

ORDINANCE NO.

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adoption.

Section 6. That this ordinance and the rules, regulations, provisions, requirements, orders and matters established and adopted hereby shall take effect and be in full force and effect_______from and after the date of its final passage and

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CHAPTER 1 ADMINISTRATION

SECTION R101 GENERAL

R101.1 Title. These provisions shall be known as the *Kentucky Residential Code for One- and Two-family Dwellings* and shall be cited as such and will be referred to herein as "this code."

R101.2 Scope. The provisions of the *Kentucky Residential Code for One- and Two-family Dwellings* shall apply to the construction, *alteration*, movement, enlargement, replacement, repair, equipment, use and occupancy, location, removal, and demolition of detached one- and two-family dwellings and townhouses not more than three stories above *grade plane* in height with a separate means of egress and their *accessory structures*.

Exceptions:

- 1. Live/work units complying with the requirements of Section 419 of the *Kentucky Building Code* shall be permitted to be built as one- and two-family *dwellings* or townhouses. Fire suppression required by Section 419.5 of the *Kentucky Building Code* when constructed under the *International Residential Code for One- and Two-family Dwellings* shall conform to Section P2904.
- Owner-occupied lodging houses with five or fewer guestrooms shall be permitted to be constructed in accordance with the Kentucky Residential Code for Oneand Two-family Dwellings when equipped with a fire sprinkler system in accordance with Section P2904.
- 3. Farm dwellings and other buildings and structures located on farms which are incident to the operation of the farm and located outside the boundary of a municipality; but only if they are not used in the business of retail trade, as a regular place of work for 10 or more people, or for the processing or storage of timber products.
- 4. *Manufactured homes* constructed under federal HUD standards. However, the exterior electric, water, and sewer connections and additions to the home are not exempt.
- 5. Swimming pools constructed completely above grade.

R101.3 Intent. The purpose of this code is to establish minimum and maximum requirements to safeguard the public safety, health, and general welfare through affordability, structural strength, means of egress facilities, stability, sanitation, light and ventilation, energy conservation, and safety to life and property from fire and other hazards attributed to the built environment and to provide safety to fire fighters and emergency responders during emergency operations. Local governments shall not adopt or enforce any other building code for detached *single family dwellings*, *two-family dwellings* and *townhouses*.

- **R101.4** Other residential buildings. Multiple *single-family dwellings* (*townhouses*) over three stories above grade in height or without separate entrances shall comply with the Kentucky Building Code (KBC).
- **R101.5** Accepted practices. In the absence of provisions not specifically contained in this code or final decisions of the appeals board, the specification and standards listed in Chapter 44 shall be deemed to represent accepted engineering practice with respect to materials, equipment, systems, or method of construction as specified and shall be acceptable.
- **R101.6 Licensed HVAC contractors.** All work involving HVAC shall comply with KRS Chapter 198B and 815 KAR Chapter 8. The building official shall require proof of licensure when making inspections.
- **R101.7 Plumbing contractors and inspections.** All plumbing installations shall be performed in compliance with KRS Chapter 318 and 815 KAR Chapter 20. The building official shall require proof of licensure when making inspections.
- **R101.8 Electrical contractors and inspections.** All electrical installations shall be performed in compliance with KRS 227.450 through 227.530, KRS Chapter 227A, and 815 KAR Chapter 35. The building official shall require proof of licensure when making inspections.

SECTION R102 APPLICABILITY

- **R102.2** Other laws. The provisions of this code shall not be deemed to nullify any provisions of local, state, or federal law. Other local, state, or federal law shall be consulted to determine the existence of other powers given to the *building official*, such as those related to demolition or authority over unsafe structures; however, a local ordinance shall not establish any additional or contradictory building construction standard than those adopted in this code.
- **R102.5 Appendices.** Provisions in the appendices of the 2016 Kentucky Residential Code shall not apply unless specifically referenced in the adopting ordinance.
 - **R102.5.1 Appendix K, Sound transmission.** The provisions found in Appendix K shall apply to wall and floor-ceiling assemblies separating dwelling units including those separating townhouses.
- **R102.5.2 Appendix R, Light Straw-Clay Construction.** The provisions found in Appendix R shall apply to light

straw clay construction as a nonbearing building material and wall infill systems.

R102.5.3 Appendix S, Strawbale Construction. The provisions found in Appendix S provides prescriptive and performance-based requirements for the use of baled straw as a building material.

R102.7 Existing structures. The legal occupancy of any structure existing on the date of adoption of this code shall be permitted to continue without change, except as is specifically covered in this code, the locally adopted property maintenance code, or as is deemed necessary by the *building official* for the general safety and welfare of the occupants and the public.

R102.8 Plumbing. The provisions of the Kentucky State Plumbing Code shall apply to the installation, alteration, repair, and replacement of plumbing systems, including equipment, appliances, fixtures, fittings, and appurtenances.

R102.9. Electrical. The electrical system shall be installed in compliance with NFPA 70 as adopted by the Commonwealth of Kentucky.

SECTION R103 BUILDING INSPECTION PROGRAM

R103.2.1 Certified inspectors. The local government shall provide at least one Kentucky Certified Building Inspector, Level I, certified pursuant to 815 KAR 7:070, and at least one certified electrical inspector, certified according to 815 KAR 35:015. The local government shall report the name of all inspectors to the *Department* and shall notify the *Department* of any changes in inspection personnel. To enforce the residential code only, the local government shall provide at least one inspector that has achieved 1 & 2 Family Dwelling Certification.

R103.3 Deputies. In accordance with the prescribed procedures of this *jurisdiction* and with the concurrence of the appointing authority, the *building official* shall have the authority to appoint a deputy *building official*, the related technical officers, inspectors, plan examiners, and other employees. Such employees shall have powers as delegated by the *building official*. These appointments shall meet the requirements of 815 KAR 7:070 for certification associated with their job duties.

SECTION R104 DUTIES AND POWERS OF THE BUILDING OFFICIAL

R104.7 Department records. The *building official* shall keep official records of applications received, permits and certificates issued, fees collected, reports of inspections, and notices and orders issued. Such records shall be retained in the official records for the period required for the retention of public records as promulgated by the

Kentucky Department of Libraries and Archives pursuant to KRS 171.450.

R104.10.1 Flood hazard areas. The *building official* shall not grant modifications to any provision related to flood hazard areas as established by local jurisdiction without the granting of a variance to such provisions by the board of appeals.

SECTION R105 PERMITS

R105.2 Work exempt from permit. Exemption from permit requirements of this code shall not be deemed to grant authorization for any work to be done in any manner in violation of the provisions of this code or any other laws or ordinances of this jurisdiction. Permits shall not be required for the following:

Building:

- 1. One-story detached *accessory structures* used as tool and storage sheds, playhouses and similar uses, provided the floor area does not exceed 200 square feet (18.58 m²).
- 2. Fences not over 7 feet (1829 mm) high.
- 3. Retaining walls that are not over 4 feet (1219 mm) in height measured from grade at the bottom of the wall to the top of the wall.
- 4. Water tanks supported directly upon *grade* if the capacity does not exceed 5000 gallons (18927L) and the ratio of height to diameter or width does not exceed 2 to 1.
- 5. Sidewalks and driveways.
- 6. Painting, papering, tiling, carpeting, cabinets, counter tops and similar finish work.
- 7. Swings and other playground equipment.
- 8. Window awnings supported by an exterior wall which do not project more than 54 inches (1372 mm) from the exterior wall and do not require additional support.
- 9. Decks not exceeding 200 square feet (18.58 m²) in area, that are not more than 30 inches (762mm) above *grade* at any point, are not attached to a *dwelling* and do not serve the exit door required by Section R311.4.

Electrical

- 1. Listed cord-and-plug connected temporary decorative lighting.
- 2. Reinstallation of attachment plug receptacles but not the outlets therefor.
- 3. Replacement of branch circuit overcurrent devices of the required capacity in the same location.
- 4. Electrical wiring, devices, appliances, apparatus or equipment operations at less than 25 volts and not capable of supplying more than 50 watts of energy.
- Minor repair work, including the replacement of lamps or the connection of approved portable electrical equipment to approved permanently installed receptacles.
- 6. The provisions of this code shall not apply to electrical equipment used for radio and television transmissions.

7. The installation of any temporary system required for the testing or servicing of electrical equipment or apparatus.

Gas:

- 1. Portable heating appliances.
- 2. Replacement of any minor part that does not alter approval of equipment or make such equipment unsafe.
- Portable-fuel-cell appliances that are not connected to a fixed piping system and are not interconnected to a power grid.

Mechanical:

- 1. Portable heating appliances.
- 2. Portable ventilation equipment.
- 3. Portable cooling units.
- 4. Steam, hot, or chilled water piping within any heating or cooling equipment regulated by this code.
- 5. Replacement of any part which does not alter its approval or make it unsafe.
- 6. Portable evaporative cooler;
- 7. Self-contained refrigeration system containing 10 pounds (4.54 kg) or less of refrigerant and actuated by motors of 1 horsepower (746 W) or less.
- Portable-fuel-cell appliances that are not connected to a fixed piping system and are not interconnected to a power grid.

Plumbing

- The stopping of leaks in drains, water, soil, waste, or vent pipe; provided, however, that if any concealed trap, drainpipe, water, soil, waste, or vent pipe becomes defective and it becomes necessary to remove and replace the same with new material, such work shall be considered as new work and a permit shall be obtained and inspection made as provided in this code.
- 2. The clearing of stoppages or the repairing of leaks in pipes, valves, or fixtures, and the removal and reinstallation of water closets, provided such repairs do not involve or require the replacement or rearrangement of valves, pipes, or fixtures.
- **R105.3 Application for permit.** To obtain a *permit*, the applicant shall first file an application in writing on a form furnished for that purpose by the authority having jurisdiction. Such application shall:
- 1. Identify and describe the work to be covered by the *permit* for which application is made.
- 2. Describe the land on which the proposed work is to be done by legal description, street address, or similar description that will readily identify and definitely locate the proposed building or work. New building or additions shall be accompanied by a copy of the current site survey bearing the seal of a Kentucky Registered Land Surveyor, except the building official may, at the building official's discretion, accept other proof of location.
- Indicate the use and occupancy for which the proposed work is intended.
- 4. Be accompanied by *construction documents* and other information as required by Section 106.1.

5. Give such other data and information as required by the building official.

SECTION R106 CONSTRUCTION DOCUMENTS

R106.1 Submittal documents. Submittal documents consisting of *construction documents* and other data shall be submitted in two or more sets with each application for a *permit.* Where special conditions exist, the *building official* is authorized to require additional *construction documents* to be prepared by a licensed *design professional*.

Exception: The *building official* is authorized to waive the submission of *construction documents* and other data not required to be prepared by a licensed *design professional* if it is found that the nature of the work applied for is such that reviewing of *construction documents* is not necessary to obtain compliance with this code.

R106.1.3 Information on construction in flood hazard areas. For buildings and structures located in whole or in part in flood hazard areas as established by local jurisdiction or floodplain manager, floor construction documents shall include:

- 1. Delineation of flood hazard areas, floodway boundaries, and flood zones and the design flood elevation, as appropriate;
- 2. The elevation of the proposed lowest floor, including *basement*; in areas of shallow flooding (AO zones), the height of the proposed lowest floor, including *basement*, above the highest adjacent grade;
- 3. The elevation of the bottom of the lowest horizontal structural member in coastal high hazard areas (V zone); and
- 4. If design flood elevations are not included on the community's Flood Insurance Rate Map (FIRM), the *building official* and the applicant shall obtain and reasonably utilize any design flood elevation and floodway data available from other sources.

R106.2 Site plan or plot plan. The construction documents submitted with the application for permit shall be accompanied by a site plan showing the size and location of new construction and existing structures on the site and distances from lot lines, the established street grades and the proposed finished grades, and it shall be drawn in accordance with an accurate boundary line survey. In the case of demolition, the site plan shall show construction to be demolished and the location and size of existing structures and construction that are to remain on the site or plot. The building official is authorized to waive or modify the requirement for a site plan when the application for permit is for alteration or repair or when otherwise warranted.

106.5 Retention of construction documents. The *building official*, as required by the Kentucky Department of Libraries and Archives administrative regulations, shall retain approved construction documents.

SECTION R107 TEMPORARY STRUCTURES AND USES

R107.3 Temporary power. The building official and the applicable licensed and certified inspector listed in Section 101.8 are authorized to give permission to temporarily supply and use power in part of an electric installation before such installation has been fully completed and the final certificate of completion has been issued. The part covered by the temporary certificate shall comply with the requirements specified for temporary lighting, heat, or power in NFPA 70.

SECTION R108 FEES

R108.6 Work commencing before permit issuance. Any person who commences any work on a building, structure, electrical, gas, mechanical, or plumbing system before obtaining the necessary *permits* may be subject to penalties established in KRS Chapters 198B, 227, 227A, 234, 236 and 318. The fee shall be in addition to and equal to the amount of the original fee.

R108.7 Accounting. The building official shall keep an accurate account of all fees collected, and such collected fees shall be deposited monthly in the jurisdiction treasury, or otherwise disposed of as required by law.

SECTION R109 **INSPECTIONS**

R109.1 Types of inspections. For onsite construction, from time to time the building official, upon notification from the permit holder or his agent, shall make or cause to be made any necessary inspections and shall either approve that portion of the construction as completed or shall notify the permit holder or his or her agent wherein the same fails to comply with this code. Approval as a result of an inspection shall not be construed to be an approval of a violation of the provisions of this code or of other ordinances of the jurisdiction. Inspections presuming to give authority to violate or cancel the provisions of this code or of other ordinances of the jurisdiction shall not be valid. It shall be the duty of the *permit* applicant to cause the work to remain accessible and exposed for inspection purposes. Neither the building official nor the jurisdiction shall be liable for expense entailed in the removal or replacement of any material required to allow inspection.

R109.1.3 Floodplain inspections. For construction in areas prone to flooding as established by local jurisdiction, upon placement of the lowest floor, including basement, and prior to further vertical construction, the building official shall require submission of documentation, prepared and sealed by a registered design professional, of the elevation of the lowest floor, including basement, required in Section R322.

R109.1.6 Final inspections. Upon completion of

the building, the owner or agent of the facility shall request a final inspection. The building official shall set a time for the inspection and notify the owner or agent. If substantial compliance with the approved construction documents and permit has been achieved, a certificate of occupancy shall be issued, as described in Section R110. If compliance has not been achieved, violations of the approved construction documents and permit shall be noted and immediately communicated to the owner, agency, and other person holding the *permit*. It shall be the owner's responsibility and the responsibility of the person responsible for the construction work to fulfill any compliance deficiencies

R109.1.7 Industrialized building system inspections. The inspection of all buildings classified as industrialized

building systems, regardless of size or occupancy classification, shall be in accordance with this section.

R109.1.7.1 Off-site construction. In-plant inspections in production and manufacturing facilities for industrialized building systems shall be conducted by the Department or its authorized agent.

R109.1.7.2 On-site construction. On-site construction related to modular homes or one- and two-family dwelling installations may be permitted and inspected by the local building official having jurisdiction upon notice from the *Department* of an approved modular home. The local code official having jurisdiction shall be responsible for inspection of the foundation system, placement of the building, connection of the units, final set-up of the units and issuance of the certificate of occupancy. The local building official shall be responsible for inspection of these systems for zoning, water supply and sewage disposal, and other applicable local ordinance purposes.

SECTION R110 CERTIFICATE OF OCCUPANCY

R110.2 Change in use. Changes in the character or use of an existing structure shall not be made except as specified in Sections 3408 and 3409 of the Kentucky Building Code.

SECTION R111 SERVICE UTILITIES

R111.1 Connection of service utilities. No person shall make connections from a utility, source of energy, fuel, or power to any building or system that is regulated by this code for which a permit is required, until approved by the building official or the applicable licensed and certified inspector listed in sections R101.6, R101.7 and R101.8.

R111.2 Temporary connection. The building official and the applicable licensed and certified inspector listed in section R101.6, R101.7, and R101.8 shall have the authority to authorize and approve the temporary connection of the

building or system to the utility, source of energy, fuel, or power.

R111.3 Authority to disconnect service utilities. The building official and the applicable licensed and certified inspector listed in section R101.6, R101.7, and R101.8 shall have the authority to authorize disconnection of utility service to the building, structure, or system regulated by this code and the referenced codes and standards set forth in Section R102.4 in case of emergency where necessary to eliminate an immediate hazard to life or property, or when such utility connection has been made without the approval required by Section R111.1 or R111.2. The building official shall notify the serving utility and, whenever possible, the owner and occupant of the building, structure, or service system of the decision to disconnect prior to taking such action if not notified prior to disconnection. The owner or occupant of the building, structure, or service system shall be notified in writing as soon as practical thereafter.

SECTION R112 APPEALS

- **R112.1 General.** All appeals from the decisions of *building officials* shall be conducted in accordance with the appeals provisions of KRS 198B.070. Where a local appeals board exists, a party must first appeal to the local appeals board when aggrieved by a decision of the local *building official*. The *Department* shall hear appeals directly from a party aggrieved by the decision of an agent of the *Department*.
- **R112.2** Appeal by fire code official. Decisions rendered by the *building official* with respect to enforcement of the *Kentucky Building Code* on any building may be appealed by the local fire code official of the jurisdiction if the fire code official is aggrieved by that decision.
- **R112.3 Local appeals board.** Local appeals boards may be appointed to hear appeals from the decisions of the local *building official* in accordance with the provisions of Sections 112.3.1 through 112.3.4.
 - **R112.3.1 Appointment.** The mayor or county judge executive of a local government which is enforcing the *Kentucky Building Code* may, upon approval of the local legislative body, appoint a local appeals board, consisting of at least five technically qualified persons with professional experience related to the building industry, three of which shall not be employees of the local government, to hear appeals from the decisions of the local code official regarding building code requirements.
 - **R112.3.2** Cooperative agreements. Local governments which are enforcing the *Kentucky Building Code* may cooperate with each other and provide a local appeals board and shall adhere to the provisions of KRS Chapter 65 when entering into a cooperative agreement.

- **R112.3.3 Disqualification of member.** Local *building officials* or employees of a local inspection department shall not sit on a local appeals board if the board is hearing an appeal to a decision rendered by the local department. A member of a local appeals board shall not hear an appeal in a case in which the member has a financial interest.
- **R112.3.4 Right to appeal.** Any party to a decision by the local *building official* may appeal that decision to the local appeals board. Upon receipt of an appeal from a qualified party, the local appeals board shall convene a hearing to consider the appeal within 15 days of receipt.
- **R112.3.5 Notice of meeting.** All parties to the appeal shall be notified of the time and place of the hearing by letter sent by certified mail not later than 20 days prior to the date of the hearing.
- **R112.3.6 Board decision.** The local appeals board shall render a decision within five working days after the hearing. The board may uphold, amend, or reverse the decision of the local *building official*, and there shall be no appeal from the decision of the local appeals board other than by appeal to the *Department*.
- **R112.3.7 Open hearing.** All hearings before the local appeals board shall be open to the public. The appellant, the appellant's representative, the *building official*, and all persons whose interests are affected shall be given an opportunity to be heard.
 - **R112.3.7.1 Procedure.** The local appeals board shall adopt and make available to the public through the secretary procedures under which a hearing will be conducted. The procedures shall not require compliance with strict rules of evidence but shall mandate that only relevant information be received.
- **R112.3.8 Board decision.** A majority of the local appeals board members' votes shall be required to modify or reverse the decision of the *building official*.
- **R112.4** Appeals to the State. Application for appeal by a property owner may be made when it is claimed in writing that the true intent of this code or the rules legally adopted thereunder have been incorrectly interpreted, the provisions of this code do not fully apply, or an equally good or better form of construction can be used, or that the *building official* has refused to grant a modification to the provisions of this code covering the manner of construction or material to be used in the erection, alteration, or repair of a *building* or *structure*.
- R112.4.1 Application procedure. Appeals to the *Department* shall be in writing and shall be addressed to the *Commissioner* of the Department of Housing, Buildings and Construction, 101 Sea Hero Road, Suite 100, Frankfort, Kentucky 40601-5412; Attention: Appeals. The appeal shall include citations of those provisions of the *Kentucky Building Code* or *Kentucky Residential Code* that are at issue, an explanation of why the

decision of the state *building official* or local *building official* relative to those provisions is being contested, and a copy of the decision rendered by the local appeals board, if any.

R112.4.2 Investigation of appeal. The *Commissioner* shall immediately notify the *Department* or the five- member committee authorized by the *Commissioner* when an appeal is received. The *Commissioner* or a designated employee of the *Department* shall then investigate the evidence pertaining to the appeal and, based on the results of the investigation, make written recommendations to the *Department* or committee on the disposition of the case in question, within 30 days.

R112.4.3 Employee deferral. Employees of the *Department* shall not investigate or make recommendations on an appeal to his or her decision, but shall defer in this case to employees who are not party to the decision which led to the appeal.

R112.4.4 Investigative authority. In conducting an investigation, the *Commissioner* or the designated representatives, acting for the *Department*, shall have the authority to administer oaths and affirmations, issue subpoenas authorized by law, rule upon offers of proof and receive relevant evidence, take or cause depositions to be taken, regulate the course of any hearings they may schedule, and hold conferences for the settlement or simplification of the issue by consent of the parties.

R112.4.5 Administrative hearing. Pursuant to KRS Chapter 13B, if the issue has not been settled by agreement of the parties within limitations set by Section 112.4.2, the *Department* shall schedule an administrative hearing on the matter. The cost of any appeal forwarded to the *Department* because there is no local appeals board shall be borne by the local government. The *Department* shall calculate the actual cost of processing the appeal and bill the local government at the conclusion of all proceedings.

112.4.6 Judicial appeals. Final orders of the *Department* are appealable to the Circuit Court in the county in which the property is located.

SECTION R113 VIOLATIONS

R113.4 Violation penalties. Any person who violates a provision of this code or fails to comply with any of the requirements thereof or who erects, constructs, alters, or repairs a building or structure in violation of the *approved construction documents* or directive of the *building official*, or of a *permit* or certificate issued under the provisions of this code, shall be subject to penalties provided by KRS 198B.990 and other applicable law.

SECTION R114 STOP WORK ORDER

R114.4 Limitation on changes. No inspector shall be authorized to require changes on-site that are contrary to the approved construction documents. If an inspector finds a code discrepancy in an on-site inspection, the inspector shall refer the matter to the official having construction document review responsibility who shall require corrections if the code so requires.

SECTION R115 PROOF OF INSURANCE

R115.1 Compliance with law. The issuance of a building permit shall be contingent upon presentation of proof to the effect that all contractors and subcontractors employed or that will be employed in the construction, alteration, or repair under the permit are in compliance with the Kentucky law relating to worker's compensation and unemployment insurance.

R115.2 General applicability. Compliance with this section shall be achieved by presenting certificates or other forms approved by the Kentucky Labor Cabinet to the code official issuing the permit.

SECTION R116 EFFECTIVE DATES

R116.1 General. The *building official* shall accept plans in compliance with the requirements of this code. Effective August 1, 2019, this code shall be mandatory and no permit shall be issued for construction under any other building code.

CHAPTER 2 DEFINITIONS

SECTION R202 DEFINITIONS

R202 DEFINITIONS. Section R202 Definitions of Habitable Space and Historical Building of the 2015 IRC shall be DELETED in their entirety.

BUILDING. Any combination of materials, whether portable or fixed, which comprises a structure or non-mine underground area affording facilities or shelter for any human occupancy, whether infrequent or regular, and also means single-family dwellings, including those sold or constructed under a trade or brand name. The word "building" shall be construed wherever used herein as if followed by the words "or part or parts thereof and all equipment therein" unless the context clearly requires a different meaning. "Building" shall also mean swimming pools constructed below grade on site, but not swimming pools assembled above grade on site. "Building" shall not mean a manufactured home governed by the National Manufactured Housing Construction and Safety Standards Act of 1974, 42 U.S.C. secs. 5401 et seq., or a farm dwelling or other farm buildings and structures incident to the operation and maintenance of the farm if the farm structures are located outside the boundary of a municipality and are not used in the business of retail trade or used as a place of regular employment for ten (10) or more people or structures used in the storage or processing of timber products.

BARRIER. A fence, a *wall*, a building wall, or combination thereof, which completely surrounds the *swimming pool* and obstructs access to the *swimming pool*.

COLLAR BEAM/TIE. A horizontal framing member connecting opposing rafter elements for stability.

COMMISSIONER. The Commissioner of the Department of Housing, Buildings and Construction.

DEPARTMENT. The Department of Housing, Buildings and Construction.

EGRESS ROOF ACCESS WINDOW. A skylight

or roof window designed and installed to satisfy the *emergency* escape and rescue opening requirements in Section R310.2.

FARM. Property having a bona fide agricultural or horticultural use as defined by KRS 132.010(9) and (10) which is qualified by and registered with the property valuation administrator in the county in which the property is located.

HOT TUB. See definition of *private swimming pool*.

INDUSTRIALIZED BUILDING SYSTEM or BUILDING

SYSTEM. Any *structure* or component thereof which is wholly or in substantial part fabricated in an off-site manufacturing facility for installation or assembly on a permanent foundation at the building site.

IN-GROUND POOL. See definition of *private swimming pool*.

KAR. Kentucky Administrative Regulation.

KNEE WALL. Any short wall used as a part of the support for a roof structure.

KRS. Kentucky Revised Statutes.

LANDING PLATFORM. A landing measuring two treads deep and two risers tall, provided as the top step of a stairway accessing a *loft*.

LOFT. Any floor level located above the main floor and open to it on at least one side, with a *ceiling height* less than 6 feet 8 inches (2032 mm), complying with the area, access, and guard requirements of Section AV104, and used as a living or sleeping space.

MANUFACTURED HOME. A single-family residential *dwelling* constructed in accordance with the federal act, manufactured after June 15, 1976, and designed to be used as a single-family residential *dwelling* with or without a permanent foundation when connected to the required utilities, and includes the plumbing, heating, air conditioning, and electrical systems contained therein. The manufactured home may also be used as a place of business, profession, or trade by the owner, the lessee, or the assigns of the owner or lessee and may comprise an integral unit or condominium structure. *Buildings* the construction of which is not preempted by the federal act are subject to building code requirements of KRS Chapter 198B.

MODULAR HOME. An industrialized building system which is designed to be used as a residence and which is not a *manufactured home* or mobile home.

ORDINARY REPAIR. Any nonstructural reconstruction or renewal of any part of an existing building for the purpose of its maintenance, or decoration, and shall include but not be limited to the replacement or installation of nonstructural components of the building such as roofing, siding, windows, storm windows, insulation, drywall or lath and plaster, or any other replacement, in kind, that does not alter the structural integrity, alter the occupancy or use of the building, or affect, by rearrangement, exitways and means of egress; but shall not include additions to, or alteration of, or relocation of any

standpipe, water supply, sewer, drainage, gas, soil, waste, vent or similar piping, electric wiring, or mechanical equipment including furnaces and hot water heaters or other work affecting public health or safety.

PERPENDICULAR LUMBER SHEATHING. For the

purposes of this code, any lumber sheathing, either spaced or laid side-by-side having an angle of intersection with the rafter or joist of 60 degrees or greater.

PRIVATE SWIMMING POOL. Any *structure* that contains water over 24 inches (610 mm) deep and which:

- a. is used, or intended to be used, for swimming or recreational bathing in connection with a Group R-3 occupancy; and
- b. is available only to the family and guests of the householder. This includes *swimming pools* constructed below grade on *site*, but not those assembled above grade on *site*.

PRIVATE SWIMMING POOL, OUTDOOR. Any *private swimming pool* that is not an indoor pool.

RATIONAL ANALYSIS. Alternative analytical calculations, experimental data, published design data or other referenced citations that have been approved for use by the building official.

REPAIR. The reconstruction or renewal of any part of an existing building for the purpose of its maintenance. See also "ordinary repair."

SPA. See definition of *private swimming pool*.

SWIMMING POOL. Any *structure* intended for swimming, recreational bathing or wading that contains water over 24 inches (610 mm) deep. This includes in-ground, pools, hot tubs, spas and fixed-in-place wading pools.

TINY HOUSE. A *dwelling* which is 400 or less square feet (37 m²) in floor area excluding *lofts*.

CHAPTER 3 BUILDING PLANNING

SECTION R301 DESIGN CRITERIA

R301.1.1 Alternative provisions. As an alternative to the requirements in Section R301.1, the following standards are permitted subject to the limitations of this code and the limitations therein. Where engineered design is used in conjunction with these standards the design shall comply with the *Kentucky Building Code*.

- American Forest and Paper Association (AF&PA) Wood Frame Construction Manual (WFCM).
- American Iron and Steel Institute (AISI) Standard for Cold-Formed Steel Framing – Prescriptive Method for One-and Two-Family Dwellings (COFS/PM) with Supplement to Standard for Cold-Formed Steel Framing – Prescriptive Method for One-and Two-Family Dwellings.
- 3. ICC Standard on the Design and Construction of Log Structures (ICC 400).
- 4. Federal Emergency Management Administration, Homebuilders' Guide to Earthquake Resistant Construction, FEMA 232-June 2006.
- 5. American Wood Council Prescriptive Residential Wood Deck Construction Guide (DCA6).
- 6. National Frame Builders Association Post Frame Building Design Manual.

R301.2 Climatic and geographic design criteria. Buildings shall be constructed in accordance with the provisions of this code as limited by the provisions of this section. Additional criteria shall be established as set forth in Tables R301.2 (1) and R301.2.2.1.

R301.2.2 Seismic provisions. The seismic provisions of this code shall apply to buildings constructed in Seismic Design Categories D_0 , D_1 , and D_2 , as determined in accordance with this section. Buildings in Seismic Design Category E shall be designed in accordance with the *Kentucky Building Code*, except when the Seismic Design Category is reclassified to a lower Seismic Design Category in accordance with Section R301.2.2.1.

Exceptions: The following types of buildings or structures are exempt from the seismic requirements of this code:

- 1. Detached one-and two-family dwellings, townhomes and their accessory structures located in Seismic Design Categories A, B or C.
- 2. Those dwellings which conform to the standards and principles set forth in the "Home Builder's Guide to Seismic Resistant Construction" issued by the Federal Emergency Management Agency (FEMA) in FEMA 232 (June 2006), which is incorporated by reference.
- 3. Where exceptions to the required provisions for Seismic Design Categories D_1 , and D_2 can be shown to be justified

by implementing the provisions of the *Kentucky Building Code*, a rational analysis design in accordance to the International Building Code may be used, subject to the approval of the *building official*.

R301.2.2.1 Determination of seismic design category. Buildings shall be assigned a seismic design category in accordance with Table R301.2.2.1.

R301.2.2.1.1 Alternate determination of seismic design category. The seismic design categories and corresponding short period design spectral response accelerations, S_{DS} shown in Table R301.2.2.1, are based on soil Site Class D, as defined in Section 1613.3.2 of the *Kentucky Building Code*. If soil conditions are other than Site Class D, the short period design spectral response accelerations, S_{DS} , for a site can be determined according to Section 1613.3 of the *Kentucky Building Code*. The value of S_{DS} determined according to Section 1613.3 of the *Kentucky Building Code* is permitted to be used to set the seismic design category according to Table R301.2.2.1.1, and to interpolate between values in Tables R602.10.1.3, R603.9.2(1) and other seismic design requirements of this code.

R301.2.2.1.2 Alternative determination of Seismic Design Category E. Section R301.2.2.1.2 of the 2015 IRC shall be DELETED in its entirety.

R301.2.2.4 Seismic Design Category E. Section R301.2.2.4 of the 2015 IRC shall be DELETED in its entirety.

R301.2.2.2.5 Irregular buildings. Prescriptive construction as regulated by this code shall not be used for irregular structures located in Seismic Design Categories D₀, D₁, and D₂. Irregular portions of structures shall be designed in accordance with accepted engineering practice to the extent the irregular features affect the performance of the remaining structural system. When the forces associated with the irregularity are resisted by a structural system designed in accordance with accepted engineering practice, design of the remainder of the building shall be permitted using the provisions of this code. A building or portion of a building shall be considered to be irregular when one or more of the following conditions occur:

 When shear wall lines or braced wall panels are not in one plane vertically from the foundation to the uppermost story in which they are required.

Exception: For wood light-frame construction, floors with cantilevers, offsets, or setbacks not exceeding four times the nominal depth of wood floor joists are permitted to support braced wall panels that are out of plane with braced wall panels below provided that:

$TABLE\ R301.2\ (1) \\ DESIGN\ SNOW,\ CLIMATIC\ AND\ GEOMETRIC\ DESIGN\ CRITERIA\ FOR\ KENTUCKY\ COUNTIES$

COUNTY	GROUND SNOW LOAD pg (psf) ^a	COUNTY	GROUND SNOW LOAD pg (psf) ^a	COUNTY	GROUND SNOW LOAD pg (psf) ^a	COUNTY	GROUND SNOW LOAD pg (psf) ^a
Adair	15	Edmonson	15	Knox	15	Nicholas	15
Allen	15	Elliott	15	Larue	15	Ohio	15
Anderson	15	Estill	15	Laurel	15	Oldham	15
Ballard	15	Fayette	15	Lawrence	15	Owen	15
Barren	15	Fleming	15	Lee	15	Owsley	15
Bath	15	Floyd	20	Leslie	20	Pendleton	15
Bell	15 ^b	Franklin	15	Letcher	20°	Perry	15
Boone	20	Fulton	15	Lewis	20	Pike	15
Bourbon	15	Gallatin	20	Lincoln	15	Powell	15
Boyd	20	Garrard	15	Livingston	15	Pulaski	15
Boyle	15	Grant	20	Logan	15	Robertson	15
Bracken	20	Graves	15	Lyon	15	Rockcastle	15
Breathitt	15	Grayson	15	Madison	15	Rowan	15
Breckinridge	15	Green	15	Magoffin	15	Russell	15
Bullitt	15	Greenup	20	Marion	15	Scott	15
Butler	15	Hancock	15	Marshall	15	Shelby	15
Caldwell	15	Hardin	15	Martin	20	Simpson	15
Calloway	15	Harlan	15 ^b	Mason	20	Spencer	15
Campbell	20	Harrison	15	McCracken	15	Taylor	15
Carlisle	15	Hart	15	McCreary	15	Todd	15
Carroll	20	Henderson	15	McLean	15	Trigg	15
Carter	15	Henry	20	Meade	15	Trimble	20
Casey	15	Hickman	15	Menifee	15	Union	15
Christian	15	Hopkins	15	Mercer	15	Warren	15
Clark	15	Jackson	15	Metcalfe	15	Washington	15
Clay	15	Jefferson	15	Monroe	15	Wayne	15
Clinton	15	Jessamine	15	Montgomery	15	Webster	15
Crittenden	15	Johnson	15	Morgan	15	Whitley	15
Cumberland	15	Kenton	20	Muhlenberg	15	Wolfe	15
Daviess	15	Knott	20	Nelson	15	Woodford	15
WIND DESIG	ŝN			V _{ult} shall be 115 investigated. d,		s) for all Kentuc	cky counties.
SEISMIC DES CATEGORY	SIGN	·		all be in accorda			
WEATHERIN	NG			concrete shall be ents of Table R4		SEVERE for all	Kentucky
FROST LINE	DEPTH	•		dance to Table			
TERMITE PR	OTECTION	OTECTION Termite infestation probability shall be MODERATE TO HEAVY for all Kentucky counties.					
FLOOD HAZ	ARDS	Buildings in id R301.2.4.	dentified flood	lways shall be d	esigned in acc	ordance to Sect	ion

TABLE R301.2 (1)

DESIGN SNOW, CLIMATIC AND GEOMETRIC DESIGN CRITERIA FOR KENTUCKY COUNTIES (continued)

For SI: 1 pound per square foot (psf) = 0.0479 kN/m^2 .

- a. Listed values of ground snow load, pg, shall be used in accordance to Section R301.2.3 of this code.
- b. Ground snow load values for elevations above 2600 feet (792.480 m) in this county shall be based on site-specific case studies or by other approved means of rational analysis.
- c. Ground snow load values for elevations above 2500 feet (762 m) in this county shall be based on site-specific case studies or by other approved means of rational analysis.
- d. See Section 301.2.1.3 for conversion to nominal design wind speeds, V_{asd} when reference documents are based on nominal or ASD speeds.
- e. See Section 602.12 for alternative methods for wind design.
 - 1. Floor joists are nominal 2 inches by 10 inches (51 mm by 254 mm) or larger and that: spaced not more than 16 inches (406 mm) on center.
 - 2. The ratio of the back span to the designed cantilever is at least 2 to 1.
 - Floor joists at ends of braced wall panels are doubled.
 - 4. For wood-frame construction, a continuous rim joist is connected to ends of all cantilever joists. When spliced, the rim joists shall be spliced using a galvanized metal tie not less than 0.58 inch (1.5mm) (16 gage) and 1 ½ inches (38mm) wide fastened with six 16d nails on each side of the splice or a block of the same size as the rim joist of sufficient length to fit securely between the joist space at which the splice occurs, fastened with eight 16d nails on each side of the splice; and
 - 5. Gravity loads carried at the end of cantilevered joists are limited to uniform wall and roof loads and the reactions from headers having a span of 8 feet (2438mm) or less.
- 2. When a section of floor or roof is not laterally supported by shear walls or *braced wall panels* on all edges.

Exceptions:

- Portions of floors that do not support shear walls or braced wall panels above, or roofs, shall be permitted to extend no more than 6 feet (1829 mm) beyond a shear wall or braced wall line.
- 2. Portions of floors that do not support shear walls or braced wall panels above or roofs, shall be permitted to extend no more than 25 feet (7620mm) or two-thirds of the width of the cantilever portion, whichever is less, beyond a shear wall or braced wall line provide that:
 - a. If a roof deck, the overhang is continuously braced by a wood truss designed for the

- lateral load effects of the overhang, or the shear walls or braced wall panels between the roof deck and ceiling. The bracing element shall be directly over the line of the lower braced wall system.
- b. All unsupported deck edges are continuously blocked and all edges are nailed with 8d common nails on not greater than 6" (152mm) on centers.
- A continuous double rim joist matching the dimensions of the joists, purlins or rafters is provided along the three open sides.
- 3. When the end of a braced wall panel occurs over an opening in the wall below and ends at a horizontal distance greater than 1 foot (305 mm) from the edge of the opening. This provision is applicable to shear walls and braced wall panels offset in plane and to braced wall panels offset out of plane as permitted by the exception to item 1 above.

Exception: For wood light-frame wall construction, one end of a braced wall panel shall be permitted to extend more than 1 foot (305 mm) over an opening not more than 8 feet (2438 mm) wide in the wall below provided that the opening includes a header in accordance with the following:

- 1. The building width, loading condition and framing member species limitations of Table R502.5(1) shall apply and
- 2. Not less than one 2x12 or two 2x10 for an opening not more than 4 feet (1219 mm) wide or
- 3. Not less than two 2x12 or three 2x10 for and opening not more than 8 feet (1829 mm) wide or
- 4. Not less than three 2 x 12 or four 2 x 10 for an opening not more than 8 feet (2438 mm) wide and
- 5. The entire length of the braced wall panel does not occur over an opening in the wall below.

TABLE R301.2.2.1 SEISMIC DESIGN CATEGORIES-SITE CLASS D

COUNTY	SEISMIC DESIGN CATEGORY	COUNTY	SEISMIC DESIGN CATEGORY	COUNTY	SEISMIC DESIGN CATEGORY	COUNTY	SEISMIC DESIGN CATEGORY
Adair	В	Edmonson	В	Knox	В	Nicholas	В
Allen	В	Elliott	В	Larue	В	Ohio	С
Anderson	В	Estill	В	Laurel	В	Oldham	В
Ballard	D_2	Fayette	В	Lawrence	В	Owen	В
Barren	В	Fleming	В	Lee	В	Owsley	В
Bath	В	Floyd	В	Leslie	В	Pendleton	В
Bell	В	Franklin	В	Letcher	В	Perry	В
Boone	A	Fulton	D_2	Lewis	В	Pike	В
Bourbon	В	Gallatin	В	Lincoln	В	Powell	В
Boyd	В	Garrard	В	Livingston	D_1	Pulaski	В
Boyle	В	Grant	В	Logan	C	Robertson	В
Bracken	В	Graves	D_2	Lyon	D_0	Rockcastle	В
Breathitt	В	Grayson	С	Madison	В	Rowan	В
Breckinridge	С	Green	В	Magoffin	В	Russell	В
Bullitt	В	Greenup	В	Marion	В	Scott	В
Butler	С	Hancock	С	Marshall	D_1	Shelby	В
Caldwell	D_0	Hardin	В	Martin	В	Simpson	В
Calloway	D_1	Harlan	В	Mason	В	Spencer	В
Campbell	A	Harrison	В	McCracken	D_2	Taylor	В
Carlisle	D_2	Hart	В	McCreary	В	Todd	С
Carroll	В	Henderson	С	McLean	С	Trigg	D_0
Carter	В	Henry	В	Meade	В	Trimble	В
Casey	В	Hickman	D_2	Menifee	В	Union	D_0
Christian	С	Hopkins	С	Mercer	В	Warren	В
Clark	В	Jackson	В	Metcalfe	В	Washington	В
Clay	В	Jefferson	В	Monroe	В	Wayne	В
Clinton	В	Jessamine	В	Montgomery	В	Webster	С
Crittenden	D_0	Johnson	В	Morgan	В	Whitley	В
Cumberland	В	Kenton	A	Muhlenberg	С	Wolfe	В
Daviess	С	Knott	В	Nelson	В	Woodford	В

4. When an opening in a floor or roof exceeds the lesser of 12 feet (3657 mm) or 50 percent of the least floor of roof dimension.

Exception: The opening is bounded by braced walls within four feet of the opening on all four sides and running the full height of the structure. The braced walls shall bear on continuous foundations walls or the basement slab.

5. When portions of a floor level are vertically offset.

Exceptions:

- 1. Framing supported directly by continuous foundations at the perimeter of the building.
- 2. For wood light-frame construction, floors shall be permitted to be vertically offset when the floor framing is lapped or tied together as required by Section R502.6.1.
- 3. The offset occurs at a braced wall system over continuous foundations or a basement slab.
- When shear walls and braced wall lines do not occur in two perpendicular directions.
- 7. When stories above-grade partially or completely braced by wood wall framing in accordance with Section R602 or steel framing in accordance with Section R603 include masonry or concrete construction.

Exception: Fireplaces, chimneys, and masonry veneer as permitted by this code. When this irregularity applies, the entire story shall be designed in accordance with accepted engineering practice.

- 8. Where only one side of the section is unbraced, the length perpendicular to the unbraced side shall not exceed 25 feet nor have a ratio to the unbraced dimension of 1 for a one-story structure or 0.67 for other structures, whichever is less, provided:
 - a. All unsupported deck edges within the section are continuously blocked and all edges are nailed with 8d common nails on not greater than 6-inch (152 mm) on center.
 - b. A continuous rim joist matching the dimensions of the joists, purlins or rafters is provided along the unbraced side. On the other three sides, there shall be a continuous joist, rim joist or blocking directly over the braced walls.

SECTION R302 FIRE-RESISTANT CONSTRUCTION

R302.1 Exterior walls. Construction, projections, openings and penetrations of exterior walls of dwellings and accessory buildings shall comply with Table R302.1(1).

Exceptions:

- 1. Walls, projections, openings, or penetrations in walls perpendicular to the line used to determine the *fire separation distance*.
- 2. Walls of *dwellings* and *accessory structures* located on the same *lot*.
- 3. Detached tool sheds and storage sheds, playhouses, and similar structures exempted from permits are not required to provide wall protection based on location on the *lot*. Projections beyond the *exterior wall* shall not extend over the *lot line*.
- 4. Detached garages accessory to a *dwelling* located within 2 feet (610 mm) of a *lot line* are permitted to have roof eave projections not exceeding 4 inches (102 mm).
- 5. Foundation vents installed in compliance with this code are permitted.
- 6. For building applications that have received local zoning approvals for plats or for preliminary concept or master plans prior to July 1, 2007, dwellings with a *fire separation distance* of less than three (3) feet from the property line shall be required to have at least a one-hour fire resistance rating and exposure from both sides and openings shall not be permitted. Projections and penetrations shall comply with Table R302.1(1).
- 7. Minimum fire separation distances for exterior walls may be decreased to a minimum of three (3) feet from the property line if the exterior wall of the dwelling on the adjacent site is held by deed or other recorded land restriction at a distance from the property line which affords at least ten (10) feet between the exterior walls of the dwellings. Projections more than 12 inches beyond the exterior wall are prohibited.

Table R302.1 (1) Exterior Walls

Exterior Wall Element		Minimum Fire-Resistance Rating	Minimum Fire Separation distance
Walls	Fire-resistance rated	1 hour – tested in accordance with ASTM E 119 or UL 263 with exposure from both sides	< 5 feet
	Non fire-resistance rated	0 hours	≥ 5 feet
Projections	Fire-resistance rated	1 layer 5/8 type exterior sheetrock or other approved material on the underside	≥ 2 feet to < 4 feet
	Not fire-resistance rated	0 hours	≥ 5 feet
Openings	Not allowed	N/A	< 3 feet
	25% maximum of wall area ^a	0 hours	< 5 feet to > 3 feet
	Unlimited	0 hours	> 5 feet
Penetrations	All	Comply with Section R302.4	< 5 feet
		None required	> 5 feet
	25% maximum of wall area ^a	0 Hours	< 5 feet to > 3 feet

a. Shall be the aggregate of Openings and Penetrations in walls that are > 3 feet and < 5 feet to a property line.

R302.1.1 Continuity. The fire-resistance rated wall shall be continuous from the foundation to the underside of the roof sheathing, deck, or slab, and shall extend the full length of the wall or assembly, to a point where the fire separation distance no longer would require a fire-resistance rating of the exterior wall.

R302.1.2 Parapets. Parapets shall be constructed on exterior walls of buildings in accordance with Section R302.2.3 and R302.3.

Exceptions. A parapet need not be provided on an exterior wall where any of the following conditions exist:

- 1. The wall is not required to be fire-resistance rated in accordance with Table R302.1(1).
- When the entire building is provided with a Class C roof covering, the exterior walls shall be permitted to terminate at the underside of the roof sheathing or deck provided:
 - 2.1. The roof sheathing or deck is constructed of approved noncombustible materials or of fire

- retardant-treated wood for a distance of 4 feet (1220mm); or
- 2.2. The roof is protected with one layer of 5/8 (15.9mm) Type X gypsum board directly beneath the roof sheathing or deck, supported by a minimum of nominal 2-inch (51mm) ledgers attached to the sides of the roof framing members for a minimum distance of 4 feet (1220mm).
- 3. Where the exterior wall is permitted to have a maximum of 25% unprotected openings based on fire separation distance based on Table R302.1(1).

R302.2 Townhouses. Each *townhouse* shall be considered a separate building and shall be separated by fire-resistance-rated wall assemblies meeting the requirements of Section R302.1 for exterior walls.

Exception: A common 2-hour fire-resistance-rated wall assembly tested in accordance with ASTM E 119 or UL 263 is permitted for townhouses if such walls do not contain plumbing or mechanical equipment, ducts or vents in the cavity of the common wall. The wall shall be rated for fire exposure from both sides and shall extend to and be tight

against exterior walls and the underside of the roof sheathing. Electrical installations shall be in accordance with NFPA 70. Penetrations of electrical outlet boxes shall be in accordance with Section R302.4.

R302.5.1 Opening protection. Openings from a private garage directly into a room used for sleeping purposes shall not be permitted. Other openings between the garage and the residence shall be equipped with solid wood doors not less than 1 3/8 inches (35mm) in thickness, solid or honeycomb-core steel doors not less than 1 3/8 inches (35mm) thick, or 20-minute fire-rated doors.

R302.13 Fire protection of floors. Section R302.13 of the 2015 IRC shall be DELETED in its entirety.

SECTION R310 EMERGENCY ESCAPE AND RESCUE OPENINGS

R310.1 Emergency escape and rescue. Every sleeping room shall have at least one operable emergency escape and rescue opening. Where basements contain one or more sleeping rooms, emergency escape and rescue openings shall be required in each sleeping room, but shall not be required in adjoining areas of the basement. Where emergency escape and rescue openings are provided they shall have a sill height of not more than 44 inches (1118 mm) measured from the finished floor to the bottom of the clear opening. Where a door opening having a threshold below the adjacent ground elevation serves as an emergency escape and rescue opening an is provided with a bulkhead enclosure, the bulkhead enclosure shall comply with Section R310.3. The net clear opening dimensions required by this section shall be obtained by the normal operation of the emergency escape and rescue opening from the inside. Emergency escape and rescue openings with a finished sill height below the adjacent ground elevation shall be provided with a window well in accordance with Section R310.2. Emergency escape and rescue openings shall open directly into a public way, or to a yard or court that opens to a public way.

R310.1 Emergency escape and rescue opening required. Section R310.1, Exception of the 2015 IRC shall be DELETED in its entirety.

R310.5 Dwelling additions. Section R310.5 of the 2015 IRC shall be DELETED in its entirety.

R310.6 Alterations or repairs of existing basements. Section R310.6 of the 2015 IRC shall be DELETED in its entirety.

SECTION R311 MEANS OF EGRESS

R311.2 Egress Doors. Not less than one egress door shall be provided for each *dwelling* unit. The egress door shall be side hinged, and shall provide a clear width of not less than 32 inches (813 mm) where measured between the face of the door and the stop, with the door open 90 degrees (1.57 rad). The clear height of the door opening shall be not less than 78 inches (1981 mm) in height measured from the top of the threshold to the bottom of the stop. Egress doors shall be readily openable from inside the *dwelling* without the use of a key or special knowledge or effort.

R311.3.1 Floor elevations at the required egress doors. Landings or finished floors at the required egress door shall not be more than 1 ½ inches (38mm) lower than the top of the threshold.

Exception: The landing or floor on the exterior side shall not be more than 8 ¼ inches (210mm) below the top of the threshold provided the door does not swing over the landing or floor.

R311.3.2 Floor elevations for other exterior doors. Doors other than the required egress door shall be provided with landings or floors not more than 8 ½ inches (210mm) below the top of the threshold.

Exception: Other than the required egress door, where the vertical elevation measured between the interior finish floor and the exterior finish grade, patio, or deck does not exceed 30 inches, a landing is not required for the exterior side of the door provided the door, other than an exterior storm or screen door, does not swing over the stairway.

R311.4 Vertical egress. Egress from habitable levels shall be by a ramp in accordance with Section R311.8 or a stairway in accordance with Section R311.7.

R311.7.5.1 Risers. The maximum riser height shall be 8 \(^{1}\)4 inches (210 mm). The riser shall be measured vertically between leading edges of the adjacent treads. The greatest riser height within any flight of stairs shall not exceed the smallest by more than 3/8 inch (9.5 mm). Risers shall be vertical or sloped from the underside of the nosing of the tread above at an angle not more than 30 degrees (0.51 rad) from the vertical. Open risers are permitted provided that the opening between the treads does not permit the passage of a 4-inch (102mm) diameter sphere.

Exception: The opening between adjacent treads is not limited on stairs with a total rise of 30 inches (762mm) or less.

R311.7.5.2 Treads. The minimum tread depth shall be 9 inches (229 mm). The tread depth shall be measured horizontally between the vertical planes of the foremost projection of adjacent treads and at a right

angle to the tread's leading edge. The greatest tread depth within any flight of stairs shall not exceed the smallest by more than 3/8 inch (9.5 mm).

R311.7.5.2.1 Winder treads. Winder treads shall have a minimum tread depth of 9 inches (229 mm) measured between the vertical planes of the foremost projection of adjacent treads at the intersections with the walk line. Winder treads shall have a minimum tread depth of 6 inches at any point within the clear width of the stair. Within any flight of stairs, the largest winder tread depth at the walk line shall not exceed the smallest winder tread by more than 3/8 inch (9.5mm). Consistently shaped winders at the walk line shall be allowed within the same flight of stairs as rectangular treads and do not have to be within 3/8 inch (9.5mm) of the rectangular tread depth.

R311.7.8.2 Continuity. Handrails for stairways shall be continuous for the full length of the flight, from a point directly above the top riser of the flight to a point directly above the lowest riser of the flight. Handrail ends shall be returned or shall terminate in newel posts or safety terminals. Handrails adjacent to a wall shall have a space of not less than 1 ½ inch (38) between the wall and the handrails.

Exceptions:

- 1. Handrails shall be permitted to be interrupted by a newel post at the turn.
- The use of a volute, turnout, starting easing or starting newel shall be allowed over the lowest tread.
- 3. Handrails within a dwelling unit shall be permitted to be discontinuous between the top and bottom of a flight of stairs where the ends of the discontinued rail are returned to a wall or post and the maximum distance between the ends of discontinued rails is not greater than 4 inches (102 mm).

R311.7.8.3 Grip-size. All required handrails shall be of one of the following types or provide equivalent graspability.

1. **Type I.** Handrails with a circular cross section shall have an outside diameter of at least 1 ¼ inches (32 mm) and not greater than 2 5/8 inches (67 mm). Other handrail shapes, including those complying with Figure R311.7 (a-f) are considered to be equivalent in graspability. If the handrail is not

circular it shall have a perimeter dimension of at least 4 inches (102 mm) and not greater than 6 ½ inches (160 mm) with a maximum cross section of dimension of 2 ½ inches (57 mm).

2. **Type II.** Handrails with a perimeter greater than 6 ¼ inches (160 mm) shall provide a graspable finger recess area on both sides of the profile. The finger recess shall begin within a distance of ¾ inch (19 mm) measured vertically from the tallest portion of the profile and achieve a depth of at least 5/16 inch (8 mm) with 7/8 inch (22 mm) below the widest portion of the profile. This required depth shall continue for at least 3/8 inch (10 mm) to a level that is not less than 1 ¾ inches (45 mm) below the tallest portion of the profile. The minimum width of the handrail above the recess shall be 1 ¾ inches (32 mm) to a maximum of 2 ¾ inches (70 mm). Edges shall have a minimum radius of 0.01 inch (0.25 mm).

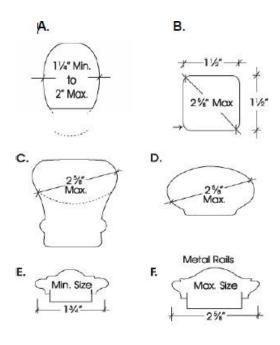


Figure 311. 7

For SI: 1 inch =25.4 mm; 1 degree = 0.018 rad

SECTION R312 GUARDS AND WINDOW FALL PROTECTION

R312.2 Guards at retaining walls. Where retaining walls with differences in grade level on either side of the wall is in excess of 30 inches and are located closer than 3 feet to a walk, designated walking path, or driveway on the high side, such retaining wall shall be provided with guards that are

constructed in accordance with Section R312.1.2 and R312.1.3.

R312.2.1 Window sills. Section R312.2.1 of the 2015 IRC shall be DELETED in its entirety.

R312.2.2 Window opening control devices. Section R312.2.2 of the 2015 IRC shall be DELETED in its entirety.

SECTION R313 AUTOMATIC FIRE SPRINKLER SYSTEMS

R313 Automatic Fire Sprinkler Systems. Section R313.1 through R313.2.1 of the 2015 IRC shall be DELETED in their entirety.

SECTION R326 SWIMMING POOLS, SPAS, AND HOT TUBS

R326.1 General. The provisions of this section shall control the design and construction of *swimming pools*, *spas*, and *hot tubs* installed in or on the *lot* of a one- or two-family dwelling.

R326.2 Definitions. The following terms are defined in Chapter 2:

BARRIER HOT TUB IN-GROUND POOL PRIVATE SWIMMING POOL PRIVATE SWIMMING POOL, INDOOR PRIVATE SWIMMING POOL, OUTDOOR SPA SWIMMING POOL

R326.3 Pools in flood hazard areas. *Swimming pools* that are located in flood hazard areas established by the local *jurisdiction* or the flood plain manager including in-ground *swimming pools* that involve placement of fill, shall comply with Section R326.3.1 or R326.3.2.

Exception: *Swimming pools* located in riverine flood hazard areas which are outside of designated floodways.

R326.3.1 Pools located in designated floodways. Where *swimming pools* are located in designated floodways, documentation shall be submitted to the *building official* that demonstrates that the construction of the *swimming pool* will not increase the design flood elevation at any point within the *jurisdiction*.

R326.3.2 Pools located where floodways have not been designated. Where *swimming pools* are located where design flood elevations are specified but floodways have not been designated, the applicant shall provide a floodway analysis that demonstrates that the proposed *swimming pool* will not increase the design flood elevation more than 1 foot (305 mm) at any point within the *jurisdiction*.

R326.4 In-ground pools. In-ground *swimming pools* shall be designed and constructed in compliance with ANSI/NSPI-5.

R326.5 Above-ground and on-ground pools. Aboveground and on-ground *swimming pools* shall be designed and constructed in compliance with ANSI/NSPI-4.

R326.6 Pools in flood hazard areas. *Swimming pools* in flood hazard areas established by Table R301.2 (1) shall be designed and constructed in compliance with ASCE 24.

R326.7 Permanently installed spas and hot tubs. Permanently installed *spas* and *hot tubs* shall be designed and con-structed in compliance with ANSI/NSPI-3.

R326.8 Barrier Requirements. The provisions of this section shall control the design of barriers for residential *swimming pools*. These design controls are intended to provide protection against potential drownings and near - drownings by restricting access to *swimming pools*.

R326.8.1 Outdoor swimming pool. An outdoor inground *swimming pool* shall be surrounded by a barrier, which shall comply with the following:

- 1. The top of the barrier shall be at least 48 inches (1219 mm) above grade measured on the side of the barrier, which faces away from the *swimming pool*. The maximum vertical clearance between grade and the bottom of the barrier shall be 4 inches (102 mm) measured on the side of the barrier, which faces away from the *swimming pool*.
- 2. Openings in the barrier shall not allow the passage of a 4-inch-diameter (102 mm) sphere.
- 3. Solid barriers which do not have openings, such as a masonry or stone wall, shall not contain indentations or protrusions, except for normal construction tolerances and tooled masonry joints.
- 4. Where the barrier is composed of horizontal and vertical members, and the distance between the tops of the horizontal members is less than 24 inches (610 mm), the horizontal members shall be located on the *swimming pool* side of the fence. Spacing between vertical members shall not exceed 1 3/4 inches (44 mm) in width. Where there are decorative cutouts within vertical members, spacing within the cutouts shall not exceed 1 3/4 inches (44 mm) in width.

Exception: When intermediate horizontal members are located 34 inches (864 mm) or more above grade, the spacing between vertical members

shall not exceed 4 inches (102 mm) in width.

- 5. Where the barrier is composed of horizontal and vertical members, and the distance between the tops of the horizontal members is 24 inches (610 mm) or more, spacing between vertical members shall not exceed 4 inches (102 mm). Where there are decorative cutouts within vertical members, spacing within the cutouts shall not exceed 1 3/4 inches (44 mm) in width.
- 6. Maximum mesh size for chain link fences shall be a 2 1/4-inch (57 mm) square, unless the fence has slats fastened at the top or the bottom which reduce the openings to not more than 1 3/4 inches (44 mm).
- 7. Where the barrier is composed of diagonal members, such as a lattice fence, the maximum opening formed by the diagonal members shall not be more than 1 3/4 inches (44 mm).
- 8. Access gates shall comply with the requirements of items 1 through 7, and shall be equipped to accommodate a locking device. Pedestrian access gates shall open outward away from the *swimming pool*, and shall be self-closing and have a self-latching device. Gates, other than pedestrian access gates, shall have a self-latching device. Where the release mechanism of the self-latching device is located less than 48 inches (1219 mm) above grade from the bottom of the gate, the release mechanism and openings shall comply with the following:
 - 8.1. The release mechanism shall be located on the *swimming pool* side of the gate at least 3 inches (76 mm) below the top of the gate; and
 - 8.2. The gate and barrier shall have no opening larger than 1/2 inch (12.7 mm) within 18 inches (457 mm) of the release mechanism.
- 9. Where a wall of a dwelling serves as part of the barrier, one of the following conditions shall be met:
 - 9.1. The *swimming pool* shall be equipped with a powered safety cover in compliance with ASTM F 1346;
 - 9.2. Doors with direct access to the *swimming pool* through that wall shall be equipped with an alarm that produces an audible warning when the door and its screen, if present, are opened. The alarm shall be listed and labeled in accordance with UL 2017. The deactivation switch(es) shall be located at least 54 inches (1372 mm) above the threshold of the door; or
 - 9.3. Other means of protection, such as self-closing doors with self-latching devices, which are approved by the

authority having jurisdiction, shall be acceptable as long as the degree of protection afforded is not less than the protection afforded by Item 9.1 or 9.2 described herein.

R326.8.2 Indoor swimming pool. Walls surrounding an indoor swimming pool shall comply with Item 9 of Section R926.6.2.

R326.8.3 Prohibited locations. Barriers shall be located to prohibit permanent structures, *equipment*, or similar objects from being used to climb them.

R326.8.4 Barrier exceptions. *Spas* or *hot tubs* with a safety cover that comply with ASTM F 1346 shall be exempt from the provisions of this section.

R326.9 Locations. Private *swimming pools* shall not encroach on any front or side yard required by this code or by the governing zoning laws, unless in accordance with specific rules of the *jurisdiction* in which the *swimming pool* is located. A wall of a *swimming pool* shall not be located less than 6 feet (1829mm) from any rear or side property lines or 10 feet (3048mm) from any street property line, unless in accordance with the specific rules of the *jurisdiction* in which the *swimming pool* is located.

R326.10 Entrapment Protection for Swimming Pool and Spa Suction Outlets. Suction outlets shall be designed and installed in accordance with ANSI/APSP-7.

SECTION R327 POST AND FRAME STRUCTURES

- **R327.1 Post and frame structures.** The following requirements serve as minimum standards for post and frame structures within all of the following structural limitations:
- 1. Residential accessory structures;
- 2. Single story;
- 3. Metal roof on purlins with bracing and metal wall panels on girts, with bracing as shown in Figure R327.1 or in lieu of bracing provide solid exterior structural sheathing;
- 4. No attic storage;
- 5. Maximum building width of 48 feet including the overhang;
- 6. Maximum wall height of 16 feet;
- 7. Maximum mean roof height of 20 feet; and
- 8. Maximum post spacing of 8 feet.

Post and frame structures and portions thereof outside the above structural limitations of this standard shall be accompanied by structural calculations as required by the residential *building official* or designed under the provisions of section R106.1 of the this code. Post and

frame structure shall comply with the structural design requirements of Section R301 of this code or the alternative provisions (Post Frame Building Design Manual) referenced in Section 301.1.1.

R327.2 Definition. Post and frame structures consist of primary members (post, beams and single span trusses or ceiling joists and rafters) and secondary members (roof purlins, wall girts, bracing, and sheathing) where all loads are transmitted from the sheathing and the secondary members to the primary members, which transfer them to the ground through vertical posts bearing on footings embedded in the soil. See Figure R327.1.

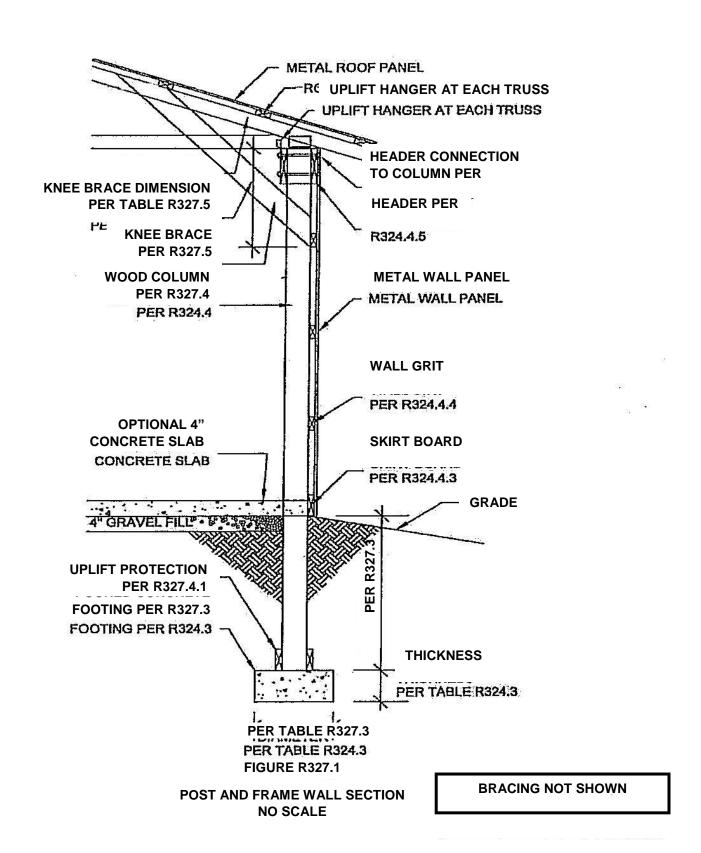
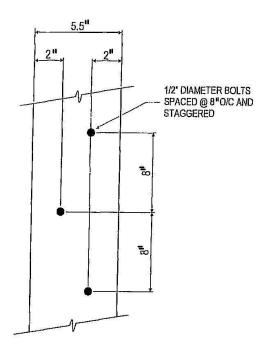


TABLE R327.3 POST FRAME PIER DIAMETERS

Building width (length of truss) including overhang (feet)									
	25	28	32	36	40	44	48		
Diameter (inches) 20 lb. Roof Snow Load	18	22	24	26	28	28	30		
Diameter (inches) 30 lb. Roof Snow Load	24	26	28	28	30	30	32		

- 1. Pier footing thickness shall be a minimum one-half of the diameter of the footing.
- 2. Based upon 2000 PSF soil bearing capacity and truss loads of 20 or 30 PSF live or snow load top chord, 10 PSF dead load top chord, 5 PSF dead load on the bottom chord and no live load on the bottom chord.
- 3. Fractional widths shall be rounded to the next higher pier footing diameter.



BUILT UP COLUMN FASTENING DETAIL FIGURE R327.2

R327.3 Footings and Foundations. Footings and foundations shall comply with applicable provisions of R401. Post and frame structures shall have poured in-placeconcrete footings installed below all posts. The top of the footing shall be a minimum of 48 inches below finished grade and have footing diameters complying with Table R327.3.

R327.4 Column and wall construction. Columns shall be three sections of 4-ply unspliced, reinforced spliced, or solid wood and shall not be less than 6-inch by 6-inch nominal size. Columns shall comply with the requirements of Section R318 and shall be restrained to prevent lateral displacement. Built up columns shall be fastened as illustrated in Figure R327.2.

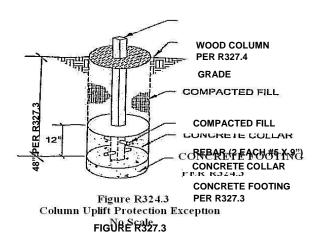
R327.4.1 Column uplift protection. Columns shall have uplift protection by one of the following methods:

- Two 2x6 12 inch column uplift protection blocks attached to each side of the base of the column. The column uplift protection blocks must be placed horizontally, attached per Table R327.7 and comply with Section R318.
- 2. 12 inch high, concrete collar poured on top of footing around the post with 2 #5x9 inch rebar placed through the post at 3 inches and 9 inches from bottom of post in opposite directions. The rebar ends shall be installed in accordance with ACI 332 for the specified distance in inches from contact with the soil. See Figure R327.3

R327.4.2 Column spacing. The maximum spacing for columns shall be 8 feet.

R327.4.3 Skirt boards. Skirt boards shall be treated lumber meeting the requirements of Section R318 and attached per Table R327.7.

R327.4.4 Wall girts. Girts shall be a minimum 2x4 spaced not more than 24 inches on center and attached per Table R327.7.



COLUMN UPLIFT PROTECTION EXCEPTION NO SCALE

R327.4.5 Load bearing beams and headers. Load bearing beams and headers shall comply with Table R502.5 (1).

Exceptions:

- Bearing beams are not required if the trusses or ceiling joists and rafters bear directly on the columns.
- 2. Opening on the gable end walls of post and frame buildings supporting a door or roof total load not exceeding 5 square feet per lineal feet of wall area, headers must be sized per Table R327.4.5.

TABLE R327.4.5 GABLE END HEADER SIZES

Opening Width (feet)	10	12	16
Header Size (inches)	2 - 2x8	2 - 2x10	2 – 2x12

R327.4.6 Exterior Structural Sheathing or Wall Bracing. Provide exterior structural sheathing or wall bracing to resist all racking and shear forces. Bracing must comply with the applicable provisions of section R602.10 or by installing 2x6 diagonal braces between two adjoining columns at 8 feet on center or multiple spacing totaling a minimum of 8 feet on center where the post spacing design is less than 8 feet on center. The diagonal brace shall be placed from the top header or girt to the next adjoining column at the skirt board. The bracing shall be installed on each side of the building and shall be a minimum of 25 feet on center and within 12 feet of the end of the building and attached to the wall girts and columns per Table R327.7. Any splices of the diagonal brace required due to excessive length, must lap over two consecutive wall girts.

R327.4.7 Beams supporting trusses or rafters and ceiling joists attachment to column. Bearing beams supporting roof trusses or rafters and ceiling joists shall be connected to columns by one of the following methods:

- 1. Bolts that are 1/2 inch diameter through-bolted to the side of the column:
- 2. Bolts that are 1/2 inch diameter, directly attached to a 3-ply column notch, enclosing the truss or rafter at the top of column; or
- Other fasteners with minimum shear or withdraw values stated in Table R327.4.7.

R327.4.7.1 Number of fasteners. The minimum numbers of through bolts or the fasteners with minimum shears or withdraw values required per Table R327.4.7.

R327.5 Knee bracing. A 2x6 brace shall extend from the column to the top chord of the truss or rafter adjacent to the post at a 45 degree angle. The vertical distance down from the bottom chord of the truss or ceiling joist to the point where

the brace attaches to the post shall be in compliance with Table R327.5 as shown on Figure R327.1. Trusses or rafter must be spaced such that they align with the column intervals. Attachment of knee brace shall be per Table R327.7.

TABLE R327.5 KNEE BRACE VERTICAL DISTANCE

Wall Height	Vertical Dimension
8'-0" and 9'-0"	1'-6"
10'-0" and 11'-0"	2'-0''
12'-0" and 13'-0"	3'-0"
14'-0" through 16'-0"	4'-0''

R327.6 Roof Construction. Top chord of roof trusses or roof rafters shall be braced with exterior sheathing or metal roof on purlins with bracing.

R327.6.1 Roof Purlins. Roof purlins shall be a minimum of 4x2 SPF #2 laid flat of spans up to 4 feet, and 4x2 SPF #2 laid on edge for spans up to 8 feet.

R327.6.2 Roof Bracing. Provide exterior structural sheathing or bracing to resist racking and shearing forces in roof Bracing shall occur in the roof on all 4 sides of the building and shall consist of 2x6 diagonal braces perpendicular and parallel to rafters or trusses and attached to the bottom side of rafters or top chords of trusses. These braces shall start at a point just below the first purlin, rafter, or truss in from the eave purlin and at each corner column. The brace shall be placed on a 45-degree angle and end below the location of a purlin, rafter, or truss within 8'-0" in from the wall. If the building width or length exceeds 24'-0" then install additional braces in the same manner. Spacing of braces shall not exceed a maximum spacing of 2 feet on center in any direction.

R327.7 Attachment details. Structural fastener details for post and frame buildings shall comply with Table R327.7.

TABLE R327.4.7 BEAM OR TRUSS CONNECTION AT COLUMNS MINIMUM FASTENERS OR TOTAL SHEAR OR WITHDRAW VALUES

Building width (length of truss) including overhang (feet)									
	24	28	32	36	40	44	48		
Shear or withdraw (pounds) 20# snow load	3360	3920	4480	5040	5600	6160	6720		
Number of Bolts 20# roof snow load	2	2	2	3	3	3	3		
Shear or withdraw (pounds) 30# roof snow load	4320	5040	5760	6480	7200	7920	8640		
Number of Bolts 30# roof snow load	2	3	3	3	3	3	3		

- 1. Based upon truss loads of 20 or 30 PSF live or snow load top chord, 10 PSF dead load top chord, 5 PSF live load on the bottom chord and no live load on the bottom chord.
- 2. Based upon post spacing at intervals not exceeding 8 feet.
- 3. When beams are attached at each side of the column and fasteners do not extend through both beams such as thoughbolts, the required values are one-half the amount shown above for each beam.

TABLE R327.7 FASTENER SCHEDULE FOR STRUCTURAL MEMBERS

Fastener Schedule for Structural Members							
Description of Building Element	Number and Type of Fastener	Attachment Type					
Uplift blocking to column	5 – 16d Hot Dipped Galvanized	Each block					
Skirt board to column	2 – 16d Hot Dipped Galvanized	Face nail					
Wall girt to column	2 – 16d Hot Dipped Galvanized	Face nail					
Diagonal bracing to column	2 – 16d Hot Dipped Galvanized	Toe nail					
Diagonal bracing to skirt board	2 – 16d Hot Dipped Galvanized	Face nail					
Diagonal bracing to wall girts	2 – 10d Hot Dipped Galvanized	Face nail					
Knee brace to column	2 – 10d	Face nail					
Knee brace to top chord of truss or rafter	3 – 16d Hot Dipped Galvanized	Face nail					
Knee brace to bottom chord of truss or ceiling joist	3 – 10d	Face nail					
Roof purlin to truss or rafter with span of 2' or 4'	2 – 16d	Face nail					
Roof purlin to truss or rafter with span of 8'	Mechanical fastener with uplift protection greater than 225 lbs	Per manufacturer					

SECTION R328 TINY HOUSES GENERAL

R328.1 Scope. This section shall be applicable to tiny houses used as single dwelling units set on a permanent foundation. Tiny houses shall comply with this code except as otherwise stated in this section.

R328.2 Definitions. The following words and terms shall have the meanings shown herein. Refer to Chapter 2 for general definitions.

EGRESS ROOF ACCESS WINDOW LANDING PLATFORM LOFT TINY HOUSE

R328.3 Minimum ceiling height. Habitable space and hallways in tiny houses shall have a ceiling height not less than 6 feet 8 inches (2032 mm). Bathrooms, toilet rooms, and kitchens shall have a ceiling height not less than 6 feet, 4 inches (1930 mm). No obstructions shall extend below these minimum ceiling heights including beams, girders, ducts, lighting, or other obstructions.

Exception: Ceiling heights in lofts are permitted to be less than 6 foot 8 inches (2032 mm).

R328.4 Minimum loft areas. Lofts used as a sleeping or living space shall meet the minimum area and dimension requirements of Sections R328.4.1through R328.4.3.

Exception: Under gable roofs with a minimum slope of 6:12, portions of a loft with a sloping ceiling measuring less than 16 inches (406 mm) from the finished floor to the finished ceiling shall not be considered as contributing to the minimum required area for the loft.

R328.4.1 Minimum area. Lofts shall have a floor area of not less than 35 square feet (3.25 m2)

R328.4.2 Minimum dimensions. Lofts shall be not less than 5 feet (1524 mm) in any horizontal dimension.

R328.4.3 Height effect on loft area. Portions of a loft with a sloping ceiling measuring less than 3 feet (914 mm) from the finished floor to the finished ceiling shall not be considered as contributing to the minimum required area for the loft.

R328.5 Loft access. The access to and primary egress from lofts shall be of any type described in Sections R328.6 through R328.9.

R328.6 Stairways. Stairways accessing lofts shall comply with this code or with Sections R328.6.1 through R328.6.5.

R328.6.1 Width. Stairways accessing a loft shall not be less than 17 inches (432 mm) in clear width at all points at or above the permitted handrail height. The minimum width below the handrail shall not be less than 20 inches (508 mm).

R328.6.2 Headroom. The headroom in stairways accessing a loft shall not be less than 6 feet 2 inches (1880 mm) measured vertically from the sloped line connecting the tread nosings in the middle of the tread width.

Exception: The headroom for landing platforms shall not be less than 4 feet 6 inches (1372 mm).

R328.6.3 Treads and Risers. Risers for stairs accessing a loft shall be a minimum of 7 inches (178 mm) and a maximum of 12 inches (305 mm). Tread depth and riser height shall be calculated with the following formulas:

Tread depth = 20 inches (508 mm) minus 4/3 riser height

or

Riser height = 15 inches (381 mm) minus 3/4 tread depth

Exception: Landing platforms shall measure two treads deep and two risers tall.

R328.6.4 Handrails. Handrails shall comply with Section R311.7.8.

R328.6.5 Stairway guards. Guards at open sides of stairways shall comply with Section R312.1.

R328.7 Ladders. Ladders accessing lofts shall comply with Sections R328.7.1 and R328.7.2.

R328.7.1 Size and capacity. Ladders accessing lofts shall have 12 inches (305 mm) minimum rung width and 10 inches (254 mm) to 14 inch (356 mm) spacing between rungs. Ladders shall be capable of supporting a 200 pound (75 kg) load on any rung. Rung spacing shall be uniform within 3/8-inch (9.5 mm).

R328.7.2 Incline. Ladders shall be installed at 70 to 80 degrees from horizontal.

R328.8 Alternating tread devices. Alternating tread devices accessing lofts shall comply with Sections R311.7.11.1 and R311.7.11.2. The clear width at and below the handrails shall be not less than 20 inches (508 mm).

R328.9 Ships ladders. Ships ladders accessing lofts shall comply with Sections R311.7.12.1 and R311.7.12.2. The clear width at and below the handrails shall be not less than 20 inches (508 mm).

R328.10 Loft guards. Loft guards shall be located along the open side(s) of lofts located more than 30 inches (762 mm) above the main floor. Loft guards shall be not less than 36 inches (914 mm) in height or one-half the clear height to the ceiling, whichever is less.

R328.11 Emergency escape and rescue openings. Tiny houses shall meet the requirements of Section R310 for emergency escape and rescue openings.

Exception: Egress roof access windows in lofts used as sleeping rooms shall be deemed to meet the requirements of Section R310 where installed with the bottom of their opening no more than 44 inches (1118 mm) above the loft floor.

CHAPTER 4 FOUNDATIONS

SECTION R401 GENERAL

R401.1 Application. The provisions of this chapter shall control the design and construction of the foundation and foundation spaces for all *buildings*. In addition to the provisions of this chapter, the design and construction of foundations in areas prone to flooding as established by local *jurisdiction* shall meet the provisions of Section R322. Wood foundations shall be designed and installed in accordance with AF&PA PWF.

Exception: The provisions of this chapter shall be permitted to be used for wood foundations only in the following situations:

- 1. In building that have no more than two floors and a roof.
- 2. When interior basement and foundation wall are constructed at intervals not exceeding 50 feet (15240 mm).
- 3. Wood foundations in Seismic Design Category D₀, D₁, or D₂ shall be designed in accordance with accepted engineering practice.

R401.4.1 Geotechnical evaluation. In lieu of a complete geotechnical evaluation, the load-bearing values in Table R401.4.1 shall be assumed.

TABLE R401.4.1 PRESUMPTIVE LOAD-BEARING VALUES OF FOUNDATION MATERIALS^a

CLASS OF MATERIAL	LOAD-BEARING PRESSURE (pounds per square foot)
Crystalline bedrock	12,000
Sedimentary and foliated rock	4,000
Sandy gravel and/or gravel (GW and GP)	3,000
Sand, silty sand, clayey sand, silty gravel and clayey gravel (SW, SP, SM, SC, GM and GC)	2,000
Clay, sandy clay, silty clay, clayey silt, silt and sandy silt (CL, ML, MH and CH)	1,500 ^{bc}

For SI: 1 pound per square foot = 0.0479 kPa.

- a. When soil tests are required by Section R401.4, the allowable bearing capacities of the soil shall be part of the recommendations.
- b. Where the *building official* determines that in-place soils with an allowable bearing capacity of less than 1,500 psf are likely to be present at the site, the allowable bearing capacity shall be determined by a soils investigation.

c. 2000 psf presumptive load-bearing value shall be used for Boone, Campbell, and Kenton counties for CL and CH soils only.

SECTION R403 FOOTINGS

R403.1.4 Minimum depth. The minimum depth of all exterior footings and foundation wall systems shall extend not less than the minimum frost-protection depths (MFPD) specified in Table R403.1.4 and Figure R403.1.4. The minimum frost depth shall be measured from the proposed finished grade to the bottom of the footing. All site fills shall be prepared in accordance with the requirements of Section R401.2. The minimum frost-protection depths specified in Table R403.1.4 may be achieved by backfilling with non-compacted soil above the base of the footing to a depth equal to or greater than the required frost depth plus an additional 4 inches (102 mm). The maximum grade slope for frost-protection shall not exceed 2 to 1 and the minimum grade slope shall comply with the drainage requirements of Section R401.3.

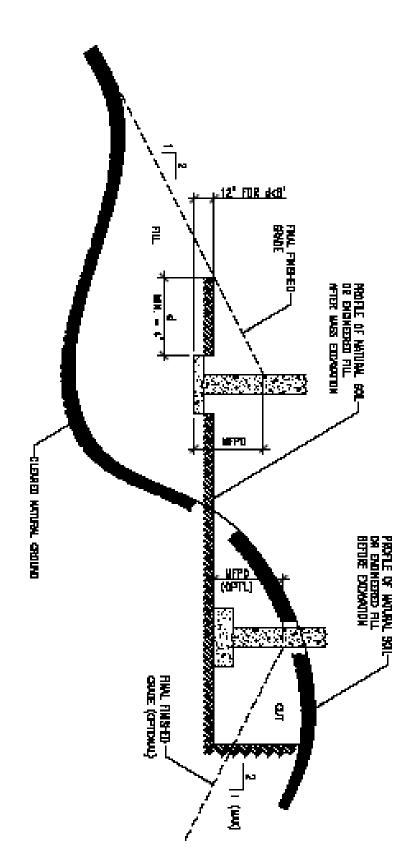
Footing and foundation systems may be formed on top of the finished prepared site grade of the cut side of the excavation when the excavation cut exceeds 28 inches (711 mm) and the MFPD may be achieved by backfilling the cut slope.

The "finished prepared site grade" shall be defined as the area exposed after clearing, grubbing, topsoil removal, and grading of the building pad, exposing stable ground.

If solid rock is exposed during the preparation of the finished prepared site grade then the footing and foundation systems may bear on the solid rock and shall not be required to extend below the frost line specified in Table R403.1.4.

TABLE R403.1.4 MINIMUM FROST PROTECTION DEPTH FOR KENTUCKY

County	Frost Depth d _f (in)	County	Frost Depth d _f (in)	County	Frost Depth d _f (in)
Bell	27	Johnson	30	Magoffin	30
Boone	30	Kenton	30	Martin	33
Breathitt	30	Knott	33	Owsley	27
Campbell	30	Knox	27	Perry	30
Clay	27	Lawrence	27	Pike	33
Floyd	33	Leslie	30	All other KY	
Harlan	30	Letcher	33	Counties	24



MFPD — MINIMUM FROST PROTECTION DEPTH FIGURE R403.1.4

SECTION R404 FOUNDATION AND RETAINING WALLS

TABLE R404.1.2 (8) MINIMUM VERTICAL REINFORCEMENT FOR 6-, 8-, 10-INCH AND 12-INCH NOMINAL FLAT BASEMENT WALLS^b, c, d, e, f, h, i, k, n, o

	MANDALI	I	MINIMU	M VER	TICAL	REINFO	ORCEM	ENT-BA	R SIZI	E AND S	PACING	(inches)	
MAXIMUM	MAXIMU M UNBALAN	Soil classes ^a and design lateral soil (psf per foot of depth)											
WALL HEIGHT (feet)	(GW, GP, S 30	SW, SP		GM, G	C, SM, S 45		nd ML	SC, M		nd inorga 60	nic CL	
(leet)	HEIGHT ^g (feet)				Mir	nimum no	ominal w	all thick	ness (in	ches)			
		6	8	10	12	6	8	10	12	6	8	10	12
5	4	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
3	5	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	4	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
6	5	NR	NR	NR	NR	NR	NR¹	NR	NR	4 @ 35	NRI	NR	NR
	6	NR	NR	NR	NR	5 @ 48	NR	NR	NR	5 @ 36	NR	NR	NR
	4	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
7	5	NR	NR	NR	NR	NR	NR	NR	NR	5 @ 47	NR	NR	NR
/	6	NR	NR	NR	NR	5 @ 42	NR	NR	NR	6 @ 43	5 @ 48	NR¹	NR
	7	5 @ 46	NR	NR	NR	6 @ 42	5 @ 46	NR ¹	NR	6 @ 34	6 @ 48	NR	NR
	4	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	5	NR	NR	NR	NR	4 @ 38	NR ¹	NR	NR	5 @ 43	NR	NR	NR
8	6	4 @ 37	NR ¹	NR	NR	5 @ 37	NR	NR	NR	6 @ 37	5 @ 43	NRI	NR
	7	5 @ 40	NR	NR	NR	6 @ 37	5 @ 41P	NRI	NR	6 @ 34	6 @ 43	NR	NR
	8	6 @ 43	5 @ 47	NR¹	NR	6 @ 34	6 @ 43	NR	NR	6 @ 27	6 @ 32	6 @ 44	NR
	4	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
9	5	NR	NR	NR	NR	4 @ 35	NR ¹	NR	NR	5 @ 40	NR	NR	NR
9	6	4 @ 34	NR ¹	NR	NR	6 @ 48	NR	NR	NR	6 @ 36	6 @ 39	NR ¹	NR
	7	5 @ 36	NR	NR	NR	6 @ 34	5 @ 37	NR	NR	6 @ 33	6 @ 38	5 @ 37	NR ¹

	8	6 @ 38	5 @ 41	NR ¹	NR	6 @ 33	6 @ 38	5 @379	NR¹	6 @ 24	6 @ 29	6 @ 39	4 @ 48 ^m
	9	6 @ 34	6 @ 46	NR	NR	6 @ 26	6 @ 30	6 @ 41	NR	6 @ 19	6 @ 23	6 @ 30	6 @ 39
	4	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	5	NR	NR	NR	NR	4 @ 33	NR ¹	NR	NR	5 @ 38	NR	NR	NR
	6	5 @ 48	NR ¹	NR	NR	6 @ 45	NR	NR	NR	6 @ 34	5 @ 37	NR	NR
10	7	6 @ 47	NR	NR	NR	6 @ 34	6 @ 48	NR	NR	6 @ 30	6 @ 35	6 @ 48	NR ¹
	8	6 @ 34	5 @ 38	NR	NR	6 @ 30	6 @ 34	6 @ 47	NR¹	6 @ 22	6 @ 26	6 @ 35	6 @ 45 ^m
	9	6 @ 34	6 @ 41	4 @ 48	NR ¹	6 @ 23	6 @ 27	6 @ 35	4 @ 48 ^m	DR	6 @ 22	6 @ 27	6 @ 34
	10	6 @ 28	6 @ 33	6 @ 45	NR	DR ^j	6 @ 23	6 @ 29	6 @ 38	DR	6 @ 22	6 @ 22	6 @ 28

For SI: 1 foot = 304.8 mm; 1 inch = 25.4 mm; 1 pound per square foot per foot = 0.1571 kPa²/m, 1 pound per square inch = 6.895 kPa.

NR = Not required.

- a. Soil classes are in accordance with the Unified Soil Classification System. Refer to Table R405.1.
- **b.** Table values are based on reinforcing bars with a minimum yield strength of 60,000 psi.
- **c.** Vertical reinforcement with a yield strength of less than 60,000 psi and/or bars of a different size than specified in the table are permitted in accordance with Section R404.1.2.3.7.6 and Table R404.1.2(9).
- **d.** NR indicates no vertical wall reinforcement is required, except for 6-inch nominal walls formed with stay-in-place forming systems in which case vertical reinforcement shall be #4 @ 48 inches on center.
- e. Allowable deflection criterion is L/240, where L is the unsupported height of the basement wall in inches.
- **f.** Interpolation is not permitted.
- **g.** Where walls will retain 4 feet or more of unbalanced backfill, they shall be laterally supported at the top and bottom before backfilling.
- **h.** Vertical reinforcement shall be located to provide a cover of 1.25 inches measured from the inside face of the wall. The center of the steel shall not vary from the specified location by more than the greater of 10 percent of the wall thickness or ³/₈-inch.
- i. Concrete cover for reinforcement measured from the inside face of the wall shall not be less than ³/₄-inch. Concrete cover for reinforcement measured from the outside face of the wall shall not be less than 1¹/₂ inches for No. 5 bars and smaller, and not less than 2 inches for larger bars.
- **j.** DR means design is required in accordance with the applicable building code, or where there is no code in accordance with ACI 318.
- **k.** Concrete shall have a specified compressive strength, f'_c , of not less than 2,500 psi at 28 days, unless a higher strength is required by footnote l or m.
- 1. The minimum thickness is permitted to be reduced 2 inches, provided the minimum specified compressive strength of concrete, f'_c , is 4,000 psi.
- **m.** A plain concrete wall with a minimum nominal thickness of 12 inches is permitted, provided minimum specified compressive strength of concrete, f'_c , is 3,500 psi.
- **n.** See Table R608.3 for tolerance from nominal thickness permitted for flat walls.
- **o.** The use of this table shall be prohibited for soil classifications not shown.
- **p.** For a minimum 8-inch thick concrete wall with a minimum specified strength of concrete f 'c of 3000 psi, no wall reinforcement is required.
- **q.** For a minimum 10 inch thick concrete wall with a minimum specified strength of concrete f'c 3000 psi, no wall reinforcement is required.

R404.1.5.2 Concrete wall thickness. The thickness of concrete foundation walls shall be equal to or greater than the thickness of the wall in the *story* above. Concrete foundation walls with corbels, brackets or other projections built into the wall for support of masonry

veneer or other purposes are not within the scope of the tables in this section. Where a concrete foundation wall is reduced in thickness to provide a shelf for the support of masonry veneer, the reduced thickness shall be equal to or greater than the thickness of the wall in the *story*

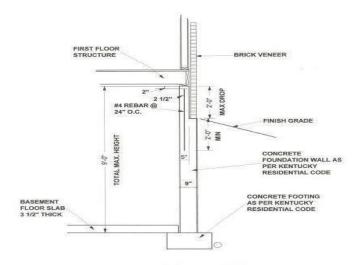
above. Vertical reinforcement for the foundation wall shall be based on Table R404.1.2 (8) and located in the wall as required by Section R404.1.3.3.7.2 where that table is used. Vertical reinforcement shall be based on the thickness of the thinner portion of the wall.

Exceptions:

- Where the height of the reduced thickness portion measured to the underside of the floor assembly or sill plate above is less than or equal to 24 inches (610 mm) and the reduction in thickness does not exceed 4 inches (102 mm), the vertical reinforcement is permitted to be based on the thicker portion of the wall.
- Concrete foundation walls with a brick drop stem wall and located within Jefferson, Bullitt, Oldham, Spencer, and Shelby counties which are known to have soil with sufficient stiffness, shall be permitted to comply with Figure R404.1.5. In seismic Design Categories D₀, D₁, and D₂, concrete foundation walls shall also comply with Section R404.1.4.

R404.1.9.2 Masonry piers supporting floor girders. Masonry piers supporting wood girders sized in accordance with Tables R602.7 (1) and R602.7 (2) shall be permitted in accordance with this section. Piers supporting girders for interior bearing walls shall have a minimum nominal dimension of 12 inches (305 mm) and a maximum height of 10 feet (3048 mm) from top of footing to bottom of sill plate or girder. Piers supporting girders for exterior bearing walls shall have a minimum nominal dimension of 12 inches (305 mm) and a maximum height of 4 feet (1220 mm) from top of footing to bottom of sill plate or girder. Girders and sill plates shall be anchored to the pier or footing in accordance with Section R403.1.6 or Figure R404.1.5 (1). Floor girder bearing shall be in accordance with Section R502.6.

Exception: Interior piers shall not be required to be anchored to girders unless required by an engineered design.



ALTERNATE FOUNDATION WALL/BRICK DROP SECTION

Figure R 404.1.5 (2)

CHAPTER 5 FLOORS

SECTION R502 WOOD FLOOR FRAMING

R502.6 Bearing. The ends of each joist, beam, or girder shall have not less than 1.5 inches (38 mm) of bearing on wood or metal and not less than 3 inches (76 mm) on masonry or concrete except where supported on a 1-inch by 4-inch (25.4 mm by 102 mm) ribbon strip and nailed to the adjacent stud or by the use of approved joist hangers. The bearing on masonry or concrete shall be direct, or a sill plate of 2-inchminimum (51 mm) nominal thickness shall be provided under the joist, beam or girder. The sill plate shall provide a minimum nominal bearing area of 48 square inches (30 865 square mm). A shim of metal or 1-inch nominal hardwood shall be acceptable to fill the void between joist, beam or girder and sill plate.

Steel columns, posts, and beams must be erected and installed according to manufacturer's instructions (if applicable). Unless otherwise listed and approved for specific use, nail/ram gun applications are prohibited in the installation of steel columns, posts, and beams (flanges and right angle clips) in residential construction. Anchors of proper size and strength (no less than ½ inch or according to the manufacturer's instructions) must be used and installed for the correct number of holes in each base plate or clip. All clips and column or post plates must be welded to the beam(s) by a weld in accordance with AISC 360 across the full width of two or more sides, or secured with at least two[5] 1/2 inch diameter bolts for columns or posts weighting 300 pounds or less, and four 1/2 inch diameter bolts for all other cases.

R502.9 Fastening. Floor framing shall be nailed in accordance with Table R602.3 (1). Where post and beam or girders construction is used to support framing, positive connections shall be provided to ensure against uplift and lateral displacement. The fastening of steel columns, posts, and beams shall be in accordance with the manufacturer's installation instructions or in accordance with Table R602.3 (1).

SECTION R507 EXTERIOR DECKS

R507.2.2 Alternate deck ledger connections. Deck ledger connections not conforming to Table R507.2 shall be designed in accordance with accepted engineering practice. Girders supporting deck joists shall not be supported on deck ledgers or band joists. Deck ledgers shall not be supported on stone or masonry veneer unless specifically designed by a design professional, or supported by an approved listed and labeled fastening method.

CHAPTER 6 WALL CONSTRUCTION

SECTION R602 WOOD WALL FRAMING

R602.12 Simplified Wall Bracing. A prescriptive alternative for braced wall compliance with this code shall follow the requirements established in this section. All one- and two-family *dwellings* and *townhouses* located in a Seismic Design Category A, B, and C as constructed through the prescriptive allowance of the adopted code and are sheathed entirely on the exterior of the structure with one of the following approved methods:

- 1. Wood structural panels conforming to R602.1.8, being a minimum 7/16-inch thick and fastened with the wood structural panel fastening schedule in Table R602.3 (1) or Table R602.3 (2).
- 2. Any Alternate Structural Method, having been evaluated by an ANSI/ACLASS ISO 17065 agency and demonstrating structural performance under lateral load conditions (wind and seismic) for use as an alternative to the *Kentucky Residential Code* Intermittent Wall Bracing provisions of Section R602.10 method WSP. The Alternate Structural Method must have a current Evaluation Report sealed by a Kentucky licensed Design Professional.

Either of the two methods shall be considered compliant with Sections R602.10 and R602.12 outlining prescriptive and braced wall requirements. All one and two family *dwellings* and *townhouses* located in Seismic Design Category D, D_0 , D_1 , and D_2 shall be constructed per the prescriptive allowances as outlined in Sections R602.10 and R602.12.

CHAPTER 7 WALL COVERING

SECTION R703

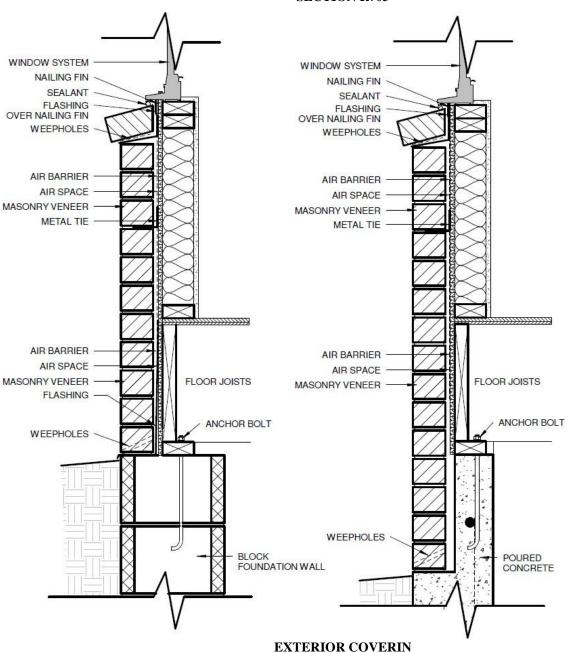


TABLE R703.8.4 TIE ATTACHMENT AND AIR SPACE REQUIREMENTS

BACKING AND TIE	MINIMUM TIE	MINIMUM TIE FASTENER ^a	AIR SPACE	
Wood stud backing with corrugated sheet metal	22 U.S. gage $(0.0299 \text{ in.}) \times \frac{7}{8} \text{ in. wide}$	8d common nail ^{b,c} $(2^{1}/_{2} \text{ in.} \times 0.131 \text{ in.})$	Nominal ¾ in. between sh veneer	eathing and
TWITH metal strand Wire	W1.7 (No. 9 U.S. gage; 0.148 in.) with hook embedded in mortar joint	8d common nail ^{b,c} $(2^{1}/_{2} \text{ in.} \times 0.131 \text{ in.})$	Minimum nominal 3/4 in. between sheathing and veneer	Maximum $4^{1}/_{2}$ in. between backing and veneer
backing with adjustable	W1.7 (No. 9 U.S. gage; 0.148 in.) with hook embedded in mortar joint	No. 10 screw extending through the steel framing a minimum of three exposed threads	Minimum nominal 3/4 in. between sheathing and veneer	Maximum 4 ¹ / ₂ in. between backing and veneer

For SI: 1 inch = 25.4 mm.

- **a**. In Seismic Design Category D_0 , D_1 , or D_2 , the minimum tie fastener shall be an 8d ring-shank nail ($2^{1}/_{2}$ in. \times 0.131 inch) or a No. 10 screw extending through the steel framing a minimum of three exposed threads.
- **b.** All fasteners shall have rust-inhibitive coating suitable for the installation in which they are being used, or be manufactured from material not susceptible to corrosion.
- **c.** All Fasteners shall penetrate a stud or wood structural panel.

CHAPTER 9 ROOF ASSEMBLIES

SECTION R905 REQUIREMENTS FOR ROOF COVERINGS

R905.2.8.5 Drip edge. A drip edge shall be provided at eaves and gables of shingle roofs. Adjacent pieces of drip edge shall be overlapped a minimum of 2 inches (51 mm). Drip edges shall extend a minimum of 0.25 inch (6.4 mm) below the roof sheathing and extend up the roof deck a minimum of 2 inches (51 mm). Drip edges shall be mechanically fastened to the roof deck at a maximum of 12 inches (305 mm) on center with fasteners as specified in Section R905.2.5. Underlayment shall be installed over the drip edge along eaves and under the drip edge on gables. Alternate methods to the standard metal drip edge may include site formed coil stock that creates a drip line as intended by the code. Wood, composite, and manufactured trim installed on the fascia shall create a drip line to prevent water from running back under the shingles, which will meet the requirements of the drip edge.

CHAPTER 11 ENERGY EFFICIENCY

SECTION N1101 GENERAL

N1101.1 Scope. This chapter regulates the energy efficiency for the design and construction of buildings regulated by the 2009 *International Energy Conservation Code*.

N1101.2 Compliance. Compliance shall be demonstrated by meeting the requirements of the International Energy Conservation Code and Sections N1101.2.1 and N1101.2.2 of this code where applicable.

N1101.2.1 Basement walls. Walls associated with *basements* that make up the building thermal envelope shall be insulated from the inside or outside of the basement wall from the top of the basement wall below grade to the design frost depth in accordance with Section R403.1.4. Walls associated with unconditioned *basements* shall meet this requirement unless the floor overhead is insulated in accordance with Sections 402.1.1 and 402.2.6 of the 2009 *International Energy Conservation Code*.

N1101.2.2 Slab on grade floors. Slab on grade floors constructed in accordance with Figure N1101.2.2 shall be permitted as an alternative insulation method.

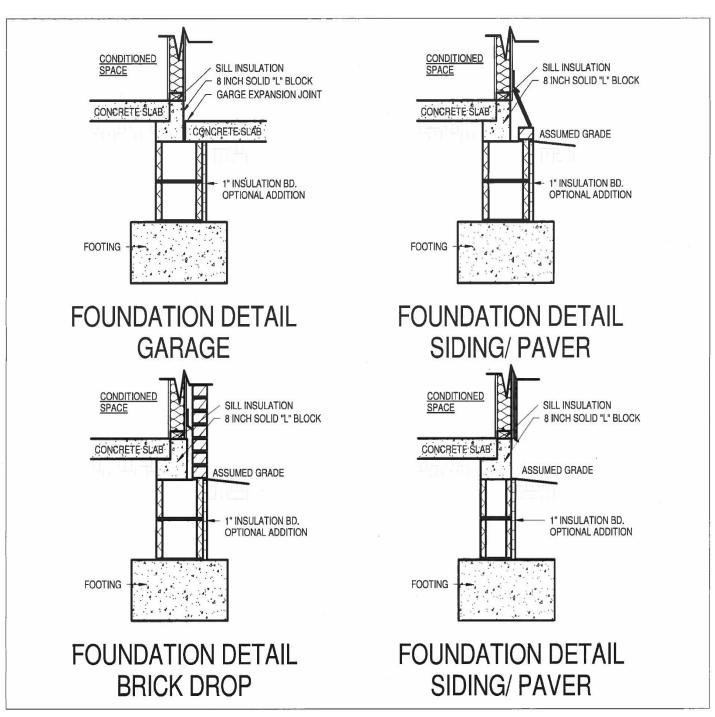


Figure N1101.2.2
Alternative insulation method for slab on grade floors

CHAPTER 13 GENERAL MECHANICAL SYSTEM REQUIREMENTS

SECTION M1301 GENERAL

M1301.1. Scope. The provisions of this chapter shall govern the installation of mechanical systems not specifically covered in other chapters applicable to mechanical systems. Installation of mechanical appliances, equipment, and systems not addressed by this code shall comply with the applicable provisions of the International Mechanical Code and NFPA 54 National Fuel Gas Code.

SECTION M1305 APPLIANCE ACCESS

M1305.1 Appliance access for inspection service, repair, and replacement. Appliances shall be accessible for inspection, service, repair, and replacement without removing permanent construction, other appliances, or any other piping or ducts not connected to the appliance being inspected, serviced, repaired, or replaced. A level working space not less than 30 inches deep and 30 inches wide (762 mm by 762 mm) shall be provided in front of the control side to service an appliance.

Exception: Structural members located within the 30-inch by 30-inch work space shall be acceptable if it does not impede serviceability of the *appliance*.

M1305.1.3 Appliances in attics. Attics containing appliances shall be provided with an opening and a clear and unobstructed passageway large enough to allow removal of the largest appliance, but not less than 30 inches (762 mm) high and 22 inches (559 mm) wide and not to exceed half the length of the structure from the opening to the appliance. The passageway shall have continuous solid flooring in accordance with Chapter 5 not less than 24 inches (610 mm) wide. A level service space not less than 30 inches (762 mm) deep and 30 inches (762 mm) wide shall be present along all sides of the appliance where access is required. The clear access opening dimensions shall be not less than of 20 inches by 30 inches (508 mm by 762 mm), and large enough to allow removal of the largest appliance.

Exceptions:

- 1. The passageway and level service space are not required where the *appliance* can be serviced and removed through the required opening.
- 2. Where the passageway is unobstructed and not less than 6 feet (1829 mm) high and 22 inches (559 mm) wide for its entire length, the passageway shall be not more than 50 feet (15 250 mm) long.

M1305.1.4 Appliances under floors. Underfloor spaces containing appliances shall be provided with an unobstructed passageway large enough to remove the largest appliance, but not less than 30 inches (762 mm) high and 22 inches (559 mm) wide, nor more than half the length of the structure from the opening to the appliance. A level service space not less than 30 inches (762 mm) deep and 30 inches (762 mm) wide shall be present at the front or service side of the appliance. If the depth of the passageway or the service space exceeds 12 inches (305 mm) below the adjoining grade, the walls of the passageway shall be lined with concrete or masonry extending 4 inches (102 mm) above the adjoining grade in accordance with Chapter 4. The rough-framed access opening dimensions shall be not less than 22 inches by 30 inches (559 mm by 762 mm), and large enough to remove the largest appliance.

Exceptions:

- 1. The passageway is not required where the level service space is present when the access is open, and the *appliance* can be serviced and removed through the required opening.
- 2. Where the passageway is unobstructed and not less than 6 feet high (1929 mm) and 22 inches (559 mm) wide for its entire length, the passageway shall not be limited in length.

CHAPTER 14 HEATING AND COOLING EQUIPMENT AND APPLIANCES

SECTION M1403 HEAT PUMP EQUIPMENT

M1403.1 Heat pumps. Electric heat pumps shall be listed and labeled in accordance with UL 1995 or UL/CSA/ANCE 60335-2-40 and installed in accordance with the manufacturer's installation instructions.

SECTION M1411 HEATING AND COOLING EQUIPMENT

M1411.8 Locking access port caps. Section M1411.8 shall be DELETED in its entirety.

SECTION M1416 MINI-SPLIT HEAT PUMPS

M1416.1 General. Mini-split heat pumps shall be installed in accordance with Section R303.9 and the manufacturer's installation instructions.

CHAPTER 15 EXHAUST SYSTEMS

SECTION M1502 CLOTHES DRYER EXHAUST

M1502.4.1.1 Alternate Material and installation. Clothes dryer exhaust ducts are permitted to be made of PVC and CPVC plastic provided they shall be a nominal 4 inches in diameter. The alternate material shall only be installed below a slab on grade floor and backfilled with sand or gravel. Each dryer exhaust duct joint shall be secured with PVC or CPVC solvent glue and each joint shall provide a smooth interior finish. The maximum installed exhaust duct length shall conform to Section M1502.4.4.1 and labeled in accordance with Section M1502.4.5. The dryer exhaust duct shall be installed to provide positive drainage to the termination and shall not permit the collection of condensate. The exhaust duct shall only extend a maximum of 1 inch above the slab on grade floor for connection to the *appliance*.

M1502.4.4.1 Accessibility and identification. Dryer exhaust duct power ventilators shall be accessible for inspection, service, repair, and replacement without removing permanent construction and identified on a permanent label or tag at the appliance or access door to the appliance. A permanent label or tag giving notification to the occupant of the use of a dryer exhaust duct power ventilator shall be located within 6 feet (1829 mm) of the dryer.

SECTION M1503 RANGE HOODS

M1503.2 Duct material. Ducts serving range hoods shall be constructed of galvanized steel, stainless steel, copper, or other manufacturer approved material.

Exception: Ducts for domestic kitchen cooking *appliances* equipped with down-draft exhaust systems shall be permitted to be constructed of schedule 40 PVC pipe and fittings provided that the installation complies with all of the following:

- 1. The duct is installed under a concrete slab poured on grade;
- 2. The underfloor trench in which the duct is installed is completely backfilled with sand or gravel;
- 3. The PVC duct extends not more than 1 inch (25 mm) above the indoor concrete floor surface:
- 4. The PVC duct extends not more than 1 inch (25 mm) above grade *outside of the building*; and
- 5. The PVC ducts are solvent cemented.

M1503.4 Makeup air required. Exhaust hood systems capable of exhausting in excess of 400 cubic feet per minute (0.19 m³/s) shall be mechanically or naturally provided with makeup air at a rate approximately equal to the exhaust air rate. Such makeup air systems shall be equipped with not less than one damper. Each damper shall be an electrically operated damper that automatically opens when the exhaust system operates. Dampers shall be accessible for inspection, service, repair, and replacement without removing permanent construction or any other ducts not connected to the damper being inspected, serviced, repaired, or replaced.

CHAPTER 16 DUCT SYSTEMS

SECTION M1601 DUCT CONSTRUCTION

M1601.4.1 Joints, seams, and connections. Longitudinal and transverse joints, seams, and connections in metallic and nonmetallic ducts shall be constructed as specified in SMACNA HVAC *Duct Construction Standards—Metal and Flexible* and NAIMA *Fibrous Glass Duct Construction Standards*. Longitudinal and transverse joints, seams, and connections in ductwork shall be securely fastened and sealed with welds, gaskets, mastics (adhesives), mastic-plus-embedded-fabric systems, liquid sealants, or tapes. Tapes and mastics used to seal fibrous glass ductwork shall be *listed* and *labeled* in accordance with UL 181A and shall be marked "181A-P" for pressure-sensitive tape, "181 A-M" for mastic or "181 A-H" for heat-sensitive tape.

Tapes and mastics used to seal flexible air ducts and flexible air connectors shall comply with UL 181B and shall be marked "181 B-FX" for pressure-sensitive tape or "181 BM" for mastic. Duct connections to flanges of air distribution system equipment shall be sealed and mechanically fastened. Mechanical fasteners for use with flexible nonmetallic air ducts shall comply

with UL 181B and shall be marked 181B-C. Crimp joints for round metallic ducts shall have a contact lap of not less than 1 inch (25 mm) and shall be mechanically fastened by means of not less than three sheet-metal screws or rivets equally spaced around the joint.

Closure systems used to seal all ductwork shall be installed in accordance with the manufacturer's instructions.

Exceptions:

- 1. Spray polyurethane foam shall be permitted to be applied without additional joint seals.
- 2. Where a duct connection is made that is partially inaccessible, three screws or rivets shall be equally spaced on the exposed portion of the joint, so as to prevent a hinge effect.
- 3. Continuously welded and locking-type longitudinal joints and seams in ducts operating at static pressures less than 2 inches of water column (500 Pa) pressure classification shall not require additional closure systems.

CHAPTER 17 COMBUSTION AIR

Chapter 17 Combustion Air. Chapter 17 of the 2015 IRC shall be DELETED in its entirety.

CHAPTER 18 CHIMNEYS AND VENTS

Chapter 18 Chimneys and Vents. Chapter 18 of the 2015 IRC shall be DELETED in its entirety.

CHAPTER 19 SPECIAL APPLIANCES, EQUIPMENT AND SYSTEMS

Chapter 19 Special Appliances, Equipment and Systems. Chapter 19 of the 2015 IRC shall be DELETED in its entirety.

CHAPTER 20 BOILERS AND WATER HEATERS

Chapter 20 Boilers and Water Heaters. Chapter 20 of the 2015 IRC shall be DELETED in its entirety.

CHAPTER 24 FUEL GAS

Chapter 24 Fuel Gas. Chapter 24 of the 2015 IRC shall be DELETED in its entirety.

CHAPTER 25 PLUMBING ADMINISTRATION

Chapter 25 Plumbing Administration. Chapter 25 of the 2015 IRC shall be DELETED in its entirety.

CHAPTER 26 GENERAL PLUMBING REQUIREMENTS

Chapter 26 General Plumbing Requirements. Chapter 26 of the 2015 IRC shall be DELETED in its entirety.

CHAPTER 27 PLUMBING FIXTURES

Chapter 27 Plumbing Fixtures. Chapter 27 of the 2015 IRC shall be DELETED in its entirety.

CHAPTER 28 WATER HEATERS

Chapter 28 Water Heaters. Chapter 28 of the 2015 IRC shall be DELETED in its entirety.

CHAPTER 29 WATER SUPPLY AND DISTRIBUTION

Chapter 29 Water Supply and Distribution. Chapter 29 of the 2015 IRC shall be DELETED except for Section P2904 Dwelling Unit Fire Sprinkler Systems.

CHAPTER 30 SANITARY DRAINAGE

Chapter 30 Sanitary Drainage. Chapter 30 of the 2015 IRC shall be DELETED in its entirety.

CHAPTER 31 VENTS

Chapter 31 Vents. Chapter 31 of the 2015 IRC shall be DELETED in its entirety.

CHAPTER 32 TRAPS

Chapter 32 Traps. Chapter 32 of the 2015 IRC shall be DELETED in its entirety.

CHAPTER 33 STORM DRAINS

Chapter 33 Storm Drains. Chapter 33 of the 2015 IRC shall be DELETED in its entirety.

CHAPTER 34 GENERAL REQUIREMENTS

Chapter 34 General Requirements. Chapter 34 of the 2015 IRC shall be DELETED in its entirety.

CHAPTER 35 ELECTRICAL DEFINITIONS

Chapter 35 Electrical Definitions. Chapter 35 of the 2015 IRC shall be DELETED in its entirety.

CHAPTER 36 SERVICES

Chapter 36 Services. Chapter 33 of the 2015 IRC shall be DELETED in its entirety.

CHAPTER 37 BRANCH CIRCUIT AND FEEDER REQUIREMENTS

Chapter 37 Branch Circuit and Feeder Requirements. Chapter 37 of the 2015 IRC shall be DELETED in its entirety.

CHAPTER 38 WIRING METHODS

Chapter 38 Wiring Methods. Chapter 38 of the 2015 IRC shall be DELETED in its entirety.

CHAPTER 39 POWER AND LIGHTING DISTRIBUTION

Chapter 39 Power and Lighting Distribution. Chapter 39 of the 2015 IRC shall be DELETED in its entirety.

CHAPTER 40 DEVICES AND LUMINAIRES

Chapter 40 Devices and Luminaires. Chapter 40 of the 2015 IRC shall be DELETED in its entirety.

CHAPTER 41 APPLIANCE INSTALLATION

Chapter 41 Vents. Chapter 41 of the 2015 IRC shall be DELETED in its entirety.

CHAPTER 42 SWIMMING POOLS

Chapter 42 Swimming Pools. Chapter 42 of the 2015 IRC shall be DELETED in its entirety.

CHAPTER 43 CLASS 2 REMOTE-CONTROL, SIGNALING AND POWER-LIMITED CIRCUITS

Chapter 43 Class 2 Remote-Control, Signaling and Power-Limited Circuits. Chapter 43 of the 2015 IRC shall be DELETED in its entirety.

CHAPTER 44 REFERENCED STANDARDS

AWC

American Wood Council 222 Catocin Circle, Suite 201 Leesburg, VA 20175

Standard Reference		Referenced in code
Number	Title	section number
AWC PRWDC62012	Prescriptive Residential Wood Deck Construction guide	R301.1.1
ANSI	American National Standards Institute	
	25 West 43 rd Street 4 th Floor New York NY 10036	
Standard		Referenced
Reference Number	Title	in code section number
ANSI/NSPI 3-99	Standard for Permanently Installed Residential Spas	R326.4.1
ANSI/NSPI 5-03	Standard for Residential In-ground Swimming Pools.	R326.3.1
ANSI/APSP 7-06	Standard for Suction Entrapment Avoidance in Swimming Pools, Wadding Pools, Spas, Hot Tubs And Catch Basins	R326.6.1
ASTM	ASTM International	
	100 Barr Harbor Drive West Conshohocken PA 19428	
Standard Reference Number	Title	Referenced in code section number
ASTM F 1346 – 91	Performance Specification (2003) for Safety Covers and Labeling Requirements for Covers for Swimming Pools Spas and Hot Tubs	

KY CODES Department of Housing,

Buildings and Construction 101 Sea Hero Road, Suite 100 Frankfort, Kentucky 40601-5412

Standard Reference	Title	Referenced in code
Number KSPC	Kentucky State Plumbing Code	
KSB & PV & PL-03	Kentucky State Boiler and Pressure Vessel and Piping Law	M2001.1
FEIVIA Fede	ral Emergency Management Agency	
	500C. Street SW	
	Washington,D.C.20472	
Standard	<u> </u>	Referenced
Reference		in code
Number	Title	section number
FEMA 232 – June, 200	6 Home Builders Guide to Seismic Resistant ConstructionR	301.1.1, R301.2.2
ICC	International Code Council, Inc.	<u> </u>
	500 New Jersey Avenue, NW	
	6 th Floor	
	Washington, DC 20001	
Standard		Referenced
Reference		in code
Number	Title	section number
Code®, IPSDC—15 Int	International Energy Conservation Code®	nal Property Maintenance
NFBA	National Frame Builders Association 8735 W Higgins Road suite 300 Chicago IL 60631	
Standard		Referenced
Reference		in code
Number	Title	section number
2 nd Edition	Post Frame Building Design Manual	R301.1.1

NFPA

National Fire Protection Association 1 Batterymarch Park Quincy, MA 02269-9101

Standard Reference Number	Title	Referenced in code section number
54-09 70—17		M1301.1, M1701.1, M1801.1, M2001.1, G2401.1

Minimum Design Standards for New Construction, Adaptive Reuse, and Rehabilitation Multifamily Housing Units

Kentucky Housing Corporation 2020 Revision









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KHC Minimum Design Requirements

The following minimum design items are for all newly constructed multifamily units constructed under the Kentucky Building Code. For rehabilitation and adaptive reuse projects, items which are added or replaced in the scope of work, must comply with this standard. Multifamily projects consisting of townhouses, duplexes, triplexes, or single family detached structures shall meet KHC's Minimum Design Standards for "New Construction of Single-Family Dwelling Units" or "Rehabilitation of Single-Family Dwelling Units" as regulated by the Kentucky Residential Code.

KHC's Minimum Design Standards are a vehicle to promote modern construction and design practices for builders, contractors, and design professionals who utilize funding

from Kentucky Housing Corporation. Other methods of construction and design may be acceptable on a case by case basis. If your design does not satisfy KHC's Minimum Design Standards, please contact the Department of Design and Construction Review for further assistance.

Division I: General Requirements

1) Minimum Design Standards:

- a) Minimum Design Standards shall apply when KHC funding exceeds ten percent (10%) or more of cost per unit to all new construction and reconstruction of multifamily dwellings, all applications involving adaptive reuse converting a former use to residential use and limited rehabilitation projects constructed with funds from the HOME Investment Partnerships Program (HOME), Affordable Housing Trust Fund (AHTF), SMAL, Risk Sharing, Housing Tax Credits and Tax Exempt Bonds.
- b) This standard shall apply to the proposed scope of work for all rehabilitation of existing multifamily properties and structures.
- 2) <u>Waiver Process:</u> Understanding that no single code or standard can cover the infinite number of possible configurations and circumstances that may arise during rehabilitation or construction, a written request for waiver to a KHC requirement will be earnestly considered.
 - a) All requests for existing projects are to be submitted electronically using KHC's Universal Funding Application system waiver request form located within the UFA, under the "Other Actions" tab.
 - The request must detail the necessity of variance from this code.
 Photographs are encouraged where necessary to convey understanding.
 - ii) Applicants seeking a waiver to any KHC policy or project requirement, or a modification to KHC funding amounts or terms, must submit this completed modification/waiver request form along with any supporting documentation necessary for KHC to make an informed decision. Each waiver or

modification request must be submitted on a separate form; two or more waiver requests cannot be combined on one form. All associated fees must be paid at the time the request is submitted; no waivers or modifications will be considered until the fee(s) have been received. Please refer to the Multifamily Program Guidelines for more detailed information.

- 3) <u>Codes:</u> All construction shall comply with applicable code and standards listed below:
 - a) Kentucky building and residential construction codes
 - b) Kentucky Housing Corporation's Minimum Design Requirements
 - c) Local planning and zoning requirements
 - d) Local authorities' rules and regulations
 - e) The Fair Housing Amendment Act of 1988 (applies to units constructed for first occupancy on or after March 13, 1991)
 - f) Section 504 of the Rehabilitation Act of 1973
 - g) Americans with Disabilities Act of 1990
- 4) **Soil Treatment-Termite Protection:** A proper and complete termite inspection and appropriate treatment of all property is required.
 - a) The inspection must be completed by a licensed exterminator who shall report any termite activity located and treatment applied.
 - b) A warranty for a period of a minimum of one year on all treatments is required.
- 5) Radon Reduction: Passive radon venting is required in all new construction.

 Rehabilitation projects and adaptive reuse projects where radon levels are known to be at or above 4 pCi/l (Picocuries per liter of air) shall be retrofitted with a venting system.
 - a) A design professional shall design the venting system for all existing structures.
 - b) The radon vent pipe shall pass through a heated portion of the structure and an accessible attic space or chase which will allow adequate working space to possibly install an inline fan.
 - c) Electrical provisions shall be roughed in, in an accessible attic or chase, for possible future installation of an inline fan.

- (1) If in the future it becomes necessary to supply power to the radon fan, power shall be derived from a house metering source and may not be supplied from an individual dwelling power source.
- 6) Energy Efficiency: Documentation and/or calculations that the building envelope meets or exceeds the 2012 IECC requirements must be provided from REScheck or other approved software. REScheck is a US Department of Energy free download
 - at: http://www.energycodes.gov/rescheck/
 - a) New Construction: All newly constructed residential building envelope designs shall meet or exceed minimum energy efficiency requirements of the 2012 International Energy Conservation Code (IECC).
 - b) Adaptive Reuse: All projects involving any combination of adaptive reuse which requires reclassification of building Use Groups as defined by the Kentucky Building Code shall exceed the minimum energy efficiency requirements of the 2009 IECC.
 - (1) This section shall apply to the extent not exempted by the Historic Preservation Office of the State of Kentucky.
 - c) Rehabilitation: Rehabilitation projects which do not involve use group changes are not subject to energy efficiency requirements except where new construction or alterations to existing structures occur. In these instances, exposed building cavities and alterations shall be upgraded to comply with applicable provisions of the 2012 IECC.
 - (1) This section shall apply to the extent not exempted by the Historic Preservation Office of the State of Kentucky.

7) Testing:

- a) <u>New construction</u>; <u>Building</u> envelope and duct system tightness testing must be completed and comply with the 2012 IECC and reported to KHC.
- b) <u>Adaptive Reuse</u>; Building envelope and duct system tightness testing must be completed and the results must comply with the 2009 IECC. All testing results must be reported to KHC.

- c) <u>Testing</u> for new construction, adaptive reuse, and rehabilitated buildings must verify compliance with the applicable ASHRAE Standard for ventilation and acceptable indoor air quality, (ASHRAE 62.2 or ASHRAE 62.1).
- d) All duct leakage tests must use total leakage as the method of testing when the duct system is outside the thermal envelope. Guarded blower door or compartmentalization blower door testing are the acceptable methods of infiltration verification. A minimum of 10% of the units will be selected by KHC for testing.
- e) Diagnostic testing shall be reported by one of the following methods:
 - i) Documentation from a licensed and certified HERS rater.
 - ii) Documentation from a Building Analyst, licensed and certified, by the Building Performance Institute.
 - **iii)** Documentation from a licensed and certified HVAC contractor, qualified in pressure diagnostic testing of the duct systems and total air infiltration.
 - **iv)** Documentation from a Weatherization Assistance Program trained Dwelling Needs Evaluator or Energy Auditor.
 - v) Other methods will be considered upon written request
- **8) Quality Assurance:** General Contractors and/or subcontractors shall furnish a written material and labor warranty on all work.
- 9) <u>Unit Size Requirements:</u> The following minimum square foot measurements are required for different types of units. For purposes of this requirement, net square feet are the heated and cooled area of the unit.
 - a) SRO units: shall contain at least 150 square feet (common kitchen and bath)
 - b) Efficiency units: shall contain at least 400 square feet
 - c) One-bedroom units: shall contain at least 600 square feet
 - d) Two-bedroom units: shall contain at least 800 net square feet
 - e) Three-bedroom units: shall contain at least 1,000 net square feet
 - f) Four-bedroom units: shall contain at least 1,100 net square feet
- **10)** Universal Design Requirements: Projects that receive debt or subsidy financing from KHC equal to ten percent (10%) or more of the total project hard cost for the

purpose of constructing single family or multi-family housing shall comply with KHC's Universal Design Policy.

- **a)** Please consult KHC's web site for the most current version of the KHC Universal Design requirements:
 - http://www.kyhousing.org/uploadedFiles/Housing_Production/Design_and_
 Construction/UniversalDesignStandards.pdf?n=7407
- b) Units which are covered by the Fair Housing Amendments Act of 1988 are not required to satisfy Universal Design requirements.

Division 2: Existing Conditions

1) <u>Soil boring and Testing:</u> All new construction which contains 12 or more units will be required to have a soils analysis test performed by a Commonwealth of Kentucky approved testing laboratory. KHC reserves the right to require a soils test on any project regardless of construction type or unit size. Results of the test shall comply with KBC requirements.

Division 3: Concrete

- Exterior Concrete: Shall conform to the latest revised Standard Specification for Portland cement, ASTM C595.
 - a) All exterior concrete shall have a minimum 28-day compressive strength of 4000 psi and be entrained with 5 percent air with a minimum cement content of 520 lb per cubic yard (5.5 sacks).

- **b)** Expansion-joint material shall be ½" thick asphalt-impregnated pre-molded fiber, ASTM D1752. Follow American Concrete Institute (ACI) 318.
- c) Concrete driveways and parking areas shall be minimum 6" thick.
- d) Exterior concrete for walks, porches, and stoops shall be minimum 4" thick.

2) Concrete Finishes:

- a) Walkways: Provide a non-slip finish and provide ¼ inch per foot crown or cross slope in the direction of drainage.
- 3) <u>Concrete Testing:</u> All new construction containing twelve (12) or more units will be required to have concrete strength tests performed by a Commonwealth of Kentucky approved testing laboratory. Results of the tests shall comply with the KBC, KHC Minimum Design (this standard), and be provided to the KHC Construction Specialist assigned to the project.

Division 4: Masonry

1) Face Brick: Shall be ASTM C 216, Type FBS, Grade SW, or equivalent.

Division 5: Metals

- 1) <u>Metal Ties:</u> For newly constructed units, metal tie-down or "hurricane" straps shall be used at each bearing location of each roof truss, rafter and ceiling joist.
 - a) Correct nails and nailing pattern as required by the manufacturing company of the strap shall be used.
- 2) **Steel Lintels:** Steel lintels, when specified for openings in masonry walls, shall be primed and painted.

Division 6: Woods/Plastics/Rough Carpentry/Millwork

- 1) <u>Stair Riser and Tread Construction:</u> Except stairs in individual dwellings, all newly constructed steps shall have a riser not greater than 7" and a tread of 11".
- 2) <u>Wood Exposed to Weathering Elements:</u> All exterior wood shall have a minimum preservative retention rate of 25 percent for above ground applications and a minimum preservative retention rate of 40 percent for all wood in contact with the ground.
- Wood Decking: Exterior decking shall consist of composite or pressure treated wood material.
- 4) **Exterior Wood Stairs:** Exterior wood stairs shall be constructed with properly treated dimensional lumber.
- 5) **Exterior Handrails:** Exterior handrails shall be constructed of metal or plastic and must meet all other code requirements pertaining to handrails.

Division 7: Thermal and Moisture Protection

- 1) Minimum masonry siding: Siding material of all newly constructed buildings shall consist of a minimum of fifty percent (50%) brick, stone, or other KHC approved materials. The bricked area calculation of fifty percent shall not include window and door areas nor brick below finished grade. Elevation plans shall include calculations documenting the percent coverage of all siding types per building.
- **2)** Weather Protection: All exposed wood shall be protected from weathering by a minimum of one or more of the following materials or methods.
 - a) Metal: 0.019" minimum thickness aluminum, factory finish (coil stock).
 - **b) Naturally Durable Wood:** Redwood, Cedar, or other naturally durable woods may be exposed to weathering conditions without cladding or other protective coverings. Stain or sealing exposed wood is required.
 - **c)** Composites: Cement fiber board or other durable material may be used as approved by KHC.
 - **d) Pressure Treated Lumber:** Wood shall have a minimum preservative retention rate of 25 percent for above ground applications.

3) Roof Covering:

- **a) Shingles:** Seal tab type over 15 lb. felt, with minimum 25-year product warranty or better.
- b) Metal:

- i) 29-gauge minimum thickness aluminum or galvanized steel with factory finish applied over solid decking.
- ii) 26-gauge if applied on purlins
- **4)** Gutters and Downspouts: All structures shall have gutters and downspouts and be appropriately designed per code with a minimum 5" gutter and a 2"x 3" downspout.
 - **a)** All downspouts shall empty onto concrete splash blocks or be piped to an appropriate location.
 - **b)** Downspouts shall not discharge directly onto sidewalks or other walking surfaces.
- **Siding:** Exterior siding shall consist of one or more of the following materials or other materials approved by KHC.
 - a) Composite: Fiber cement siding, primed, with two-coat minimum finish or factory finish.
 - **b) Metal:** 26-gauge minimum thickness aluminum or galvanized steel with factory finish.
 - c) Vinyl: 0.042" minimum thickness, UV protected.
 - **d) Wood:** Cedar or redwood stained or primed once with 2-coat minimum finish.
 - e) Brick Veneer: Shall be ASTM C 216, Type FBS, Grade SW, or equivalent, modular size.
 - f) Artificial stone or brick: installed to manufacturer's instructions.
- **6)** <u>Insulation:</u> In new construction, adaptive reuse, and rehab to the extent the structure is exposed, the building thermal envelope shall be insulated to the following minimum values:

a) Floors over unconditioned space: R-19
b) Exterior walls: R-20
c) Ceilings: R-49

d) Slab Foundations: R-10 continuous

e) Conditioned Crawl Walls: R-10 continuous

 This section shall apply to the extent not exempted by the Historic Preservation Office of the State of Kentucky and Kentucky Building code.

7) Air Infiltration:

- a) <u>New construction</u> structures shall be air sealed to prevent air exchange between conditioned and unconditioned spaces by the following means.
 - i) Exposed penetrations of floor, walls, and ceilings, such that occur at access openings, electrical wiring and outlet boxes, plumbing piping, and ducts, shall be sealed to prevent free passage of air between conditioned and unconditioned spaces or the exterior.

- ii) Exposed walls in attics, separating the conditioned space of the dwelling unit from the unconditioned space in the attic, shall have an approved air barrier installed on the attic side of the wall.
- iii) Access doors from conditioned spaces to unconditioned spaces, such as attics and crawl spaces, shall be weather-stripped and insulated to a level equivalent to the insulation on the surrounding surfaces.
- iv) Recessed luminaries installed in the building thermal envelope, shall be sealed to limit air leakage between conditioned and unconditioned spaces.
- v) All recessed luminaries shall be IC-rated and labeled as meeting ASTM E 283, when tested at 1.57 psf (75 Pa) pressure differential; with no more than 2.0 cfm (0.944 L/s) of air movement from the conditioned space to the unconditioned space.
- b) Rehabilitated structures shall be air sealed to the extent cavities are exposed.

Division 8: Doors, Windows, and Glazing

This section shall apply to the extent not exempted by the Historic Preservation Office of the State of Kentucky and Kentucky Building code.

- 1) Exterior Doors: New or replacement exterior doors shall be 1 3/4" thick, made of steel or other equally durable material, insulated unless of solid wood (not particleboard) and be appropriately finished as recommended by the manufacturer.
 - a) **Door Energy Ratings:**
 - i) All opaque exterior doors shall have a U-factor equal to or less than 0.21.
 - ii) **Doors less than fifty percent (50%) glass** shall have a U-factor equal to or less than 0.27.
 - iii) **Doors greater than fifty percent (50%) glass** shall posses a U-factor equal to or less than 0.32.
 - b) **Unit entry door hardware:** All unit entry doors shall have a lever key-lock latch, doorknocker, security accessories (eyelet and deadbolt), and kick plate.
- 2) <u>Interior Doors:</u> New or replacement doors shall be solid wood, composite, or hollow core panel doors.
 - a) Interior doors shall be a minimum of 1 %" thick.
 - b) **Interior Hardware:** All doors shall be equipped with lever-handle hardware.
 - i) All bedrooms and bathrooms shall be equipped with privacy locks.
- 3) <u>Windows:</u> All new construction and replacement windows shall meet the following requirements:
 - a) All window frames must be of solid vinyl, thermally broken aluminum, fiberglass, wood, or wood clad.

- b) **The vapor seal** on the glazing must have a minimum ten-year warranty.
- c) **The operation** of all windows shall have a minimum one-year warranty.
- d) **All windows** shall have a **National Fenestration Rating** meeting minimum energy code requirements for Zone 4.
 - i) **All windows** shall have a U-Factor equal to or less than 0.32 and an SHGC rating equal to or less than 0.40.

Division 9: Finishes

This section shall apply to the extent not exempted by the Historic Preservation

Office of the State of Kentucky.

- 1) **Exterior Ceiling:** When using vinyl or aluminum material for porch ceilings, provide a rigid, solid backing such as OSB, plywood, or furring strips per manufacturer's instructions.
- 2) **Exterior Finishes:** Exterior building elements shall be properly finished.
 - a) Posts and Columns:
 - i) New construction exterior posts and columns at deck level and above shall be vinyl or aluminum clad, aluminum, fiberglass, metal, or composite material.
 - ii) Rehabilitation projects may repair or replace in kind to the existing construction methods.
 - b) **Handrails:** Exterior handrails shall be smooth vinyl, metal, or composite material, weather resistant, and painted or factory finished.
 - c) Guardrails:
 - i) New construction and replacement guardrails shall be vinyl, aluminum, fiberglass, metal, or composite material and finished with a factory or field applied coating suitable for effective weather resistance.
 - **ii)** Rehabilitation projects may repair in kind to the existing construction methods.
 - d) **Fiber Cement Siding:** Shall be factory finished or be painted with at least two coats of exterior grade paint.
- 3) Entry Door Floor Finish: On the interior side of the main entry door within each dwelling unit, there shall be an uncarpeted, finished floor area.
 - a) **This area** shall be no less than sixteen (16) square feet.
- 4) <u>Finished Floor Treatments:</u> New construction or replacement interior floor finishes shall meet one or more of the following standards:

- a) **Sheet Carpet:** 25 oz. minimum, 100 percent nylon. Other options include Berber type with blended fiber. In high traffic areas, 30 oz. Minimum is required.
 - i) **Carpet Padding:** Minimum 7/16" thick, 6-lb. re-bond polyurethane.
- b) Carpet Tiles: 20 oz. minimum
 - Provide product adhesive and underlayment as recommended by the manufacturer.
 - ii) All surfaces shall be clean, dry, and appropriate temperature during installation.
- c) Sheet Vinyl: Shall be Armstrong or equivalent minimum 10 mil wear layer.
 - Provide product adhesive and underlayment as recommended by the manufacturer.
 - ii) All surfaces shall be clean, dry, and appropriate temperature during installation.
 - iii) Vinyl sheet flooring shall conform to the requirements of ASTM F 1303, Type I.
- d) Vinyl Tile: Shall be Armstrong or other approved equal, 1/8" x 12" x 12".
 - Provide product adhesive and underlayment as recommended by the manufacturer.
 - ii) All surfaces shall be clean, dry, and appropriate temperature during installation.
 - iii) Follow manufacture's recommendation for pattern layout.
- e) **Wood Flooring:** Flooring shall be tongue and groove hardwood; factory finished or have a minimum of three coats of site-applied, UV-protective polyurethane.
- f) **Other Flooring Products:** Ceramic tile, vinyl plank, and laminates shall be installed in accordance with manufacturer's specifications.
- 5) <u>Interior Doors:</u> New construction or replacement interior doors shall be factory finished, painted, or stained as follows:
 - a) **Paint:** primed once, with two-coat satin, semi-gloss finish on all sides and faces including tops and bottoms.
 - b) **Stain:** stain or oil on all sides and faces including tops and bottoms, with three-coat varnish, polyurethane finish
- 6) Moisture-Resistant Drywall: For new construction and areas where drywall is replaced during rehabilitation, Moisture-resistant gypsum board (commonly called "green board") or equivalent must be used on all walls in the bathroom and within six feet in any direction of water sources, where the drywall can be splashed, such as kitchen sink, next to water heater, and/or clothes washer.
 - a) For new construction, Water-resistant gypsum board or equivalent shall be provided behind any tub/shower unit located on an exterior wall.
 - b) Water-resistant gypsum, when used on ceilings must be rated for the span.
- 7) Interior Wall Finishes:

- a) Dwelling units, common areas, offices, laundries, meeting rooms, and similar spaces intended for use by the residents shall have the interior wall surfaces properly finished with appropriate materials such as drywall or plaster.
 - i) Exposed framing and insulation are not considered a proper finish in these spaces.
- b) Unless factory finished all interior walls shall be covered with one prime coat and two coats flat or satin finish Low-VOC interior latex paint.

Division 10: Specialties

- 1) <u>Trash Collection:</u> Provisions for dumpsters or trash cans are required.
 - a) **Screening** of trash cans and/or dumpsters shall be provided.
- 2) <u>Common Laundry Facilities:</u> Unless individual units are supplied with laundry facilities, all projects including adaptive reuse and rehabilitation consisting of four (4) or more units shall provide common laundry facilities meeting the following washers and dryers per unit ratios.
 - a) SRO and 1-bedroom units must have a minimum of 1 pair (washer/dryer) for every 20 units.
 - b) 2- and 3-bedroom units must have a minimum of 1 pair (washer/dryer) for every 12 units.
 - c) All calculations must be rounded up to a whole number.
- 3) **Dwelling Unit Laundry Connection Facilities:** All newly constructed dwelling units including adaptive reuse shall be equipped with washer and dryer hookups.
 - i) **Exception:** SROs and efficiencies are not required to provide this hook up facility within the dwelling unit.
- 4) **Roof Offsets:** Projects of four (4) or more attached units shall incorporate varying the roof line with offsets, gable porch roofs, etc.
- 5) **Entries:** The main common entry to each group of newly constructed dwellings or each main exterior entry to individual dwellings shall have a concrete, treated wood, or other hard surface exterior stoop, porch or deck, a minimum of 5' x 5'.
 - a) All main entries shall have a roof or awning over the minimum 5' x 5' entry area.

Division 11: Equipment

- 1) Refrigerator: A refrigerator shall be provided in all dwelling units.
 - a) All new and replacement refrigerators must be Energy Star qualified. The Energy Star mark must be clearly marked on the product, clearly displayed in product literature and listed on the manufacturer's Internet site.
- 2) Range: A range shall be provided in all dwelling units.
- 3) <u>Dishwasher:</u> A dishwasher shall be provided in all newly constructed units and those resulting from adaptive reuse. Dishwashers shall also be provided in units resulting from rehabilitation activities where they had either previously existed or dwelling units were newly created due to structural change.
 - Standard dishwashers shall use less than 4.25 gallons per cycle and 295 kWh per year.

4) Clothes Washers:

- a) All clothes washers provided in individual dwelling units shall have an MEF equal to or greater than 2.0 and a WF equal to or less than 6.0.
- b) All clothes washers provided in common laundries shall have a Modified Energy Factor (MEF) equal to or greater than 2.2 and a Water Factor (WF) equal to or less than 4.5.
- c) All laundry facilities located above any habitable space shall be equipped with a properly installed washer overflow pan piped to carry the overflow into the DWV, positive outside drain or an approved floor drain.

Division 12: Furnishings

- 1) New Construction and Replacement Cabinets and Drawers: Base and wall cabinets shall be provided in all dwelling units.
 - a) Cabinet fronts shall be made of solid wood (not particleboard); doors, draws and fronts shall be factory finished.
 - b) Cabinet ends shall be finished with appropriate veneer.
 - c) Cabinet doors and drawers shall incorporate milled edges for a hand hold or handles to aid in operating the door or drawer. Accessible pulls and handles are required in all accessible units.
 - d) All cabinets shall be labeled or documented ANSI/KCMA A161.1 Certified
 - i) Exception: Cabinets made in Kentucky do not require an ANSI/KCMA A161.1 label when pre-approved by KHC and constructed to the following specifications.

- (1) Cabinet fronts shall be made of solid wood (no particleboard or fiberboard); doors, draws, and fronts shall perform to ANSI/KCMA A161.1-2012 standard.
- (2) Cabinet box and shelves shall be constructed of cabinet grade plywood and braced at points where necessary to insure rigidity and proper joining of various components.
- (3) All hardware shall perform to ANSI/BHMA A156.9-2015 standard.
- 2) <u>Countertops:</u> Countertops shall be molded roll-backed, laminate plastic or Formica with finished ends and sealed at the cut out for sink.
 - a) Other appropriate materials may be used such as Corian™. Consult the KHC Department of Design and Construction Review.
- 3) <u>Closet Storage/Accessories:</u> Clothes closets shall contain a 12" deep shelf, including a coat rod. Shelves with integrated hangar hooks may also be used.
- 4) <u>Mailboxes:</u> All units shall have a USPS approved mailbox either at each individual unit or in a common area.
 - a) **Exception:** When US postal service is not available at the project.
- 5) **Bath Accessories**: Dwelling unit bathrooms shall be equipped with the following:
 - a) **Medicine cabinet** with mirror 16" wide by 20" tall (minimum)
 - Other combinations of mirror and storage may be acceptable by approval of KHC
 - b) Wall hung toilet paper dispenser
 - c) 18" (minimum) towel bar
 - d) Shower rod

Division 13: Special Construction

- Storage areas: Storage areas are required on all newly constructed units and adaptive reuse projects, unless exempted by SHIPO and excluding SROs and efficiency units.
 - a) The storage area shall be a minimum of twenty-five (25) net square feet.
 - b) Structures must satisfy applicable building code requirements.
 - c) Prefabricated plastic structures are prohibited.
 - d) Exterior storage areas shall match exterior building veneer, trim, and possess identical shingles.

- e) Storage area within the dwelling unit shall be a designated room or space and cannot encroach on clear space requirements for any equipment or appliance.
- 2) **Ramps:** All newly constructed accessible ramps shall meet the following specifications and applicable accessibility standards:
 - (1) Ramps shall be constructed a minimum of 42" wide.
 - (2) Each landing shall have 5' turning areas at the top and bottom of each ramp run.
 - (3) Ramps shall not exceed a maximum slope of 1:12 and a maximum rise of 30".
 - (4) Ramps and landings shall have a minimum load capacity of 300 lbs. concentrated load applied in a 4 square inch area and a uniform live load of 100 pounds per square foot.
 - a) **Portable or temporary ramps are prohibited** and may not substitute for locations requiring a permanent ramp.
 - b) Ramp construction materials: Ramps may be constructed of the following materials:
 - i) **Composite:** PVC or other with non-skid surface.
 - ii) Concrete: with non-skid surface.
 - iii) Metal: galvanized steel, or aluminum with non-skid surface.
 - iv) **Wood:** All exterior wood shall have a minimum preservative retention rate of 25 percent for above ground applications and a minimum preservative retention rate of 40 percent for all wood in contact with the ground. Use of CCA treated lumber is prohibited.
- 2) **Playgrounds**: Playgrounds shall meet the following current standards and be approved by KHC prior to installation.
 - a) ASTM F1487, Standard Consumer Safety Performance Specification for Playground Equipment for Public Use
 - ASTM F1292, Standard Specification for Impact Attenuation of Surfacing Materials Within the Use Zone of Playground Equipment
 - c) ASTM F1951, Standard Specification for Determination of Accessibility of Surface Systems Under and Around Playground Equipment
 - d) ASTM F2223, Standard Guide for ASTM Standards on Playground Surfacing
 - e) ASTM F2479, Standard Guide for Specification, Purchase, Installation and Maintenance of Poured-in-Place Playground Surfacing
 - f) ASTM F2049, Standard Guide for Fences/Barriers for Public, Commercial, and Multi-Family Residential Use Outdoor Play Areas
 - g) ASTM F2075, Standard Specification for Engineered Wood Fiber for Use as a Playground Safety Surface Under and Around Playground Equipment
 - h) DOJ 2010 ADA Standard for Accessible Design

Division 21: Fire Suppression

1) Reserved for future use

Division 22: Plumbing

- 1) Required Fixtures: Fixtures must be provided in all dwelling units.
 - The following specifications shall be the minimum size and/or quality for new or replacement plumbing fixtures.
 - a) **Bath Tub and/or Shower:** Tubs shall be 30" minimum width. Showers shall be 36" x 36" minimum.
 - b) Water Closets: Water closets shall be maximum 1.28 GPF and made of porcelain.
 - c) **Faucets:** Polished chrome plated. Lever handle required. Faucets containing plastic material for exterior housing are prohibited.
 - d) Lavatories: Sinks shall be 15" minimum diameter.
 - e) **Kitchen Sink:** Except roll under sinks required in mobility impaired dwelling units, sinks shall be a minimum eight inches (8") deep, stainless steel double bowl.
- 2) <u>Water Supply Piping:</u> New construction and replacement water supply lines shall be of approved material.
 - a) Installation in exterior walls except for hose bibs is prohibited.
 - b) All new construction and replacement hot water lines shall be insulated equal to or greater than R-3.
- 3) Overflow Protection Accessories: New and replacement water heaters located above any habitable space shall have an overflow pan properly plumbed into DWV, positive drain outside or an approved floor drain.
- 4) Water Heater Efficiency:
 - i) **New construction electric water heaters** shall have a minimum Energy Factor (EF) rating of .95 or Uniform Energy Factor (UEF) rating of .92.
 - ii) Rehabilitation replacement water heaters shall be the maximum efficiency attainable if space limitations restrict larger water heater insulation jackets.
 - b) Gas fired water heaters shall an EF equal to or greater than 0.67.
 - c) **Instantaneous gas water heaters** shall have an EF equal to or greater than 0.82.

d) **Central water heating systems** serving multiple dwelling units or common areas must be Energy star Qualified.

Division 23: Heating Ventilating and Air Conditioning

- 1) <u>Heating Ventilating and Air Conditioning Equipment:</u> All units shall be heated and cooled using high-efficiency equipment.
 - a) **Heat pump systems** shall have a minimum SEER (Seasonal Energy Efficiency Rating) rating of 15 with a minimum HSPF (Heating Seasonal Performance Factor) rating of 9.
 - i) PTHP systems in individual dwellings shall have a minimum 11 EER (Energy Efficiency Ratio) rating and a minimum 3.0 COP (Coefficient of Performance) rating.
 - b) Air conditioning only split systems shall have a minimum SEER of 15.
 - c) Fuel oil, gas fired furnaces and boilers shall have an Annual Fuel Utilization Efficiency (AFUE) equal to or greater than ninety-two percent (92%).
 - d) Electric-resistance-only heat systems are prohibited.
 - e) Alternative HVAC systems may be approved by KHC.
- 2) <u>Duct Insulation:</u> All supply air, return air, and exhaust air ducts installed in unconditioned spaces outside the thermal envelope shall be sealed and insulated with a minimum R-8 insulation wrap and installed free of restrictions.
- 3) <u>Programmable Thermostats:</u> All new and replacement individual HVAC systems shall be controlled by a programmable thermostat.
- 4) Range Hoods: All dwelling units shall be equipped with a, minimum 150 CFM, vented or non-vented range hood, or combination range hood/microwave oven.
 - a) Use ducting sized and ducting material per manufacturer recommendation.
 - b) Exposed ducting is prohibited and where installed above cabinets, ducts shall have a finished cover.
 - c) Recirculation combination microwave hoods or range hoods shall be equipped with an activated charcoal filter.
 - i) Note: Recirculating hood ventilation rates must be made up with whole unit ventilation. See ASHRAE standards.
- 5) <u>Exhaust and Ceiling Paddle Fans:</u> All paddle and ventilation fans (except for range hoods) shall be Energy Star qualified.
 - a) The Energy Star mark must be clearly marked on the front/top of the product, clearly displayed in product literature and listed on the manufacturer's Internet site.

Division 26: Electrical

- 1) <u>Common Area Lighting:</u> Luminaries shall be located at all entrances and common areas.
 - a) The electrical supply for all common areas, stairways, and walkways shall not originate from an individual unit.
- 2) Parking Lot Lighting: All onsite parking areas shall be lighted.
 - a) The electrical supply for all parking areas shall not originate from an individual unit.
- 3) **<u>Dwelling Unit Lighting:</u>** Each room, hall, stair, and walk in closet shall have a minimum of one switch-operated overhead light.
 - a) Kitchens shall include switch-operated lighting over the cooking area, sink and the general or dining area.
 - b) Bathrooms shall be equipped with switch-operated lighting over the lavatory area and the general area.
- 4) Energy Efficient Lighting: All interior luminaries shall be Energy Star qualified.
 - a) The Energy Star mark must be clearly marked on the front/top of the product, clearly displayed in product literature and listed on the manufacturer's Internet site.

Division 27: Communications

- 1) <u>Telephone Access:</u> All dwelling units (including rehabilitation) shall be wired for telephone service.
- 2) <u>Cable Access:</u> All dwelling units (including rehabilitation) shall be wired for cable service or a local antennae system.
- 3) <u>Internet Connectivity:</u> All dwelling units (including rehabilitation) shall have the ability to connect to the internet by one or more of the following means.
 - a) <u>Telephone Connection:</u> Connectivity may be accomplished by prewired telephone jacks installed within the dwelling.

- b) **Cable Modem:** Connectivity may be accomplished by prewired cable jacks installed within the dwelling.
- c) <u>Wireless Connection provided by the property:</u> A secured wireless router may be provided for internet connectivity by the residents of the property in lieu of wired connections.
 - All dwellings units shall be supplied with signal strength adequate for connection to the internet.
 - ii) Common areas accessible by the residents shall be supplied with signal strength adequate for connection to the internet.
- **4)** Help/Call for Aid: Where installed, or included in the scope of work, Help/ Call for Aid systems shall at a minimum, alert persons outside the dwelling unit by visual and/or audible means.
 - a) Audible systems shall produce sound at a level of at least 15 decibels above ambient noise levels near the dwelling unit.
 - i) The notification sound shall not be similar to a fire alarm notification.
 - **b)** Visual notification systems shall be visible to persons within 200 feet from the dwelling and be a flashing strobe.
 - **c)** An activation device shall be installed in all bedrooms, bathrooms, and living rooms of the dwelling unit.
- 5) <u>Units designed for the hearing and visually impaired:</u> All dwelling units designed for the hearing and visually impaired shall be equipped with audible and visual notification devices for the benefit of the occupant to know when someone is at the entry door, when the telephone rings, and when there is smoke or carbon monoxide detected within the dwelling or building.

Division 28: Electronic Safety and Security

This section shall apply to new construction, adaptive reuse, and rehabilitation projects.

- 1) <u>Fire Detection and Alarm:</u> Installation of smoke alarms is required in all new construction, adaptive reuse, and rehabilitation projects.
 - a) All local ordinances shall be observed.
 - b) Written manufacturer specifications for the proper installation of individual alarms shall be observed and maintained on site throughout construction.

- Instructions for specific locations and other installation details shall be strictly observed.
- ii) Individual smoke alarms shall be installed on all floors and in all bedrooms and hallways no more than eight (8) feet from any bedroom door within the dwelling unit.
- 2) <u>Carbon Monoxide Alarms:</u> UL listed carbon monoxide alarm(s) shall be installed outside each sleeping area no more than eight (8) feet from any bedroom door within the dwelling unit if the dwelling or building contains fuel burning appliances or has an attached garage.
- 3) <u>Audible and Visual notification alarms:</u> Where required, dwellings shall provide audible and visual notification of smoke and carbon monoxide detection in all rooms within the dwelling.
 - a) Audible alarms shall provide minimum noise pressure 15 decibels above ambient noise levels in all rooms of the dwelling including bathrooms and kitchens and where a room may be isolated by closure of a door.
 - b) **Visual alarms shall** be installed in locations where the alarm's flashing strobe may be seen from any location within the dwelling including bathrooms and kitchens and where a room may be isolated by closure of a door.

Division 31: Earthwork

- 1) **Soil Testing:** All new construction that contains 12 or more units and/or building sites determined necessary by KHC's construction specialists will be required to have a geotechnical investigation performed by a design professional registered in the Commonwealth of Kentucky.
 - a) **Investigation Report:** Results of the test shall comply with the applicable building code requirements and be submitted to KHC.
 - i) At a minimum the report submitted to KHC shall contain recommendations for foundation type and design criteria, including but not limited to: bearing capacity of natural or compacted soil; provisions to mitigate the effects of expansive soils; mitigation of the effects of liquefaction, differential settlement and varying soil strength; and the effects of adjacent loads.
- 2) <u>Steep Slopes:</u> Setbacks or clearances may occur where units are placed on sites that have adjacent steep slopes of 33.3% (1 foot rise: 3 feet run) or greater.

- a) Setbacks indicated in the current Kentucky Building or Residential Code, from the top or bottom of the slope, shall be observed and included in the building's design.
 - i) Building foundations located within the required setback indicated in the building codes shall be designed by a registered design professional.

Division 32: Exterior Improvements

- 1) **Landscaping:** Adequate landscaping is required on all multifamily projects.
 - a) **Installation:** Landscaping shall be installed according to the **approved** landscape plan submitted to KHC as part of final plans and specifications.
 - b) Turf:
 - i) All side and rear lawn areas shall be seeded with the seed variety, lime, and fertilizer application rate, which is appropriate to establish a good lawn cover.
 - ii) **Sod is required** in building front yards and common areas for all projects requiring establishment of new grass.
 - iii) All slopes in excess of 33.3% (1:3) within 10 feet of the building, driveway and/or walkway shall receive sod or other approved erosion control materials which will enhance the establishment of a permanent ground cover.
- 2) <u>Parking/Driveways:</u> All multifamily projects shall have adequate parking as determined by KHC.
 - a) All on-site parking lots and access drives are to be paved.
 - i) Asphalt shall consist of a hot mix asphaltic concrete pavement, manufactured by plants and be placed a minimum of 4" thick.
 - ii) Concrete parking lots and access drives shall be 6 inches thick.
 - iii) Pervious concrete parking surfaces shall be properly drained to prevent accumulation of water.
 - b) Unless prohibited by local code, jurisdiction, or structural constraints, all projects shall have a minimum of one parking space per unit.
 - i) Parking spaces shall have wheel stops or curbs.
 - (1) If walkways are used as wheel stops, the walkway shall be 6' wide.
- 3) **Walkways:** All dwelling units and common use facilities shall have a paved walkway from the parking area to the main entrance and connecting dwelling units to common use areas and public sidewalks.

a) All entry walks shall be a minimum of 42 "wide.

Division 33: Utilities Services

- 1) <u>Availability:</u> Required building utility services shall be available before construction begins at the building site in sufficient size to adequately provide sufficient power, flow, volume, pressure, and drainage to allow for safe, dependable service of appliances and fixtures.
 - a) Septic or sewage treatment systems may be constructed onsite as construction progresses and shall be capable of performing intended functions prior to occupancy.
- **2)** Electric: Electrical service to newly constructed units shall be installed underground except in cases where deemed structurally infeasible.

Events

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EVENTS IN MADISONVILLE

2024 4TH FEST COUNTRY NIGHT







2024 4TH FEST HIP HOP NIGHT





2024 4TH FEST PRAISE IN THE PARK







Madisonville Illuminated-Hot Air Balloon Show

Fri, Aug 30 | Madisonville

Learn More



Harvest Fest

Fri, Sep 27 | Madisonville

Learn More



Harvest Fest

Sat, Sep 28 | Madisonville

Learn More



Multiple Dates

Outdoor Movie - Sully



Air Show

Sat, Oct 05 | Location is TBD



Multiple Dates

Fri, Oct 04 | Madisonville R...

Learn more

Learn more

Outdoor Movie - Kicking and Screaming

Fri, Oct 25 | Madisonville H...

Learn more



Deck the Park

Thu, Nov 28 | Location is T...

Learn more

EVENT VENDORS

Harvest Fest

Wings over Western Kentucky

Madisonville Illuminated- Hot Air Balloon Show

Deck the Park

Outdoor Movies

HARVEST FEST HAY BALE DECORATING 2024

Click Here to Apply

CITY EVENT CALENDAR

Sun	Mon	Tue	Wed	Thu	Fri	Sat
28	29	30	31	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30 4:00 PM Madisonville Illuminated- H	31
1	2	3	4	5	6	7

Being the Best Town on Earth, means having the best local talent on Earth. Thank you to the City of Madisonville for always showcasing that with our local events!

- KATY MCGLOTHLIN

"

City events are great because they help to generate tourism and revenue for our local community.

- Ruthann Padgett-VanCleve

These City events are wonderful entertainment for the people of Hopkins County and surrounding counties to be proud of—and they're free!



About
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Volunteering

City Hall 67 N. Main Street Madisonville, KY 42431

8:00 AM- 4:00 PM

T: (270) 824-2100

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Harper Village - (445 Browning Street, Madisonville, KY)

Two (2) 300-gallon tanks at an unnamed machine shop – 555 Brown Lane, Madisonville, KY

The tanks above are approximately 3,400 feet from the subject property. The Acceptable Separation Distance (ASD) from the tanks to the subject property is a maximum of 223.55 feet according to HUD's ASD calculation tool. They are in compliance according to the calculated ASD should a tank explosion occur.

Acceptable Separation Distance Assessment Tool

Is the container above ground?	Yes: ☑ No: □
Is the container under pressure?	Yes: ☑ No: □
Does the container hold a cryogenic liquified gas?	Yes: ☐ No: ☑
Is the container diked?	Yes: No:
What is the volume (gal) of the container?	600
What is the Diked Area Length (ft)?	
What is the Diked Area Width (ft)?	
Calculate Acceptable Separation Distance	
Diked Area (sqft)	
ASD for Blast Over Pressure (ASDBOP)	184.99
ASD for Thermal Radiation for People (ASDPPU)	223.55
ASD for Thermal Radiation for Buildings (ASDBPU)	39.70
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

Home (/) > Programs (/programs/) > Environmental Review (/programs/environmental-review/) > DNL Calculator

DNL Calculator

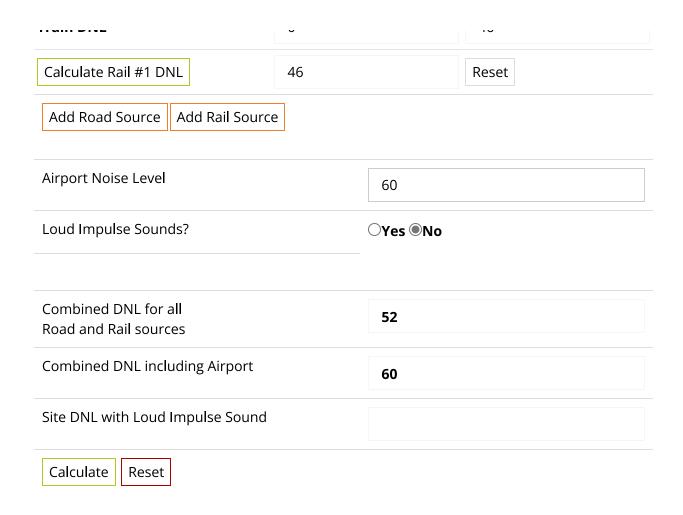
The Day/Night Noise Level Calculator is an electronic assessment tool that calculates the Day/Night Noise Level (DNL) from roadway and railway traffic. For more information on using the DNL calculator, view the Day/Night Noise Level Calculator Electronic Assessment Tool Overview (/programs/environmental-review/daynight-noise-level-electronic-assessment-tool/).

Guidelines

- To display the Road and/or Rail DNL calculator(s), click on the "Add Road Source" and/or "Add Rail Source" button(s) below.
- All Road and Rail input values must be positive non-decimal numbers.
- All Road and/or Rail DNL value(s) must be calculated separately before calculating the Site DNL.
- All checkboxes that apply must be checked for vehicles and trains in the tables' headers.
- **Note #1:** Tooltips, containing field specific information, have been added in this tool and may be accessed by hovering over all the respective data fields (site identification, roadway and railway assessment, DNL calculation results, roadway and railway input variables) with the mouse.
- **Note #2:** DNL Calculator assumes roadway data is always entered.

Site ID		W Harper Village				
Record Date	0	08/13/2024				
User's Name	Le	eia Staples				
Road # 1 Name:	N	AL 1 - West No	oel Avenue			
Road #1						
Vehicle Type		Cars 🗹	Medium Trucks \Box	Heavy Trucks 🗆		
Effective Distance		684				
Distance to Stop Sign						
Average Speed		35				
Average Daily Trips (<i>A</i>	ADT)	5275				
Night Fraction of ADT		15				
Road Gradient (%)						
Vehicle DNL		44	0	0		
Calculate Road #1 DNL		44	Reset			
Road # 2 Name:	N.	AL 1 - W Noel	Avenue			
Road #2						

Bolted Tracks?		Ye	s: No:	Yes: ✓ No: □	
Railway whistles or horns?		Ye	s: No:	Yes: ☑ No: ☐	
Night Fraction of ATO				0	
Average Train Operations (ATO)				2	
Railway cars per Train				50	
Engines per Train				2	
Average Train Speed				20	
Effective Distance				1692	
Train Type		Electric 🗆)	Diesel 🗹	
Rail # 1					
Railroad #1 Track Identifier:		Crossing 3	345482G		
Calculate Road #2 DNL	49		Reset		
Vehicle DNL	42		43	46	
Road Gradient (%)				0	
Night Fraction of ADT	15		15	15	
Average Daily Trips (ADT)	3867	7	420	122	
Average Speed	35		35	35	
Distance to Stop Sign					
Effective Distance	703		703	703	



Mitigation Options

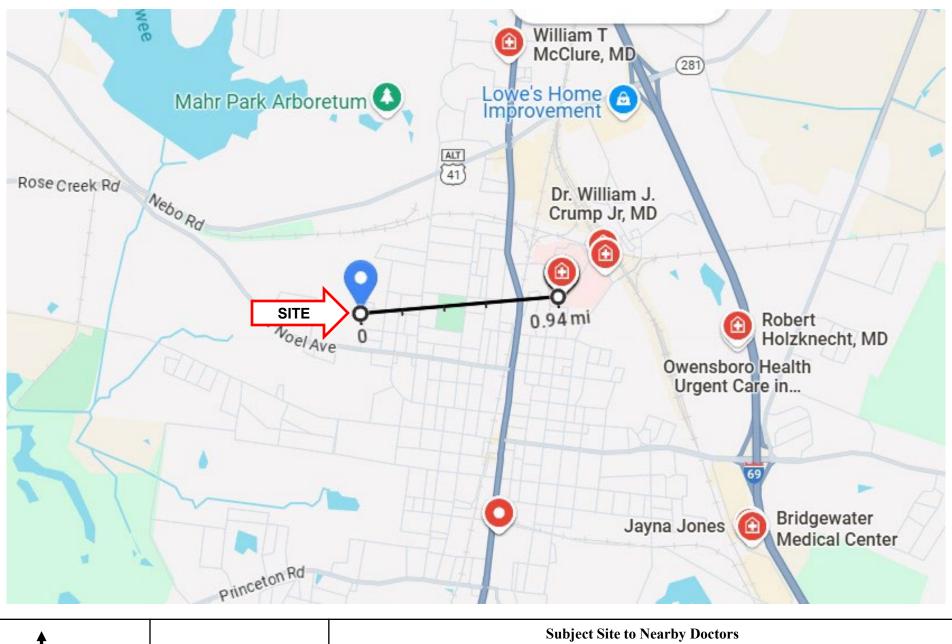
If your site DNL is in Excess of 65 decibels, your options are:

- **No Action Alternative**: Cancel the project at this location
- Other Reasonable Alternatives: Choose an alternate site
- Mitigation
 - Contact your Field or Regional Environmental Officer (/programs/environmentalreview/hud-environmental-staff-contacts/)
 - Increase mitigation in the building walls (only effective if no outdoor, noise sensitive areas)
 - Reconfigure the site plan to increase the distance between the noise source and noise-sensitive uses
 - Incorporate natural or man-made barriers. See The Noise Guidebook (/resource/313/hud-noise-guidebook/)
 - Construct noise barrier. See the Barrier Performance Module (/programs/environmental-review/bpm-calculator/)

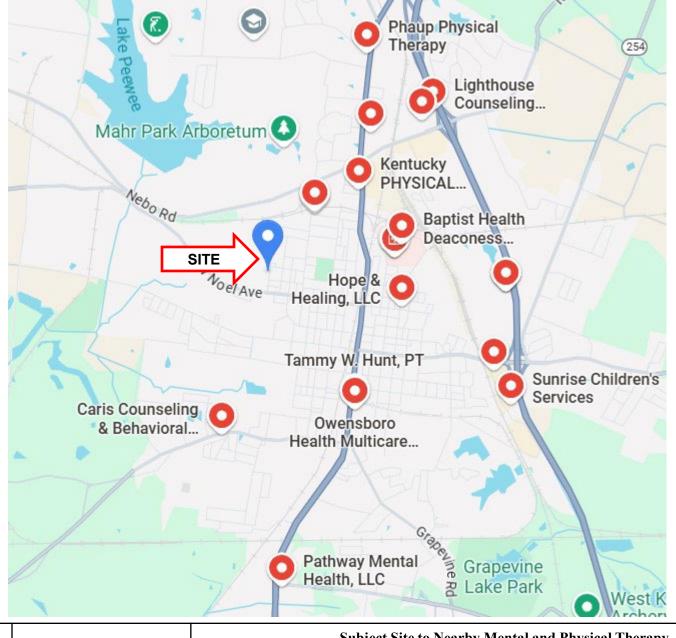
Tools and Guidance

Day/Night Noise Level Assessment Tool User Guide (/resource/3822/day-night-noise-level-assessment-tool-user-guide/)

Day/Night Noise Level Assessment Tool Flowcharts (/resource/3823/day-night-noise-level-assessment-tool-flowcharts/)

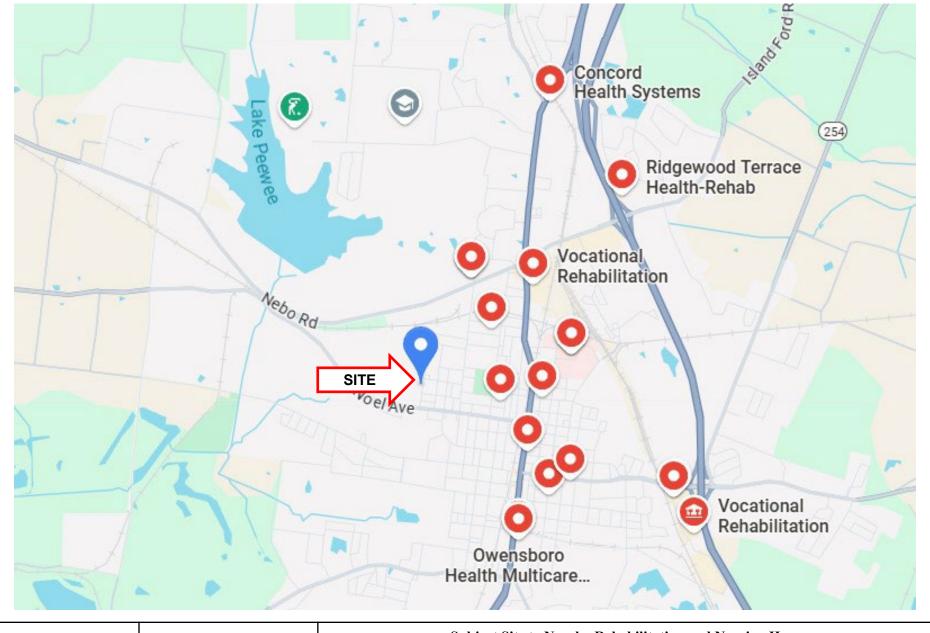


†		Subject Site to Nearby Doctors
l N		Madisonville, KY
	NTS	October 2024

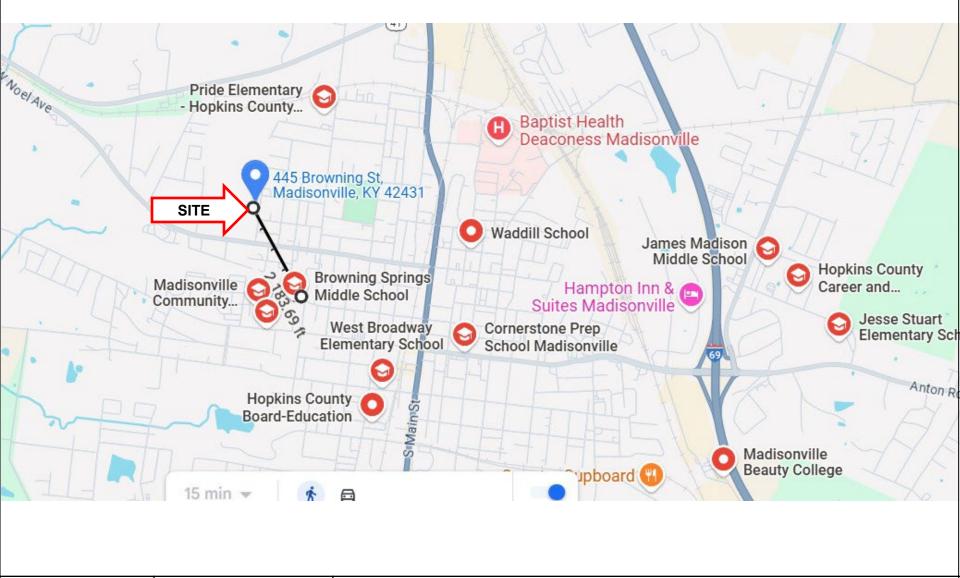


Subject Site to Nearby Mental and Physical Therapy
Madisonville, KY

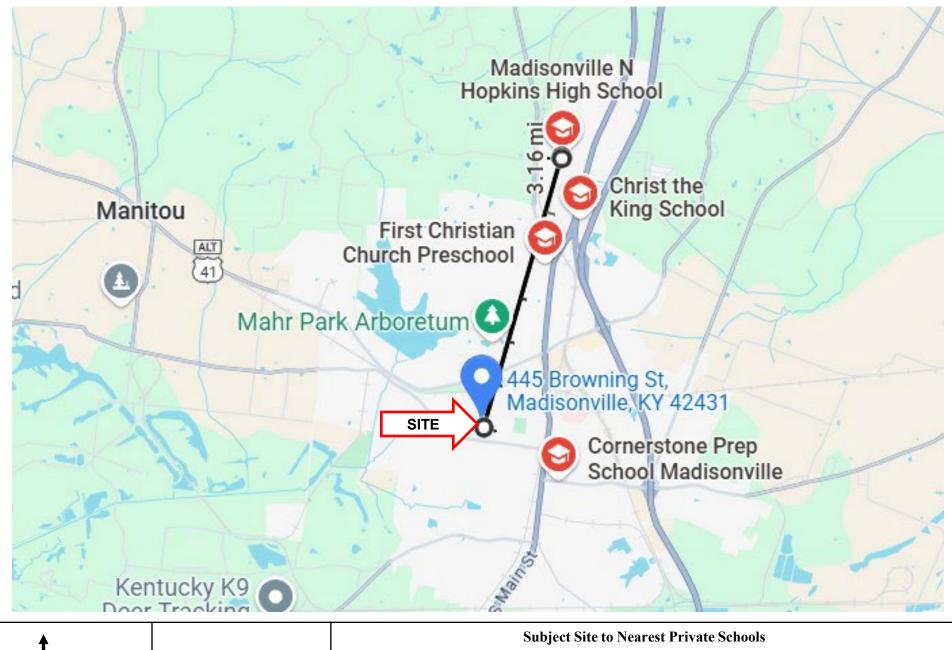
NTS
October 2024



1 _N		Subject Site to Nearby Rehabilitation and Nursing Homes Madisonville, KY
• • •	NTS	October 2024



† _{NI}		Subject Site to Nearby Schools Madisonville, KY
l N	NTS	October 2024



↑		Subject Site to Nearest Private Schools	
N		Madisonville, KY	
_	NTS	October 2024	

Schools

2022-2023 Kentucky School Report Card (https://www.kyschoolreportcard.com/organization/5586?year=2023)

Elementary Reading:
33% Proficient
19% Distinguished

Middle School Reading: 33% Proficient

12% Distinguished

High School Reading:

31% Proficient 13% Distinguished Elementary Math:

39% Proficient 15% Distinguished

Middle School Math:

27% Proficient 8% Distinguished

High School Math:

20% Proficient 10% Distinguished

Discover HCS (/10745) > Back to School 2024-2025

Back to School 2024-2025

2024-2025 School Year

Welcome to Hopkins County Schools for the 2024-2025 school year!

Have you completed online registration for your students? If not, please go ahead and complete this process! If you have questions, please contact your school.

Registration Hub

Upcoming Events

Open House, Schedule Pick-Up Times Set

A variety of open houses, orientations, and schedule pickup sessions are scheduled at our schools.

All elementary schools will participate in the Kindergarten Kick Off on August 5. This come-and-go event will run from 1-5 p.m. at each elementary school. Children must be accompanied by a guardian. This offers a chance to tour the school, meet teachers and staff, complete the kindergarten screening, and have fun!

Additional specifics at individual schools include the following:

Browning Springs Middle

 August 5 - Open House and Schedule Pickup (https://files.smartsites.parentsquare.com/4256/img_pd_134308_eoymrk.jpg), 3-6 p.m.

Grapevine Elementary

- August 5 Kinder Kick Off, 1-5 p.m.
- August 6 Kinder Orientation (Parent Meeting)
 (https://files.smartsites.parentsquare.com/4256/img_pd_134309_xgqkk2.jpg), 5:30 p.m.
- August 12 Open House (https://files.smartsites.parentsquare.com/4256/img_pd_134308_94qevw.jpg), 5-7 p.m.

Hanson Elementary

- August 5 Kinder Kick Off, 1-5 p.m.
- August 8 Open House
 (https://files.smartsites.parentsquare.com/4256/img_pd_134308_27boxt.jpg), 5-7 p.m.

Hopkins County Central High [https://files.smartsites.parentsquare.com/4256/img_pd_134308_hv2rk5.jpg)

- July 22 11th and 12th grade registration, 8:30 a.m.-3:30 p.m.
- July 23 9th and 10th grade registration, 8:30 a.m.-3:30 p.m.
- July 29 through July 31 New Student Registration by appointment
- August 9 Freshman Fun Day, 9 a.m.-11 a.m.

Hopkins County Career and Technology Center

 August 12 - Open House (https://files.smartsites.parentsquare.com/4256/img_pd_134309_7qhnlv.jpg), 2-6 p.m.

James Madison Middle

[https://files.smartsites.parentsquare.com/4256/img_pd_134308_zgxvku.jpg)

- August 5 6th grade orientation, 5-7:30 p.m.
- August 6 7th/8th grade schedule pick up, 3-6 p.m.

Jesse Stuart Elementary

[https://files.smartsites.parentsquare.com/4256/img_pd_134308_peesig.jpg)

- August 5 Kinder Kick Off, 1-5 p.m.
- August 6 Back to School Orientation
 - K-2nd grade, 4:30 5:30 p.m.
 - o 3rd-5th grades, 6-7 p.m.

Madisonville North Hopkins High

[https://files.smartsites.parentsquare.com/4256/img_pd_134308_wt0i2f.jpg)

- July 23 11th and 12th Grade Registration/Schedule Pickup, 1-5 p.m.
- July 29 10th Grade Registration/Schedule Pickup, 3-6 p.m.
- July 30 9th Grade Registration/Schedule Pickup, 3-6 p.m.
- August 5 Freshman Orientation, 8-11 a.m.

Pride Elementary (https://files.smartsites.parentsquare.com/4256/img_pd_134308_ywjrvf.jpg)

- August 5 Kinder Kick Off, 1-5 p.m.
- August 8 Open House, 5:30-7 p.m.

South Hopkins Middle (https://files.smartsites.parentsquare.com/4256/img_pd_134308_eifzqj.jpg)

August 6 - 7th and 8th Grade Open House, 4-6 p.m.; 6th Grade Orientation, 6 p.m.

Southside Elementary

- August 5 Kinder Kick Off, 1-5 p.m.
- August 8 Open House, 5-6:30 p.m.

West Broadway Elementary

[https://files.smartsites.parentsquare.com/4256/img_pd_134308_3fs0w5.jpg)

- August 5 Kinder Kick Off, 1-5 p.m.
- August 8 Open House, 5-6:30 p.m.

West Hopkins (https://files.smartsites.parentsquare.com/4256/img_pd_134308_61azsp.jpg)

- August 5 Kinder Kick Off, 1-5 p.m.
- August 12 Open House, 3:30-5:30 p.m.

Discover HCS(/10745_1)

Back to School 2024-2025	(/BACKTOSCHOOL)
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Safety	(/45204_2)
School Calendar	(/SCHOOLCALENDAR)
School Report Cards	(/42814_2)
Strategic Plan	(/STRATEGICPLAN)

Hopkins County Sch (https://homelandsecurity.kiyæyomása) feSchools/Pages/default.aspx)

320 South Seminary Street | Madisonville, KY 42431essibility (/accessibility) (https://www.google.com/maps/place/320+South+Seminary+Street+Madisonville+KY+42431) Login (/index.php?pageID=login)

Phone 270-825-6000 (tel:2708256000)

Fax 270-825-6072 (fax:2708256072) ·

web.master@hopkins.kyschools.us

(mailto:web.master@hopkins.kyschools.us)

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(https://www.parentsquare.com)



Andy Beshear Governor

OFFICE OF THE GOVERNOR DEPARTMENT FOR LOCAL GOVERNMENT

100 AIRPORT ROAD, THIRD FLOOR FRANKFORT, KENTUCKY 40601 PHONE (502) 573-2382 FAX (502) 227-8691 www.kydlgweb.ky.gov Dennis Keene Commissioner

February 29, 2024

Mr. Anthony Elmore Wabuck Development Company, Inc. 100 Wabuck Drive Leitchfield, KY 42754

RE: Harper Village

SAI# KY202401290120

CFDA# 14.239

Dear Mr. Elmore:

The Kentucky State e-Clearinghouse is the official designated Single Point of Contact (SPOC) for the Commonwealth pursuant to Presidential Executive Order 12372, and supported by Kentucky Statutes KRS 45.031. The primary function of the SPOC is to streamline the review aforementioned process for the applicant and the funding agency. This process helps in vocalizing the statutory and regulatory requirements. Information in the form of comments, if any, will be attached to this correspondence.

This proposal has been reviewed by the appropriate state agencies in the e-Clearinghouse for conflicts with state or local plans, goals and objectives. After receiving this letter, you should make it available to the funding agency and continue with the funding agencies application process. This e-Clearinghouse SPOC letter signifies only that the project has followed the state reviewing requirements, and is neither a commitment of funds from this agency or any other state or federal agency. Please remember if any federal reviews are required the applicant must follow through with those federal agencies.

The results of this review are valid for one year from the date of this letter. If the project is not submitted to the funding agency or not approved within one year after the completion of this review, the applicant can request an extension by email to Lee.Nalley@ky.gov. If the project changes in any way after the review, the applicant must reapply through the e-Clearinghouse for a new review. There are no exceptions.

If you have any questions regarding this letter or the review process please contact the e-Clearinghouse office at 502-892-3462.

Sincerely,

Lee Nalley, SPOC

Kentucky State Clearinghouse

Attachment



Department for Environmental Protection

Louanna Aldridge

This review was based upon the information that was provided by the applicant through the Clearinghouse for this project. An endorsement of this project does not satisfy, or imply, the acceptance or issuance of any permits, certifications, or approvals that may be required from this agency under Kentucky Revised Statutes or Kentucky Administrative Regulations. Such endorsement means this agency has found no major concerns from the review of the proposed project as presented other than those stated as conditions or comments.

401 KAR 63:010, Fugitive Emissions, states that no person shall cause, suffer, or allow any material to be handled, processed, transported, or stored without taking reasonable precaution to prevent particulate matter from becoming airborne. Additional requirements include the covering of open bodied trucks, operating outside the work area transporting materials likely to become airborne, and that no one shall allow earth or other material being transported by truck or earth-moving equipment to be deposited onto a paved street or roadway. Please note the Fugitive Emissions Fact Sheet located at http://air.ky.gov/SiteCollectionDocuments/Fugitive%20Dust%20Sheet.pdf

401 KAR 63:005 states that open burning shall be prohibited except as specifically provided. Open Burning is defined as the burning of any matter in such a manner that the products of combustion resulting from the burning are emitted directly into the outdoor atmosphere without passing through a stack or chimney. However, open burning may be utilized for the expressed purposes listed on the Open Burning Brochure located at http://air.ky.gov/Pages/OpenBurning.aspx

All solid waste generated by this project must be disposed at a permitted facility. If underground storage tanks are encountered they must be properly addressed. If asbestos, lead paint, and/or other contaminants are encountered during this project, they must be properly addressed.

Constructions located in floodplains require Division of Water (DOW) prior approval. If the construction area disturbed is 1 acre or more, the applicant will need to apply for a Kentucky Pollutant Discharge Elimination System storm water discharge permit.

Utility line projects that cross a stream will require a Section 404 permit from the US Army Corps of Engineers and a 401 Water Quality Certification from DOW.

Best Management Practices (BMPs) should be utilized to control storm water runoff and sediment damage to water quality and aquatic habitat. For technical assistance on the kinds of BMPs most appropriate for housing and related construction, please contact the local Soil and Water Conservation District or the Division of Conservation.

WATER SUPPLY - If an existing water server is to be utilized for new water tap-ons (rehabilitations, new constructions), ascertain the capacity and operating condition of the originating water treatment plant and of the server (if different) in comparison to the water needs of the proposed housing. DOW cannot permit connections to water servers under tap-on bans, Agreed Orders, or Court Orders. DOW may not give approval to connections to water systems operating near, at, or over capacity. If a new water source is to be utilized, ascertain the source's (stream's or well's) low flow ability to serve the proposed housing. Prior approval from DOW is required for water withdrawals of over 10,000 gallons per day and for all public drinking water. Final plans and specifications are subject to review by DOW.

WASTEWATER TREATMENT - If an existing wastewater server is to be utilized for new wastewater tap-ons (rehabilitations, new construction), ascertain the capacity and operating conditions of the receiving wastewater treatment facility (wastewater treatment plant or package sewage treatment plant) and of the server (if different) in comparison to the wastewater needs of the proposed housing. DOW cannot permit connections to wastewater servers under tap-on bans, Agreed Orders, or Court Orders. DOW may not give approval to connections to

wastewater systems at or over hydraulic capacity. If a new wastewater treatment, facility is to be utilized, ascertain the discharge stream's ability to absorb the proposed housing's treated wastewater.

DOW notes the requirements of onsite sewage disposal statutes, KRS 211.350 to 211.380, and administrative regulations, 902 KAR 10:060 to 10:110, must be met. DOW requests provisions be made for future connections to a wastewater treatment system. A Groundwater Protection Plan, as required by 401 KAR 5:037, needs to be prepared by all onsite wastewater system owners. Contact the DOW regarding requirements.

Prior approval from DOW is required for all discharges into streams and for all wastewater treatment facilities. DOW reminds the applicant to seal abandoned wastewater service connections.

Your project might have the potential of impacting federally or state listed species and natural communities. Go to the Kentucky Biological Assessment Tool (kynaturepreserves.org) to obtain a Standard Occurrence Report for information regarding listed species known within your project area. The report will also provide information on public and private conservation lands, areas of biodiversity significance, and other natural resources in your project area for which the Office of Kentucky Nature Preserves maintains data.

Department of Housing Buildings and Construction

Don Newberry

The Department of Housing Buildings and Construction, Division of Building Code Enforcement, has no comments concerning this proposed project. A building permit from the Local Jurisdiction will be required, prior to construction.

Kentucky Department of Fish & Wildlife

Emily Lawson

The following recommendations are provided as general guidance for development of private and grant-funded projects submitted to the Kentucky Dept. of Fish & Wildlife Resources for review. In general, impacts to fish and wildlife resources might be avoided and minimized by following the guidance provided below:

- Wetlands, Waterways, and Floodplains: The KDFWR requests that you coordinate the proposed project with the U. S. Army Corps of Engineers (USACE) and the Kentucky Division of Water (KDOW) prior to any work within the waterways or wetland habitats of Kentucky (including encroachment and/or fill in floodplains and waterways). KDFWR recommends minimizing stream encroachment and maintaining forested riparian buffers around stream banks. Forested riparian zones along streams provide numerous functions beneficial to fish, wildlife, and water quality. Forested riparian zones reduces erosion and siltation, one of Kentucky's leading causes of impairment in streams. Trees reinforce stream banks, slow runoff helping reduce flood peaks, and help to improve water quality. Trees provide important habitat along streams and serve as travel corridors for wildlife.
- Preventing fishkills: Avoid using wet concrete near waterways. Please refer to the KY Division of Water for recommended best management practices regarding concrete use near streams. Uncured (wet) concrete released into streams and waterways causes significant fish kills. If concrete is required, prevent its release into streams by using pre-formed concrete structures or separating work areas from stream water by coffer dam or other method. Construction water that contains concrete slurry should not be released into streams. It can be pumped into a containment in an upland area away from stream water to safely dispose of it or it can be aspirated with carbon dioxide to make it non-toxic.
- Erosion control to minimize impacts to the aquatic environment: KDFWR recommends that erosion control measures be developed and implemented prior to construction to reduce siltation into waterways located within/near the project area. Such erosion control measures may include, but are not limited to silt fences, staked straw bales, brush barriers, sediment basins, and diversion ditches. Erosion control measures will need to be

inspected regularly and repaired as needed. If blanket-style matting is used for erosion control, please avoid using the nylon monofilament netting as it can entangle and kill wildlife. An alternative blanket style control is organic coir matting, which degrades naturally and provides excellent soil protection and moisture retention for seed germination—as well as controlling erosion runoff without unnecessarily impacting wildlife.

- USFWS Coordination for compliance with the Endangered Species Act: Please coordinate with the US Fish and Wildlife Service for compliance with the Endangered Species Act and specific recommendations to minimize adverse effects to listed species, if the project is federally funded or near known occurrences of listed species. Limit tree clearing where possible. If clearing is unavoidable, please limit clearing to trees less than 3" diameter and do the cutting between November and March. This will minimize impacts to many species of bats, several of which are listed as threatened or endangered on the federal Endangered Species Act.
- Reducing hazards to migratory and songbirds: Kentucky is in the range of numerous migratory birds including songbirds and provides important habitat. Telecommunications towers and associated aerial utilities can have a significant impact to birds that is disproportionate to the small footprint of such projects. Birds are killed when they collide (strike) with these structures and associated wires. It is not well understood why this mortality occurs, but evidence suggests that night-migrating songbirds may be attracted to or disoriented by tower warning lighting systems. Bird strikes may be reduced with avoidance measures such as marking guide wires, using blinking lights instead of constant (nonintermittent) lighting, and running wires underground where possible. Please refer to the helpful guide prepared by the US Fish and Wildlife Service-Migratory Bird Program (usfws-communication-tower-guidance.pdf).

Kentucky Transportation Cabinet, District 2

Nick Hall

Browning Street is not a State route, but the property appears to possibly border KY 1178 as well. If there will be any impacts to KY 1178, please read comments below:

The Kentucky Department of Highways is responsible for controlling both public and private usage of right-of-way of the State road system. Any firm, individual, or governmental agency desiring access to a State road or desiring to perform any type of work (including signage) on State right-of-way must obtain a permit from the Department.

To obtain the necessary permits and/or discuss the details of this project, please contact our District Office in Madisonville at the following address/number:

Mr. Tate Byrum P.E., TEBM for Engineering Support Kentucky Department of Highways 1840 North Main Street Madisonville, Kentucky 42431 Telephone (270) 824-7080 Fax (270) 824-7091

This review was based upon the information that was provided by the applicant through the Clearinghouse for this project. An endorsement of this project does not satisfy, or imply, the acceptance or issuance of any permits, certifications or approvals that may be required from this agency. Such endorsement means this agency has found no major concerns from the review of the proposed project as presented, other than those stated as conditions or comments.

KY Heritage Council

Yvonne Sherrick

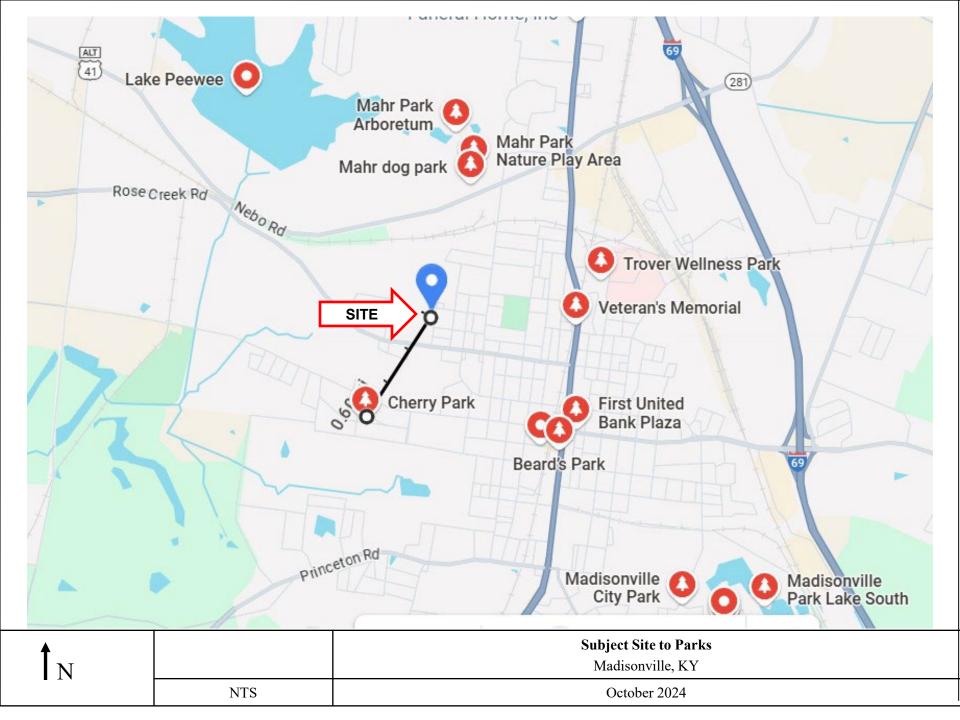
To receive a review from the KY Heritage Council/State Historical Preservation Office (SHPO) you must follow the instructions located on their website at https://heritage.ky.gov/compliance/Pages/overview.aspx. There you will find the required documents for the Section 106 Review and Compliance for 36 CFR Part 800. This Section 106 submission process to SHPO will assist applicants and agencies in providing the appropriate level of information to receive comments from SHPO. If you have any questions please contact Yvonne Sherrick, via email at yvonne.sherrick@ky.gov.

Please note: If your project is funded through Transportation Alternative (TAP), Transportation Enhancements (TE), Congestion, Mitigation, Air Quality (CMAQ), or Safe Routes to School (SRTS) you will need to send this information to Michael Jones, Historic Preservation Program Administrator with the Kentucky Transportation Cabinet via email to Michael R.Jones2@ky.gov or hard copy to Michael Jones, Office of Local Programs, KY Transportation Cabinet, 200 Mero Street Frankfort, KY 40622. Do not send materials directly to SHPO if your project involves funding from these four sources as it will cause delays in the review process. Michael Jones will consult directly with the SHPO on projects with these funding sources to complete the Section 106 review.

Purchase Area Development District

Mattea Mitchell

The review was based upon the information that was provided by the applicant through the clearinghouse for this project. The project does not appear to conflict with the mission and goals of the Purchase Area Development District.



About

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Helpful Links

PARKS AND RECREATION

The City of Madisonville is fortunate to have more than a dozen parks and recreational facilities scattered throughout the community. They range in sizes from roadside parks of less than an acre to more than 200 acres. The Madisonville Parks and Recreation Department is committed to improving the quality of life for all Madisonville citizens by providing a wide variety of leisure activities, facilities and services that encourage health, fitness, relaxation, enjoyment, fun and learning, as well as, providing opportunities for community involvement, appreciation and care of the natural environment with the provision of open space parks.



Parks and Recreation
Superintendent
CALEB NELSON

CONTACT

Phone: 270-824-2157

Email: CNelson@madisonvillegov.com

800 McCoy Ave., Madisonville, KY

Madisonville City Park

Home to a 9-hole golf course, 18-hole mini-golf course, world-class 18-hole disc golf course, painted history of Madisonville, Elmer Kelley Stadium, playground, dog park, community pool, splash pad, as well as lush grassland and beautiful lake, perfect for fishing!

Amenities include:

- · Playground for children
- · Nine Hole Golf course

- 18 Hole miniature golf course
- 18 hole Disc golf course
- · Picnic shelters and tables
- · Walking and biking trails
- · Two Tennis and Four Pickle Ball courts
- Baseball field used by the North Hopkins Maroons and Madisonville Miners
- · Basketball court
- Amphitheatre
- · Stage for music or festivals
- Restrooms
- pavilions for events and gatherings
- Open green spaces for various activities
- · Swimming pool and splash pad
- Club Room available to rent for wedding, shoers, birthday parties and events

For Questions about Events, Park Rentals, and City Park Clubhouse: 270-836-5761



POOL

Pool Hours: 11AM - 5PM Monday - Saturday

1PM - 5PMSunday

Splash Pad Summer Hours: 10 AM - 8 PM

Pool Office: 270-824-2155



GOLF, MINI GOLF, AND PRO SHOP

Hours (October - May): 8 AM - 7 PM Sunday - Thursday 8 AM - 8 PM Friday - Saturday

Thursday Mini Golf:

Adults \$5

Under 18 \$3

Pro Shop: 270-824-2156



RENTAL RATES

Single kayak - \$20 for 2 hours Tandem kayaks - \$30 for 2 hours Paddleboards - \$20 for 2 hours

FACILITY RENTALS

Clubhouse - \$125 deposit \$250 alcohol deposit



593 Hopewell St., Madisonville, KY

Dr. Festus Claybon Park

- · Playground equipment
- Picnic areas with tables and grills
- Walking trails
- · Basketball courts
- Baseball fields
- Football/Soccer fields
- Splash Park
- Restrooms
- · Parking lot
- Open green spaces for recreational activities

Please call <u>270-824-2157</u> for Splash Pad Hours of Operation

LARRY CARNEY CENTER

Community Center offering activities, event rentals and is the home of the summer recreational program.

Phone: 270-836-5761 (Please leave a message if there is no answer.)



Carney Center Rental Rates

\$50 deposit \$100 alcohol deposit Half day rental (8am-3 pm OR 5pm-12am) - \$50 All day rental (8am-12am) - \$100

851 Bell Dr., Madisonville, KY

CHERRY PARK

- Playground equipment for children to play
- Four Pickleball courts for recreational play no reservations are required!
- · Ample parking for easy access to the park

Phone: <u>270-824-2157</u>



109 Sugg Street, Madisonville, KY

Madisonville Skate Park

A 3,000 square foot area boasting handrails, a bowl, pipe ramps and other obstacles for skates of all ages.

- Concrete skateboarding area
- Various ramps, rails, and obstacles for skaters of all skill levels
- · Benches for resting or watching others skate
- · Lighting for nighttime skating
- · Restrooms nearby
- · Parking facilities
- Nearby shops and restaurants for convenient refreshments after skating



2205 Grapevine Road, Madisonville, KY

Grapevine Lake Recreational Park

Grapevine Lake has 8.2 miles of hiking trails or biking trails.

• Boat ramps for easy access to the lake for fishing

- Picnic areas with tables for outdoor dining
- Restrooms for visitors
- Hiking and biking trails that wind through the scenic landscape surrounding the lake









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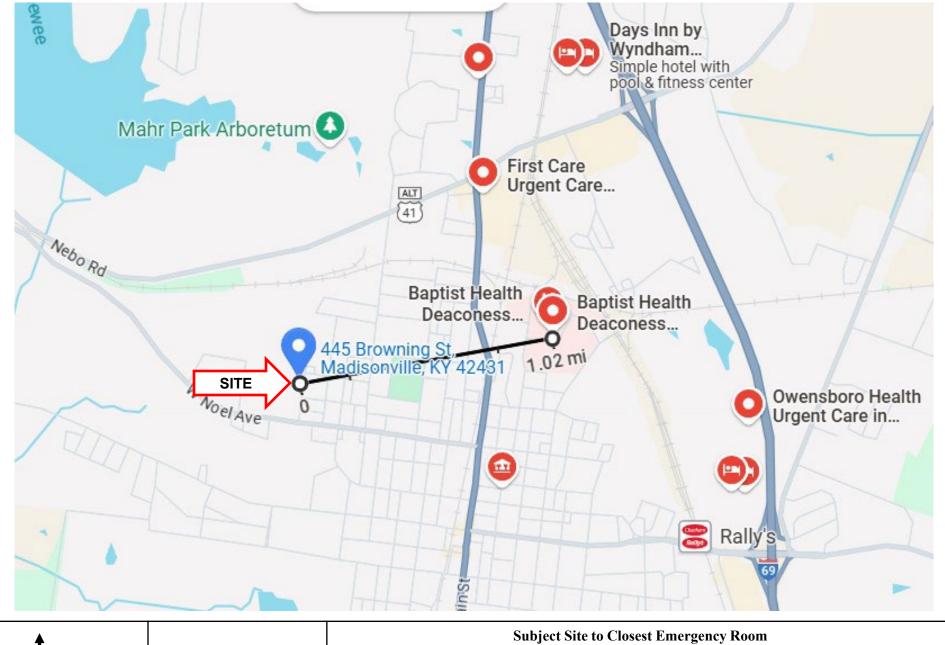
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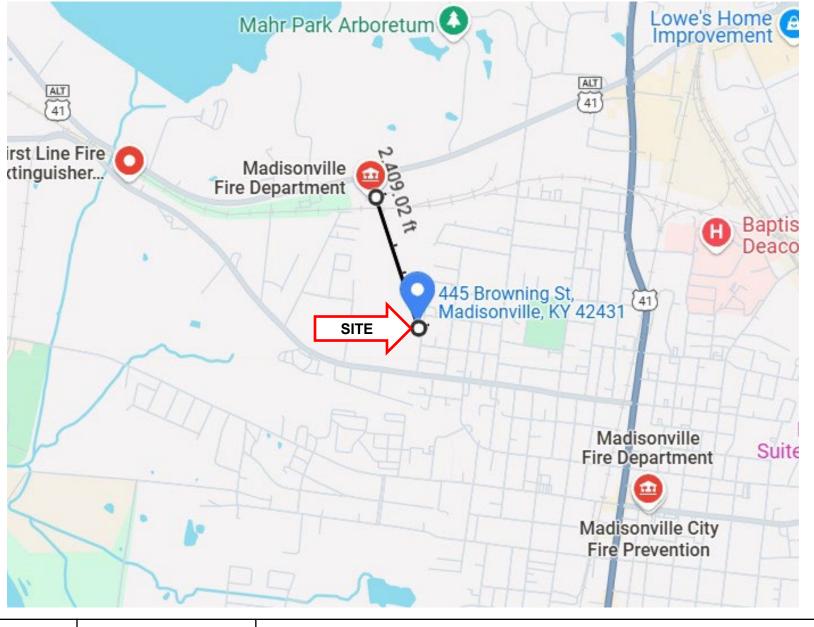
T: (270) 824-2100

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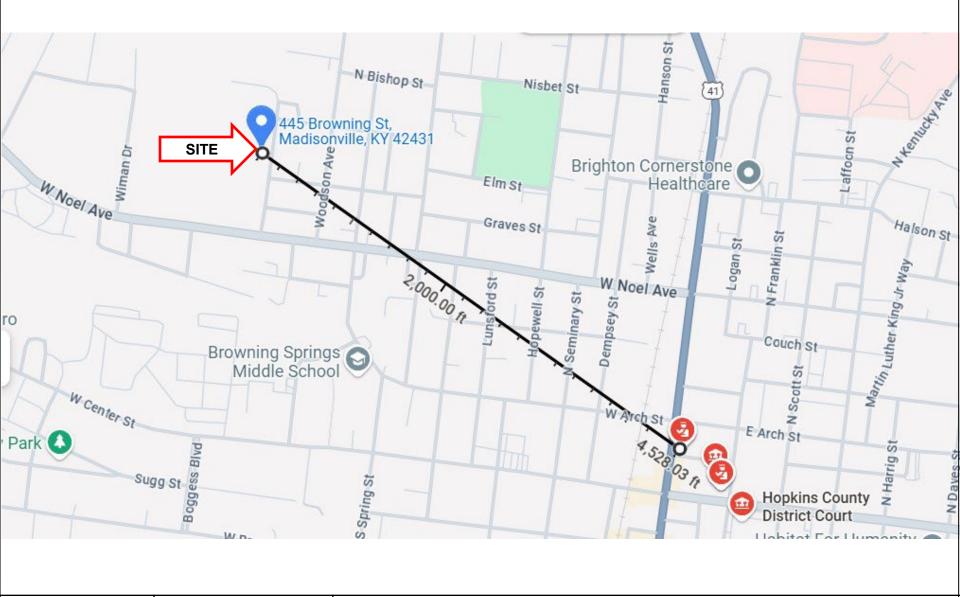
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†		Subject Site to Closest Emergency Room			
l N		Madisonville, KY			
	NTS	October 2024			



1 N		Subject Site to Closest Fire Station Madisonville, KY
• • •	NTS	October 2024



↑ _N		Subject Site to Closest Police Station Madisonville, KY			
111	NTS	October 2024			

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TO SERVE & PROTECT

Madisonville police Department

The mission of the Madisonville Police Department is to enhance the quality of life in our community by working in partnership with the community and in accordance with constitutional rights to enforce the laws, preserve the peace, reduce fear, and provide for a safe environment.

Contact



ACCIDENT REPORTS

MPD will provide reports during regular business hours for a \$3.00 fee per report.

Payments accepted in money orders or cash only. Or click below to obtain your report through buycrash.

Report Here



GET INVOLVED

Learn about the safety of our community by checking our daily crime mapping.

Click below to view the community crime map.

View Map

CRIME STOPPERS

Crime Stoppers is a partnership between the community, the media and our law enforcement officers, whose mandate is to "work together to solve and prevent crime."

DEPARTA

An agency is o Find out the int responsible for

Learn More Downlo



Citizen's Police Academy

The Citizen's Police Academy is a revolutionary concept in law enforcement that provides citizens with a better understanding of the role of law enforcement. The Citizen's Police Academy will offer citizens insight into how members of The Madisonville Police Department perform their duties and promote better police/community relations. To be considered for the Citizen's Police Academy, an applicant must be a resident of or work in the City of Madisonville or Hopkins County, pass a criminal history check, possess a valid Kentucky driver's license, be at least 18 years of age and have no prior felony convictions.

Download Application

Safe Exchange Zone

MPD has created a "Safe Exchange Zone" to provide an exchange location for Internet purchase exchanges, as well as, child custody exchanges. The two spaces are just outside the main entrance to the Police Department and under 24-hour video surveillance. There are no time restrictions when transactions are to occur, but we advise for exchanges to take place during daylight hours. You do not need to make an appointment to make transactions.

Download





EMPLOYMENT OPPORTUNITIES

Join our force dedicated to protecting our community when you learn about opportunities to become a police officer, dispatcher, call-taker or civilian employee.

Employment Opportunities

A SAFER COMMUNITY

Knowledge is power. When you take the time to watch our full presentation you are helping to make this community a safer place for you and those around you.





BUSINESS SAFETY

Download

BURGLARY SAFETY

Download



With Alerts powered by Smart911, you can sign up for notifications from Hopkins County to keep you informed of weather, traffic, and other emergencies. Hear immediately about life-saving actions you should take to keep yourself and your family safe. You control the types of notifications you receive and can select how and when you want to be notified.

Sign up for Alerts powered by Smart911 today to take a large step toward improving your safety and preparedness.

Sign Up Now



CONTACT THE MPD

CONTACT
(270) 824-2112
mpd@madisonvillepd.com

ADDRESS 99 E Center St, Madisonville, KY 42431, United States



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EACH CALL IS HANDLED WITH THREE PRIORITIES:

1. Life Safety 2. Property Conservation 3. Incident Stabilization



MORE ABOUT MFD

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Mission

Home Fire Safety Tips

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CHECKLISTS AND **FACT SHEETS**

Fire Escape Planning

Cooking Fire Fact Sheet

Children & Home Fires Fact Sheet

Carbon Monoxide Poisoning Facts

Power Outage Checklist

Flood Safety Checklist

Winter Storm Safety Checklist

Earthquake Safety Checklist



















WHO WE ARE & WHAT WE DO

We are your neighbors, wives, brothers, fathers, husbands, sisters, daughters, sons and friends. We are the men and women who put on a uniform each and every day to do what we can to ensure the safety of those around us and the environment that we live in. We don't do it for glory, we don't do it for ourselves, we do it for you and our children. We aim to make our community as safe as it can possibly be and we vow to be there to help make your nightmare end in the worst case scenarios.

We are active learners. We are vigorous in our training. We are a team of individuals who partner together for a common purpose. We purse safety and peace of mind for all. We are educators. We are listeners. We are the phone call you don't want to make but who promise to always be there in your time of need.

During the last year, our firefighters went on 1,724 service calls, where 1,270 calls were EMS related and 454 calls were fire related. A goal of Fire Chief Jason Eli is to have the vast majority of all personnel certified as an EMT to ensure the best possible care to our citizens. The average response time for 2018 was 4 minutes and 28 seconds from time of call to arrival on scene, which is better than the state average.

In case of an Emergency, please dial 911 Immediately.



FIRE CHIEF JASON ELI



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Waste Water Treatment DEPARTMENT

Contact

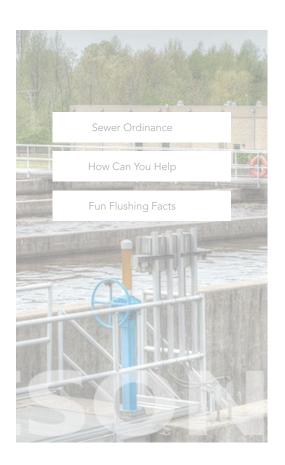
WHAT WE DO

ABOUT WASTE WATER TREATMENT

Built in the years of 1995-96, the wastewater treatment plant was designed to treat biological wastes using an oxidation ditch process. Other equipment includes two fine screens, two 110' diameter clarifiers, two gravity thickeners for sludge holding, and an ultra-violet disinfection system. The plant is designed to treat an average daily flow of 6.0 million gallons per day and currently averages 5.2 million gallons a day treated flow. Wastewater is generated from the City of Madisonville and the cities of Hanson and Earlington.

Nine employees operate the treatment plant and its pretreatment program. All operators are certified by the Kentucky Division of Water. The treatment plant has received numerous operations awards including the "EPA Region IV Operations and Maintenance Excellence Award".

The wastewater plant offers a fully approved Industrial Pretreatment program. Through the program, coordinators work with local industries to assure their effluent waste complies with EPA standards and regulations.





SUPERINTENDENT



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WATER DISTRIBUTION DEPARTMENT

We pledge at the Madisonville Water Distribution Department to provide safe and pure drinking water at the lowest possible cost while maintaining the water system. We also strive to provide exemplary customer service by reacting in a timely, professional manner to all inquiries, problems, and requests from the public.

Contact

WATER DISTRIBUTION RATES

INSIDE CITY

\$13.00 for first 1,000 gallons, \$6.98 for next 19,000 gallons and \$5.53 for over 20,000 gallons.

OUTSIDE CITY

\$19.49 for first 1,000 gallons, \$10.47 for next 19,000 and \$8.31 for over 20,000 gallons.

*use of 4 million gallons must be negotiated by Mayor.

Norma

1 bath = 42 gallons 1 shower = 17 gallor 1 load of clothes = 1 flush toilet = 3 gallor

DID YOU KNOW?

The City of Madisonville Water Distribution system is made up of approximately 200 miles of main lines. These lines are constructed of different materials with 1% being galvanized pipe, 13% PVC, 39% cast iron, and 47% ductile iron. The water mains range in size from 2" to 16".

The system is also made up of 1420 fire hydrants and approximately 83 dead end valves. The fire hydrants and dead-end valves are flushed 2 times a year and flow tested every other year. This flushing program helps water quality and also ensures that all fire hydrants are working properly when they are needed to fight fires, along with other invaluable information that this program provides.

The water distribution system serves approximately 10,000 customers, residential as well as commercial customers, with services ranging from a $\frac{3}{4}$ inch to 10 inches.

The City of Madisonville has 4 water storage tanks located at S. Kentucky Ave. (J. W. McCoy) 1,000,000 gallons, Industrial Park (Homer Welborn) 1,000,000 gallons, Hanson Rd. (Harold Berry) 1,100,000 gallons and Quinten Dr. (Grampian Hills) 3,000,000 gallons.





SUPERINTENDENT KEITH BROWNING

CONTACT

Phone: (270) 824-2140

Email: kbrowning@madisonvillegov.com

Hours

Weekdays from 6:00 AM to 4:00 PM

For Emergencies: (270) 821-1720



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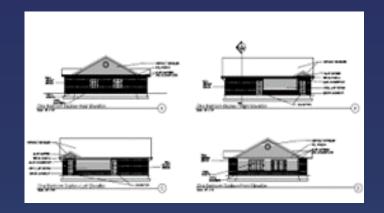
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Market Study

Harper Village Approximately 445 Browning Street, Madisonville, KY 42431 Report Date: March 13, 2024



FOR:

Wabuck Development Company, Inc Mr. Garry Watkins 100 Wabuck Drive Leitchfield, KY 42754

Valbridge Property Advisors | Kentucky

9401 Williamsburg Plaza, Suite 204 Louisville, KY 40222 502.585.3651 phone 502.589.7480 fax valbridge.com

Valbridge File Number: KY01-24-0088



9401 Williamsburg Plaza, Suite 204 Louisville, KY 40222 502.585.3651 phone 502.589.7480 fax valbridge.com

March 13, 2024

Mr. Garry Watkins Wabuck Development Company, Inc. 100 Wabuck Drive Leitchfield, KY 42754

RE: Market Study

Harper Village

Approximately 445 Browning Street Madisonville, Hopkins County, KY 42431

Dear Mr. Watkins:

In accordance with your request, we have prepared a market study of the above referenced property. The purpose of the market study is to analyze the subject's market area by (a) characterizing the subject's market place; (b) identifying the supply and demand forces within the marketplace; and (c) projecting the absorption period for the subject's residential units as proposed based on competing properties within the subject's market place. The intended use of this market study is to assist the user in the underwriting process of the above project. Submitted herein is the report, which includes the factual data and methodologies utilized to arrive at the conclusion.

The subject property, as referenced above, is located at approximately 445 Browning Street, Madisonville, KY 42431 and is further identified as part of tax parcel number M-21-3-3. The subject site is 5.08 acres of a 10.78 acre parcel. Currently the 5.08-acre site is vacant land. A proposed 32-unit family-oriented LIHTC property will be built on the site.

The market study is intended to meet the minimum standards of the Code of Professional Ethics and Standards of Professional Practice of the Appraisal Institute, and the Uniform Standards of Professional Appraisal Practice (USPAP) of the Appraisal Foundation. It is also in compliance with the National Council of Housing Market Analysis (NCHMA) reporting requirements and Kentucky Housing Corporation's current market study guidelines, and the requirements of our client as we understand them.



Wabuck Development Company, Inc. is the client in this assignment. The intended user(s) of this report include Wabuck Development Company, Inc., Kentucky Housing Corporation (KHC), Affordable Housing of Hopkinsville, Inc., the Kentucky Department for Local Government, Ohio Capital Corporation for Housing (OCCH), German American Bank, and no others. The intended use of this report is for submission with the developer's bond issue application to Kentucky Housing Corporation for the Western Kentucky Disaster Response initiative. Affordable Housing of Hopkinsville, Inc. and Wabuck Development Company, Inc. are co-developers.

The depth of discussion contained in this market study is specific to the needs of the client and for the intended use stated within. The appraiser is not responsible for unauthorized use of this report. The value opinions reported herein are subject to the definitions, assumptions and limiting conditions, and certification contained in this report.

The acceptance of this appraisal assignment and the completion of the appraisal report submitted herewith are subject to the General Assumptions and Limiting Conditions contained in the report. The findings and conclusions are further contingent upon the following extraordinary assumptions and/or hypothetical conditions which might have affected the assignment results:

Extraordinary Assumptions:

- Information provided by the developer was relied upon in determining the size of the units and physical characteristics of the proposed development. If the improvements are constructed in a manner different than presented in the description of improvements of this report, the conclusions herein may be invalid.
- We have utilized demographic data from Esri Demographics, a leading provider or Census demographic data within the United States. We compared the current 2023 – 2028 projections to demographic data from August 2021, four months prior to the tornado, which used 2021 – 2026 projections. The population and number of households decreased for the measured time period. As such, while we were not able to confirm the demographic data was completely accurate and reflective of the tornado's effect on the population and households, it at least patterns a decreasing population and household trend that may have been accelerated by the tornado. Discussions with Census Bureau officials and a demographer with Claritas (another nationally recognized demographic data provider), indicated that rarely in smaller markets, such as Madisonville, is demographic data updated immediately following a natural disaster, unless it coincides with a Census year. Therefore, it is not likely that the Census data is completely accurate. We held discussions with several local officials, but no current updated demographic data is known to exist. Many affected households moved in with family or into available rental units in the larger Western Kentucky region. According to property managers and the Dawson Springs and Madisonville Housing Authorities, many affected families moved to Madisonville, thus are still within the same county. For purposes of analysis, we have assumed the demographic data utilized herein to be reasonably accurate for the PMA and County, but we have considered the possibility it does not fully account for displacement following the tornado in our estimates and demand assumptions. Should the demographic data be found to be significantly inaccurate or not reflective of the displacement from the tornado that occurred in December 2021, our estimates of demand may be invalid.



• The subject development will use modular construction on all 32 units. The modular units will be built off-site in a controlled environment and shipped to the site for final assemblage and build-out. The building materials and construction methods are assumed to meet local building codes and KHC requirements. Interior finish and amenities will reportedly be similar or superior to ground up construction. As such, from a market perception perspective no discernable differences between the proposed modular construction and ground up construction are anticipated. Should our understanding of the proposed construction, as described herein, be incorrect or building materials and finishes be inferior to normal LIHTC development, our conclusions may be invalid.

Hypothetical Conditions:

None.

Respectfully submitted, Valbridge Property Advisors | Kentucky

John Cloern

Certified General Real Property Appraiser

Kentucky License #4263

Expiration Date: 07-01-2024

Jonathan S. Beery, MAI

Certified General Real Property Appraiser

Kentucky License #4057 Expiration Date: 07-01-2024



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Executive Summary

Subject Property Description

The subject of this market study is the construction of a 32-unit low-income housing tax credit (LIHTC) project. This development will be a family-oriented apartment complex consisting of one, two, and three-bedroom units located in Madisonville, Hopkins County, KY 42431. Affordable Housing of Hopkinsville, Inc. and Wabuck Development Company, Inc. are co-developers.

Immediately surrounding the subject are vacant land and Winman Gardens Apartments to the west, single family homes to the north, vacant land and Praise Temple to the south, and single family homes to the east.

Current Supply

The subject will be a family-designated LIHTC property that does not have project based rental subsidies available for tenants such as would be available in a typical Section 8 or Rural Development property. Since the minimum qualifying income for the subject's tenants is higher than the income of the vast majority of Section 8 tenants, Section 8 properties do not compete directly with the subject. Therefore, other family-oriented LIHTC properties comprise the primary competition for the subject's units.

According to the published KHC list of affordable properties and our own internal database, there are only two LIHTC apartment developments in Hopkins County that do not have rental subsidies. These two properties are Comp 1 and Comp 2. In order to assess occupancy levels, newly constructed LIHTC developments located in surrounding markets including Hopkinsville, and Cadiz have also been utilized (Comps 3-5). The map below shows the location of each comparable. Detailed comp sheets follow. With respect to a comparison of the subject to Comps 1 and 2, the subject's rents are lower, has slightly superior age and condition, the unit and common amenities are inferior, the unit sizes are larger, and the utility structures are the same.

The weighted average occupancy rate of the competing subsidized properties is 96.0%.

Income and Rent Analysis

The minimum and maximum incomes, restricted rents, market rents, and proforma rents of the subject, as proposed, are summarized in the table on the following page.

Demand

Generally, in an economically stable market, a capture rate of up to 20% is considered typical and highly feasible, and 20% to 30% is achievable, but above that level is generally considered marginal. In a rapidly growing market, or a small market with limited competition, higher (in some cases significantly higher) capture rates are achievable.

As shown, the total capture rate in the PMA is 8.4% indicating very good demand for the subject's units. The one and two-bedroom 60% units, which in the capture rate table include the RHTF units since they use the same minimum and maximum incomes, are the highest capture rate, and they are still only 10.1% and 10.7%, respectively, again indicating very good demand.

Based on the above calculations, there is very good overall demand in the PMA for the subject's units.



Absorption

Though no specific absorption rate was obtained, the property manager for Winman Gardens, a family oriented LIHTC property very similar to the subject, leased up quickly upon completion of construction. Winman Gardens had 44 households on the waiting list as of December 2023.

According to Ms. Ashyia McFarland, the Section 8 Coordinator who oversees Housing Choice Vouchers in Hopkins County, there is a housing crisis in Madisonville due to a shortage of HCVs being utilized by displaced tenants in Dawson Springs who are taking precedent for usage. She stated a lot of Dawson Springs renters moved to Madisonville and quite a few were voucher holders. Ms. McFarland was not able to provide a breakdown of vouchers in circulation or the length of the waiting list. Though the subject property will not offer rental assistance, the subject's rents are very affordable and have a significant market rent advantage. No doubt some of the families Ms. McFarland is referring to could very well be future tenants for the subject property.

Given that the Winman Gardens waiting list by itself exceeds the subject's number of units, we project the subject's units will be absorbed within three months of completion of construction, or 10.35 units per month. We would estimate that the units will be absorbed immediately upon absorption, however, some of the subject's qualifying income bands are narrow and it might take a period of time to find prospective tenants that income qualify. The three-month period after completion should be sufficient to reach stabilized occupancy.

This is well supported by absorption rates of other reasonably similar LIHTC properties in the region, as shown in the table below.

Comp #	Property	Location	Region	# of Units	Began Leasing	Reached Stabilization	Approx. Monthly Absorption Rate	
	LIHTC Properties							
1	Little River Landing	Hopkinsville, KY	Western KY	88	Apr-23	Dec-23	11.0	
2	Linda's Place	Shepherdsville, KY	Central KY	87	Apr-22	Oct-22	14.5	
3	Breas Crossing II	Shelbyville, KY	Central KY	37	2021-2022	Leased as Finished	N/A	
4	Emma Rose	Cadiz, KY	Western KY	41	Jun-21	Nov-21	8	
5	Kirkman Terrace	Hopkinsville, KY	Western KY	45	Dec-20	Jul-21	6.0	
6	Payton Landing	Bowling Green, KY	Southwestern KY	76	Nov-19	Apr-20	12.0	
						Monthly Avg.	10.3	

ABSORPTION RATES

Strengths and Weaknesses/ Conclusions and Recommendations

The subject will be a 32-unit new construction project with a site that has close proximity to many neighborhood amenities. The subject offers a good selection of one, two, and three bedroom floor plans. Based on the 8.4% KHC capture rate and high occupancy levels of competing properties, there is very good demand for the subject's units. There appears to be pent up demand for affordable units based on the waiting list at the two competing LIHTC properties located in Hopkins County. This is not surprising given the extensive damage done to the housing stock in the market area by the 2021 tornado.



Due to the slightly declining population in the market area, the demand is not from net growth, but from substandard housing, rent overburdened, and existing households. However, due to the very high demand for affordable housing and current waiting lists, no adverse impact on overall occupancy levels of competitive LIHTC properties is anticipated. In summary, there is excellent demand for the subject development as proposed. No modifications to the project are recommended at this time.



ASSUMED HOUSEHOLD SIZE AND MINIMUM AND MAXIMUM INCOME

					Estimated								
					Household			Current	Trended			Trended	Concluded
	Total #			AMI Income	Size (#	Max Gross	Utility	Max Net	Max Net	Min	Max	Market	Achievable
Unit Type	Units	Unit Size	AMI Rent Level	Level	Persons)	Rent	Allowance	Rest. Rent	Rest Rent*	Income	Income	Rent	Rest. Rent
1 BR Low HOME	1	614 sf	Low HOME	Low HOME	1-2	\$622	\$104	\$518	\$518	\$21,223	\$26,900	\$835	\$515
1 BR High HOME	3	614 sf	High HOME	High HOME	1-2	\$622	\$104	\$518	\$518	\$21,223	\$32,280	\$835	\$515
1 BR RHTF	1	614 sf	60% AMI	60% AMI	1-2	\$756	\$104	\$652	\$652	\$25,851	\$32,280	\$835	\$650
1 BR 60% LIHTC	3	614 sf	60% AMI	60% AMI	1-2	\$756	\$104	\$652	\$652	\$25,851	\$32,280	\$835	\$650
2 BR Low HOME	2	861 sf	Low HOME	Low HOME	2-4	\$756	\$129	\$627	\$627	\$25,851	\$33,600	\$939	\$625
2 BR High HOME	9	861 sf	High HOME	High HOME	2-4	\$819	\$129	\$690	\$690	\$28,080	\$40,320	\$939	\$690
2 BR RHTF	3	861 sf	60% AMI	60% AMI	2-4	\$907	\$129	\$778	\$778	\$30,137	\$40,320	\$939	\$750
2 BR 60% LIHTC	6	861 sf	60% AMI	60% AMI	2-4	\$907	\$129	\$778	\$778	\$30,137	\$40,320	\$939	\$750
3 BR Low HOME	1	1,168 sf	Low HOME	Low HOME	4-6	\$873	\$156	\$717	\$717	\$29,863	\$39,000	\$1,044	\$715
3 BR / 60% High HOME	1	1,168 sf	60% AMI	60% AMI	4-6	\$1,048	\$156	\$892	\$892	\$34,663	\$46,800	\$1,044	\$855
3 BR RHTF	1	1,168 sf	60% AMI	60% AMI	4-6	\$1,048	\$156	\$892	\$892	\$34,663	\$46,800	\$1,044	\$855
3 BR 60% LIHTC	1	1,168 sf	60% AMI	60% AMI	4-6	\$1,048	\$156	\$892	\$892	\$34,663	\$46,800	\$1,044	\$855
Total	32	26,804 sf			1-6					\$21,223	\$46,800		

^{*}Trended Max. Restricted Rent and Market Rent Reflect Trending Upon Completion; See Rent Summary Section



	KHC Market Analysis Summary Information Table				
Information Area	Findings	Page #			
Project Name	Harper Village	Report			
Project Address	Approximately 445 Browning Street, Madisonville, Hopkins County, KY	Report			
Sponsor/ Developer	Affordable Housing of Hopkinsville, Inc. and Wabuck Development Company, Inc. are co-developers.	1			
Project County	Hopkins County	1			
Brief Project Description	The subject of this market study is the construction of a 32-unit low-income housing tax credit (LIHTC) project. This development will be a family-oriented apartment complex consisting of one, two, and three-bedroom units located in Madisonville, Hopkins County, KY 42431. Affordable Housing of Hopkinsville, Inc. and Wabuck Development Company, Inc. are co-developers.				
Rent Subsidy Proposed?	No	1			
Proposed Unit Information	# of Units Developer Proposed Market Analyst Rent Recommended Rent				
1 BR Low HOME 1 1 BR High HOME 3 1 BR HITF 1 1 BR 60% LIHTC 3 2 BR Low HOME 2 2 BR Low HOME 9 2 BR RHTF 3 2 BR 60% LIHTC 6 3 BR Low HOME 1 3 BR LOW HOME 1 3 BR RHTF 1 3 BR LOW HOME 1 3 BR RHTF 1 3 BR 60% LIHTC 1 Total 32 *Trended Max. Restricted Rent and Mic	Current Trended Household Household Max Gross Utility Max Net Max Net	5			
PMA Boundaries	Hopkins County with the western border extended to include Providence, KY.				
SMA Boundaries	It is noted there is potential for the subject to pull tenants from outside the boundaries; however, we believe the vast majority of tenants will be from within the PMA. As such, no SMA is utilized.	20			



Population		2000-2010 -	2010-2023-	2023-2028-			
Trends		Annual	Annual	Annual			
PMA Pop. Growth/ Decline		.00%	35%	29%	61		
SMA Pop. Growth/ Dec	line	N/A	N/A	N/A			
PMA Househ Growth/ Dec		.01%	23	11%	61		
SMA Househ Growth/ Dec		N/A	N/A	N/A			
PMA (MSA) Unemployme	ent		4.4%		12		
SMA Unemployme	ent		N/A				
Targeted Household T	ypes	Family					
Rental Vacancy		Rent Subsidized Units	Other Assisted Units	Market Rate Units			
Rates		4.0%		2.5%	58, 59		
Summary of	How F	Project Compares to					
Subsidized Properties	Subsidized With respect to a comparison of the subject to Comps 1 and 2, the subject's rents are lower, has a slightly superior age and condition, the unit and common amenities are inferior, the unit sizes are larger, and the						
Market Rate Properties	9	The subject will have superior age and condition but smaller unit sizes, superior common amenities, and similar to superior utilities.					
Capture Rate	•				55		
HOME							
LIHTC							
Total	8.4%				74, 75		



Absorption Rate/Lease Up	Though no specific absorption rate was obtained, the property manager for Winman Gardens, a family oriented LIHTC property very similar to the subject, leased up quickly upon completion of construction. Winman Gardens had 44 households on the waiting list as of December 2023. According to Ms. Ashyia McFarland, the Section 8 Coordinator who oversees Housing Choice Vouchers in Hopkins County, there is a housing crisis in Madisonville due to a shortage of HCVs being utilized by displaced tenants in Dawson Springs who are taking precedent for usage. She stated a lot of Dawson Springs renters moved to Madisonville and quite a few were voucher holders. Ms. McFarland was not able to provide a breakdown of vouchers in circulation or the length of the waiting list. Though the subject property will not offer rental assistance, the subject's rents are very affordable and have a significant market rent advantage. No doubt some of the families Ms. McFarland is referring to could very well be future tenants for the subject property. Given that the Winman Gardens waiting list by itself exceeds the subject's number of units, we project the subject's units will be absorbed within three months of completion of construction, or 10.35 units per month. We would estimate that the units will be absorbed immediately upon absorption, however, some of the subject's qualifying income bands are narrow and it might take a period of time to find prospective tenants that income qualify. The three-month period after completion should be sufficient to reach stabilized occupancy.	76
Primary Project Strengths Primary Project Weaknesses	The subject will be a 32-unit new construction project with a site that has close proximity to many neighborhood amenities. The subject offers a good selection of one, two, and three bedroom floor plans. Based on the 8.4% KHC capture rate and high occupancy levels of competing properties, there is very good demand for the subject's units. There appears to be pent up demand for affordable units based on the waiting list at the two competing LIHTC properties located in Hopkins County. This is not surprising given the extensive damage done to the housing stock in the market area by the 2021 tornado. Due to the slightly declining population in the market area, the demand is not from net growth, but from substandard housing, rent overburdened, and existing households. In summary, there is excellent demand for the subject development as proposed. No modifications to the project are recommended at this time.	77
Impact on Existing Properties	Due to the very high demand for affordable housing and current waiting lists, no adverse impact on overall occupancy levels of competitive LIHTC properties is anticipated.	77



	Recommended Changes None	
Rent Changes	None	77
Unit Changes	None	77
Overall Changes	None	77



Aerial and Front Views



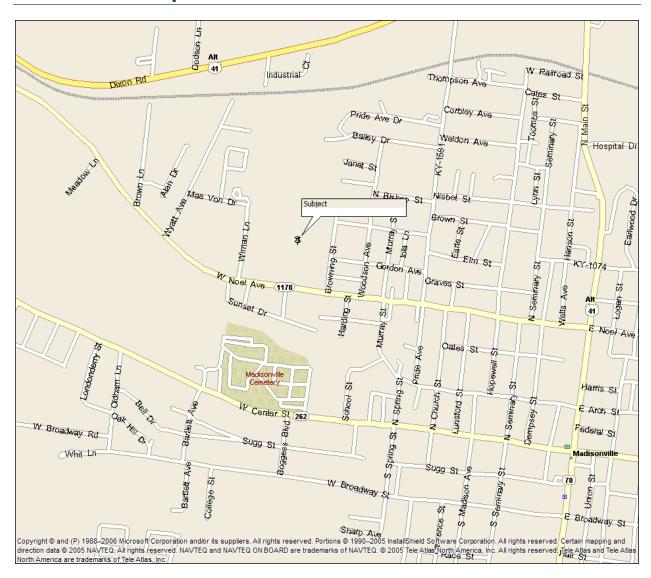


FRONT VIEW





Location Map





Introduction

Client and Intended Users of the Market Study

Wabuck Development Company, Inc. is the client in this assignment. The intended user(s) of this report include Wabuck Development Company, Inc., Kentucky Housing Corporation (KHC), Affordable Housing of Hopkinsville, Inc., the Kentucky Department for Local Government, Ohio Capital Corporation for Housing (OCCH), German American Bank, and no others.

Purpose and Intended Use of the Market Study

The subject of this market study is the construction of a 32-unit low-income housing tax credit (LIHTC) project. This development will be a family-oriented apartment complex consisting of one, two, and three-bedroom units located in Madisonville, Hopkins County, KY 42431. Affordable Housing of Hopkinsville, Inc. and Wabuck Development Company, Inc. are co-developers.

The purpose of the market study is to analyze the subject's market areas by (a) characterizing the subject's marketplace; (b) identifying the supply and demand forces within the marketplace; and (c) based on both projected and historical demand within the subject's marketplace and the availability of both existing and proposed competing inventory, estimate the absorption period for the subject as proposed. The intended use of the market study is to demonstrate the level of demand for the proposed project and to provide a basis for a tax credit award.

Real Estate Identification

The subject property is located at approximately 445 Browning Street, Madisonville, Hopkins County, KY 42431. The site is 5.08 acres of a 10.78-acre parcel identified by the tax parcel number M-21-3-3.

Ownership of the Property

According to the county records, title to the subject property is vested in Cutting Edge Landscaping, LLC.

History of the Property

Ownership of the subject property transferred from Smith and Ramey Signature Homes, LLC to Cutting Edge Landscaping, LLC. on February 20, 2024 for \$165,000 in an arms-length transfer.

Analysis of Listings/Offers/Contracts

There is an undated Option to Purchase Contract between Cutting Edge Landscaping, Inc. (seller) and Wabuck Development Company, Inc. (buyer) to purchase 5.08 acres of the 10.78-acre parcel for \$135,000.

Type and Definition of Value

Market Value is defined as "the most probable price that a property should bring in a competitive and open market under all conditions requisite to a fair sale, the buyer and seller each acting prudently and knowledgeably, and assuming the price is not affected by undue stimulus." Implicit in this definition is the consummation of a sale as of a specified date and the passing of title from seller to buyer under conditions whereby:



- Buyer and seller are typically motivated.
- Both parties are well informed or well advised, each acting in what they consider their own best interests;
- A reasonable time is allowed for exposure in the open market;
- Payment is made in terms of cash in U.S. dollars or in terms of financial arrangements comparable thereto; and
- The price represents the normal consideration for the property sold unaffected by special or creative financing or sale concessions granted by anyone associated with the sale."1

Date of Report

The date of this report is March 13, 2024, which is the same as the date of the letter of transmittal.

Effective Date of Market Study

The effective date of the market study is March 1, 2024, the last date of inspection.

Real Property Interest Appraised

The scope of this assignment includes a conclusion of market rent for the subject property. It is therefore considered an appraisal as a rent value is developed. The real property interest appraised is that of the fee simple estate.

Please refer to the Glossary in the Addenda section for definitions of terms used in this report.

Highest and Best Use

Considering the legal, physical and financial characteristics of the subject site, the proposed improvements and the market in which the property will operate, the concluded highest and best use of the site as vacant is multi-family housing supported by subsidies and of the property as improved is the proposed use.

Assumptions and Conditions of the Appraisal

The acceptance of this appraisal assignment and the completion of the appraisal report submitted herewith are subject to the General Assumptions and Limiting Conditions contained in the report. The findings and conclusions are further contingent upon the following extraordinary assumptions and/or hypothetical conditions which might have affected the assignment results:

Extraordinary Assumptions

- Information provided by the developer was relied upon in determining the size of the units and physical characteristics of the proposed development. If the improvements are constructed in a manner different than presented in the description of improvements of this report, the conclusions herein may be invalid.
- We have utilized demographic data from Esri Demographics, a leading provider or Census demographic data within the United States. We compared the current 2023 – 2028 projections to demographic data from August 2021, four months prior to the tornado, which used 2021 –

¹ Source: Code of Federal Regulations, Title 12, Banks and Banking, Part 722.2-Definitions



2026 projections. The population and number of households decreased for the measured time period. As such, while we were not able to confirm the demographic data was completely accurate and reflective of the tornado's effect on the population and households, it at least patterns a decreasing population and household trend that may have been accelerated by the tornado. Discussions with Census Bureau officials and a demographer with Claritas (another nationally recognized demographic data provider), indicated that rarely in smaller markets, such as Madisonville, is demographic data updated immediately following a natural disaster, unless it coincides with a Census year. Therefore, it is not likely that the Census data is completely accurate. We held discussions with several local officials, but no current updated demographic data is known to exist. Many affected households moved in with family or into available rental units in the larger Western Kentucky region. According to property managers and the Dawson Springs and Madisonville Housing Authorities, many affected families moved to Madisonville, thus are still within the same county. For purposes of analysis, we have assumed the demographic data utilized herein to be reasonably accurate for the PMA and County, but we have considered the possibility it does not fully account for displacement following the tornado in our estimates and demand assumptions. Should the demographic data be found to be significantly inaccurate or not reflective of the displacement from the tornado that occurred in December 2021, our estimates of demand may be invalid.

• The subject development will use modular construction on all 32 units. The modular units will be built off-site in a controlled environment and shipped to the site for final assemblage and build-out. The building materials and construction methods are assumed to meet local building codes and KHC requirements. Interior finish and amenities will reportedly be similar or superior to ground up construction. As such, from a market perception perspective no discernable differences between the proposed modular construction and ground up construction are anticipated. Should our understanding of the proposed construction, as described herein, be incorrect or building materials and finishes be inferior to normal LIHTC development, our conclusions may be invalid.

Hypothetical Conditions

None.



Project and Tax Credit Agreement Description

The developer of this project is applying for low-income housing tax credits and a 4% tax exempt bond issue from the Kentucky Housing Corporation (KHC), the agency that facilitates the Federal LIHTC program in Kentucky, for a ten-year tax credit allocation for 32 units. The tax credits and bond issue are part of the Western Kentucky Disaster Response to build affordable housing units to help meet the housing needs of those families displaced from the December 2021 tornado that devastated numerous communities throughout the region. In return for the credits, the subject project will be restricted to occupancy only by low-income tenants for a period of a minimum of 30 years.

This development will be a family-oriented project. The co-developers of this project are Wabuck Development Company, Inc. and Affordable Housing of Hopkinsville, Inc., an entity controlled by the Housing Authority of Hopkinsville

The proposed 32-unit development will have one, two, and three-bedroom units financed by the bond issue, low-income housing tax credits, Rural Housing Trust Funds (RHTF), and CBDG funds. The first overlay of rent and income restrictions includes four units restricted to 50% LIHTC AMI and 28 units restricted to 60% AMI. Seventeen units of the 32 units utilize CBDG funds that will be further restricted to Low HOME (4 units) and High HOME (13 units) and five RHTF units are restricted to 120% AMI income. Rental assistance is not available on any of the units.

The minimum and maximum incomes for the proposed development are explained below.

Minimum Income

As will be explained in detail later in this report, the estimated achievable rent for the subject's one-bedroom Low HOME units is \$515 per month. As such, the minimum annual household income is \$21,223 (\$515+ \$104 tenant paid utilities X 12 / 35% ratio of housing expense to monthly income).

Maximum Income

The lower of the Low or High HOME, or the 50% and 60% AMI LIHTC determines the maximum incomes. The maximum income levels are utilized for 1-6 member households.

The following table illustrates the minimum and maximum income level for the subject property.



ASSUMED HOUSEHOLD SIZE AND MINIMUM AND MAXIMUM INCOME

					Estimated								
					Household			Current	Trended			Trended	Concluded
	Total #			AMI Income	Size (#	Max Gross	Utility	Max Net	Max Net	Min	Max	Market	Achievable
Unit Type	Units	Unit Size	AMI Rent Level	Level	Persons)	Rent	Allowance	Rest. Rent	Rest Rent*	Income	Income	Rent	Rest. Rent
1 BR Low HOME	1	614 sf	Low HOME	Low HOME	1-2	\$622	\$104	\$518	\$518	\$21,223	\$26,900	\$835	\$515
1 BR High HOME	3	614 sf	High HOME	High HOME	1-2	\$622	\$104	\$518	\$518	\$21,223	\$32,280	\$835	\$515
1 BR RHTF	1	614 sf	60% AMI	60% AMI	1-2	\$756	\$104	\$652	\$652	\$25,851	\$32,280	\$835	\$650
1 BR 60% LIHTC	3	614 sf	60% AMI	60% AMI	1-2	\$756	\$104	\$652	\$652	\$25,851	\$32,280	\$835	\$650
2 BR Low HOME	2	861 sf	Low HOME	Low HOME	2-4	\$756	\$129	\$627	\$627	\$25,851	\$33,600	\$939	\$625
2 BR High HOME	9	861 sf	High HOME	High HOME	2-4	\$819	\$129	\$690	\$690	\$28,080	\$40,320	\$939	\$690
2 BR RHTF	3	861 sf	60% AMI	60% AMI	2-4	\$907	\$129	\$778	\$778	\$30,137	\$40,320	\$939	\$750
2 BR 60% LIHTC	6	861 sf	60% AMI	60% AMI	2-4	\$907	\$129	\$778	\$778	\$30,137	\$40,320	\$939	\$750
3 BR Low HOME	1	1,168 sf	Low HOME	Low HOME	4-6	\$873	\$156	\$717	\$717	\$29,863	\$39,000	\$1,044	\$715
3 BR / 60% High HOME	1	1,168 sf	60% AMI	60% AMI	4-6	\$1,048	\$156	\$892	\$892	\$34,663	\$46,800	\$1,044	\$855
3 BR RHTF	1	1,168 sf	60% AMI	60% AMI	4-6	\$1,048	\$156	\$892	\$892	\$34,663	\$46,800	\$1,044	\$855
3 BR 60% LIHTC	1	1,168 sf	60% AMI	60% AMI	4-6	\$1,048	\$156	\$892	\$892	\$34,663	\$46,800	\$1,044	\$855
Total	32	26,804 sf			1-6					\$21,223	\$46,800		

^{*}Trended Max. Restricted Rent and Market Rent Reflect Trending Upon Completion; See Rent Summary Section



Scope of Work

The elements addressed in the Scope of Work are (1) the extent to which the subject property is identified, (2) the extent to which the subject property is inspected, (3) the type and extent of data researched, (5) the market study conformity, and (6) personalty items. These items are discussed as below.

Extent to Which the Property Was Identified

The three components of the property identification are summarized as follows:

- Legal Characteristics The subject was legally identified via PVA records and a survey provided by the owner/developer.
- Economic Characteristics Economic characteristics of the subject property were identified via
 a comparison to properties with similar economic characteristics, a review of published studies
 regarding apartment operations, and our internal data.
- Physical Characteristics The physical characteristics were analyzed based on information gathered during the inspection and from information provided by third parties.

Extent to Which the Property Was Inspected

We inspected the site/ property on March 1, 2024. We did not measure the site or improvements, but rather relied on information and/or plans provided by the developer.

Type and Extent of Data Researched

- Inspection of the property
- Economic analysis of the area and especially the neighborhood influences
- Analysis of the site
- Study of maps and public records
- Interviews with persons familiar with the subject market
- Comparative analysis of market data
- Demographic sources include:
 - Site To Do Business
 - o 2010 and 2020 Census Data
- American Community Survey (ACS)

Market Study Conformity

The market study is intended to meet the minimum standards of the Code of Professional Ethics and Standards of Professional Practice of the Appraisal Institute, and the Uniform Standards of Professional Appraisal Practice (USPAP) of the Appraisal Foundation. It is also in compliance with the National Council of Housing Market Analysis (NCHMA) reporting, Kentucky Housing Corporation, and the requirements of our client as we understand them.

Personal Property/FF&E

The ranges and refrigerators that will be installed in the units are not built-in units and are considered personalty. However, the apartments cannot operate without appliances, so are included in the market rent. Personalty also includes office furniture and equipment.



Regional Area Analysis

Authoridate Missouri Hopkins Madisonville Bowling Carte Barrey Car

Overview

The subject is located in Madisonville, Hopkins County, Kentucky. Hopkins County is situated in the western portion of Kentucky with Madisonville as the county seat. The county is roughly 45 miles south of Evansville, IN, 150 miles southwest of Louisville, KY, 100 miles northwest of Nashville, TN, and 220 miles southeast of St. Louis, MO.

The area's economy has historically been based on coal mining and agriculture. Changes in both the mining and agriculture industries during the 1980's and early 1990's, along with the closing of the area's two largest factories, York and Goodyear, had a detrimental effect on the area's economy. However, the decline resulted in a more diversified economy, which has weathered the most recent recession better than past recessions.

We have utilized demographic data is from Esri Demographics, a leading provider or Census demographic data within the United States. We compared the current 2022 – 2027 projections to demographic data from August 2021, four months prior to the tornado, which used 2021 – 2026 projections. The population and number of households decreased for the measured time period. As such, while we were not able to confirm the demographic data was completely accurate and reflective of the tornado's effect on the population and households, it at least patterns a decreasing population



and household trend that may have been accelerated by the tornado. Discussions with Census Bureau officials and a demographer with Claritas (another nationally recognized demographic data provider), indicated that rarely in smaller markets, such as Dawson Springs, is demographic data updated immediately following a natural disaster, unless it coincides with a Census year. Therefore, it is not likely that the Census data is completely accurate. However, at this time, the below demographic data is considered the best available.

Transportation

Transportation to Hopkins County is primarily served by the Western Kentucky Parkway and I-69. The Western Kentucky Parkway runs east-west through the southern part of the county and connects to I-65 approximately 95 miles northeast in Elizabethtown. At that point it becomes the Bluegrass Parkway and continues northeast to Lexington. I-69 opened in the Madisonville area in November 2015 and future sections near Morton's Gap were complete in 2017. I-69 is part of a major international trade corridor extending from Canada to the Rio Grande Valley in Texas. This highway extension will likely spur economic growth for years to come.

The Edward T. Breathitt Pennyrile Parkway (US 41) is the major north-south four lane highway, which intersects with the Western Kentucky Parkway to the south. The Pennyrile Parkway connects to Henderson, KY and Evansville, IN to the north and Hopkinsville, KY to the south. US Alternate 41 and SR 85 are east-west highways that intersect the county.

The county is home to the Madisonville Municipal Airport and the Tradewater Airport located near Nortonville, KY. Commercial airline service is available at the Evansville Regional Airport, approximately 45 miles north and Louisville International Airport approximately 110 miles northeast. Rail service is provided by CSX.

Health and Medical

Baptist Health is a 410 bed facility with general medical and surgical services, heart care, cancer care, women's care, orthopedic care and sports medicine. This was the first hospital in Kentucky outside a major metropolitan area to offer open heart surgery. Baptist Health also offers several primary care clinics throughout Madisonville and Hopkins County.

Education

Higher education in the immediate area is provided by Madisonville Community College and Murray State's Madisonville Regional Campus. These colleges offer associates degrees to roughly 6,600 students in 26 areas of study, including Business Administration, Computer and Medical Technologies, Education, and more. Murray State University offers a full-service regional office located on the Madisonville Community College campus for students enrolled in Murray State courses and programs. Other schools in the area include Hopkinsville Community College, located approximately 31 miles from the center of Madisonville, which offers over 20 different programs of study to include Engineering and Nursing. Located approximately 61 miles north in Evansville, IN, is the University of Southern Indiana. The University of Southern Indiana offers 80 undergraduate and graduate degrees divided among four colleges. The most common degree programs are Health Care, Elementary Education and Teaching, and Business Administration Management.



The following table summarizes the educational attainment levels for Madisonville, Dawson Springs, Hopkins County and Kentucky as provided by STDB.

Educational Attainment

2023 Educational Attainment	Dawson Springs	Madisonville	Hopkins County	Kentucky
Less than 9th Grade	5.0%	3.5%	3.7%	3.9%
9-12th Grade/No Diploma	14.6%	6.4%	7.3%	7.1%
High School Diploma	37.3%	29.7%	32.4%	26.9%
GED/Alternative Credential	13.1%	9.0%	8.9%	6.8%
Some College/No Degree	14.6%	18.3%	18.4%	17.6%
Associate's Degree	7.3%	11.3%	11.3%	9.9%
Bachelor's Degree	6.5%	13.1%	10.4%	16.7%
Graduate/Professional Degree	1.5%	8.8%	7.7%	11.2%
Total High School Graduates and Higher	909/	00%	909/	909/
Total High School Graduates and Higher	80%	90%	89%	89%

Source: Site To Do Business (STDB)

Madisonville's percentage of high school graduates is higher when compared to all other observed areas.

Economic Conditions

In order to evaluate the relative macroeconomic performance of Madisonville, this analysis includes a comparison with Dawson Springs, Hopkins County, and Kentucky.

Employment by Industry

The following chart includes the percentage of employment by industry for the areas identified.

Employment by Industry

2023 Employed Civilian Population Age 16+	Dawson Springs	Madisonville	Hopkins County	Kentucky
Transportation/Material Moving	23.5%	10.7%	12%	10.3%
Production	14.9%	10.0%	10.9%	9.7%
Healthcare Practitioner/Technician	12.4%	8.6%	8.1%	7.1%
Healthcare Support	6.7%	5.0%	4.3%	2.6%
Management	5.4%	9.2%	8.2%	10.1%
Construction/Extraction	5.2%	3.7%	6.2%	4.5%
Sales and Sales Related	4.7%	6.7%	6.1%	8.1%
Office/Administrative Support	4.2%	11.1%	10.6%	11.4%
Building/Grounds Cleaning/Maintenance	3.4%	4.1%	4.4%	2.9%
Education/Training/Library	3.3%	7.2%	5.4%	5.2%
All others	16%	24%	24%	28.1%

Source: Site To Do Business (STDB)



As the table indicates, Madisonville is also oriented toward office administrative support at 11.1% and transportation/material moving at 10.7%, while Hopkins County's top industries in civilian employment is transportation and production. All areas have a mix of white- and blue-collar opportunities.

Area Employment

The following table lists the area's largest 10 private employers as reported by the Madisonville-Hopkins County Economic Development Corporation.

Major Employers

	Employer	# Employees	Industry
1	Baptist Health Madisonville	2,240	Healthcare
2	Alliance Resource Partners	1,224	Mining
3	Hopkins County School	1,172	Education
4	Carhartt	850	Distribution
5	General Electric Aviation	500	Manufacturing
6	Groves Electrical	368	Utilities
7	Madisonville Community College	330	Education
8	City of Madisonville	300	Government
9	IAC	240	Manufacturing
10	Clark Webstaurant	200	Distribution

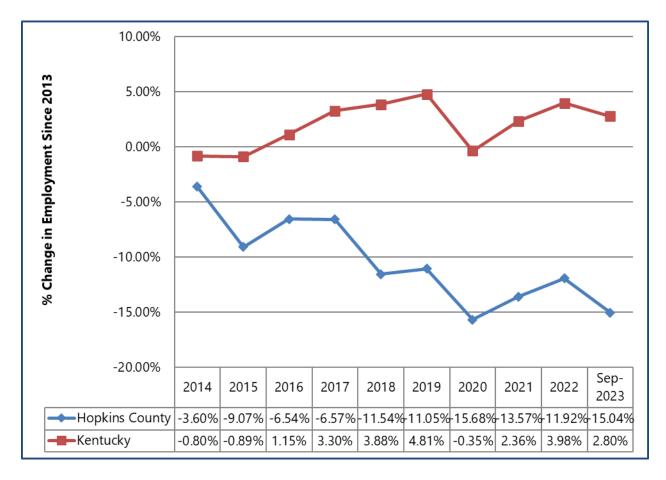
Source: Madisonville-Hopkins County Economic Development Corporation

Baptist Health Madisonville Hospital is a major driver of the economy with more than 3,000 employees. A satellite medical office has been built by Baptist Healthcare in Dawson Springs. The top employers represent a diverse workforce.

Employment Growth

The following chart tracks percentage changes in employment since 2013 of the county and state.



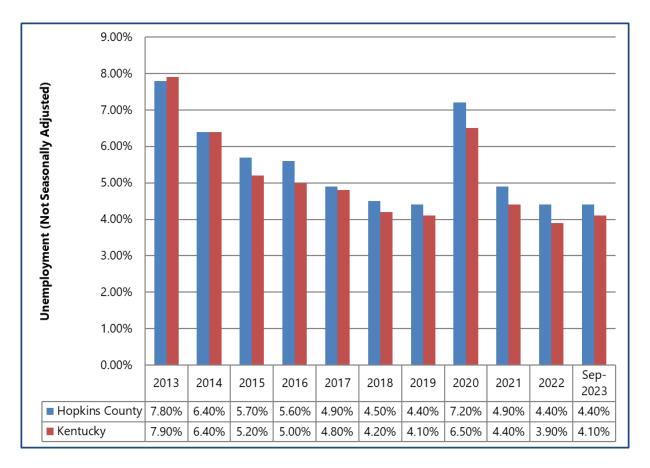


The economy of the Hopkins County area faced a dramatic decrease in employment with the onset of the nationwide recession, loss of demand for coal and the closure of an agricultural elevator for grain access around 2008-2009. The area has since struggled to get back up near pre-recession employment levels. As of September 2023, employment levels in the county have decreased with the state experiencing positive growth.

Unemployment

Unemployment rates of the observed area are presented in the following chart.





As shown, unemployment rates in Hopkins County have generally tracked near those of the state. Both Hopkins County and the State have experienced significant declines in unemployment since the last recession, but the County's improving rates are due more to declines in employment rather than strong improvements in the labor market. Further, like the rest of the country, unemployment rates were significantly impacted by the pandemic. However, based on the data, Hopkins County appears to have recovered.

The U.S. unemployment rate rose to 14.7% in April 2020, up from 4.4% in March 2020. This was the highest rate and the largest over-the-month increase in the history of the series (seasonally adjusted data are available back to January 1948. Some experts had dire predictions with unemployment reaching Depression era levels. However, as of October 2023, the national unemployment rate was 3.9%, showing significant improvement and recovery.

Unemployment rates throughout the region increased significantly in 2020 but did not reach levels experienced during the previous recession. Furthermore, unemployment levels for all observed areas are currently below those experienced during the recovery from the last recession. The improving unemployment is a clear indicator the economy is recovering from the effects of the pandemic.

Income

Household income in the observed areas is distributed through the nine income brackets presented in the following table.



Median Household Income

Year	Dawson Springs	Madisonville	Hopkins County	Kentucky
< \$15,000	28%	18%	17%	13%
\$15,000-\$24,999	19%	9%	9%	9%
\$25,000-\$34,999	9%	9%	8%	9%
\$35,000-\$49,999	14%	16%	14%	13%
\$50,000-\$74,999	13%	17%	17%	18%
\$75,000-\$99,999	8%	15%	15%	13%
\$100,000-\$149,999	6%	10%	13%	15%
\$150,000-\$199,999	1%	4%	4%	6%
\$200,000+	1%	2%	3%	6%
2023	\$27,602	\$47,820	\$51,656	\$57,015
2028	\$29,796	\$52,499	\$57,011	\$64,284
2023 - 2028 Annual Change	1.59%	1.96%	2.07%	2.55%

Source: Site To Do Business (STDB)

Madisonville's highest percentage of median household income is <\$15,000 with 18%. while the state has the highest median household income in the \$50,000-\$74,999 range.

Population

The following table provides population figures for the areas identified. The population estimates are not believed to account for the displacement of households that occurred following the destruction in Dawson Springs from the 2021 tornado.

Population

Year	Dawson Springs	Madisonville	Hopkins County	Kentucky
2000	2,990	19,502	46,519	4,041,769
2010	2,766	19,709	46,920	4,339,367
2023	2,382	19,178	44,887	4,547,961
2028	2,323	18,859	44,272	4,576,418
2000 - 2010 Annual Change	-0.75%	0.11%	0.09%	0.74%
2010 - 2023 Annual Change	-1.07%	-0.21%	-0.33%	0.37%
2023 - 2028 Annual Change	-0.50%	-0.33%	-0.27%	0.13%

Source: Site To Do Business (STDB)

Population in Dawson Springs and Hopkins County is anticipated to decrease 0.50%, while Madisonville is projected to decrease 0.33% annually from 2023 through 2028.

Conclusion

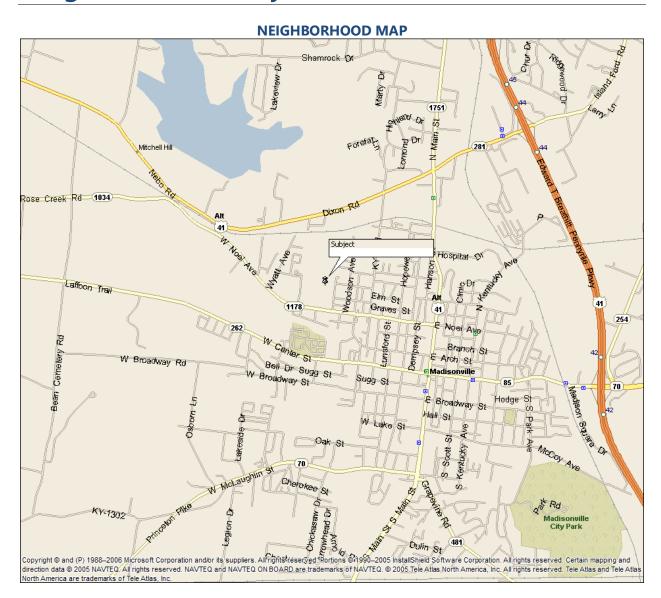
Hopkins County's economy relied heavily on agriculture, mining, and manufacturing for several decades, but the area's economy was dramatically impacted by plant closures and changes in both mining and agricultural industries in the 1980s and 1990s. While this led to greater diversification in subsequent years and lower unemployment, the area is still losing population. The population loss will likely continue to have a negative impact on general real estate market conditions unless the area is able to attract additional high paying jobs.



The pandemic was a shock that is unlike any other experienced by the modern U.S. economy. Employment levels and unemployment rates were dramatically impacted in 2020 with segments of the economy experiencing sharp declines. The impacts of the pandemic on the labor force appear short lived, but labor shortages, supply chain issues, and inflation could have near term impacts on the economy and commercial real estate markets.



Neighborhood Analysis



Neighborhood Location and Boundaries

The subject is located in the northwest portion of Madisonville, Kentucky. For the purposes of this report, the neighborhood boundaries are considered to be the city of Madisonville and immediately surrounding areas.

Neighborhood Access

Within the immediate area of the subject property, transportation access helps define the character of its development. Major travel and commuter routes within the area of the subject property include:

- Primary North / South Routes N Main St (US 41)
- Primary East / West Routes W Noel Ave
- Interstate Access Interstate 69 Pennyrile Parkway (approximately 2.5 miles east)



- Nearest International Airport –Nashville International Airport (approximately 112 south east) and Louisville Muhammad Ali International Airport (approximately 149 north east)
- Availability of Public Transportation No

Overall, access to the subject neighborhood is considered to be good, primarily due to the proximity of I-69.

Demographics

As shown in the table below, annual population growth in the neighborhood is anticipated to decline at a higher rate than the county from 2023 through 2028. A similar trend is anticipated for households in the neighborhood during the same time period. Median household income in the neighborhood in 2023 is \$47,820, which is below Hopkins County. It is noted per capita income in the neighborhood is slightly below the county. Overall, the subject neighborhood is considered to be a mostly lower to middle income neighborhood.



Neighborhood Demographics

Area	Neighborhood	Hopkins County
Population Summary		
2000 Population	19,502	46,519
2010 Population	19,709	46,920
2023 Population	19,178	44,887
2028 Population	18,859	44,272
Annual % Change (2023-2028)	-0.33%	-0.28%
Household Summary		
2000 Households	8,185	18,820
% Owner Occupied	67%	75%
% Renter Occupied	33%	25%
2010 Households	8,260	18,980
% Owner Occupied	62%	71%
% Renter Occupied	38%	29%
2023 Households	8,075	18,489
% Owner Occupied	61%	70%
% Renter Occupied	39%	30%
2028 Households	8,026	18,413
% Owner Occupied	62%	70%
% Renter Occupied	38%	30%
Annual % Change (2023-2028)	-0.12%	-0.08%
Income Summary		
2023 Median Household Income	\$47,820	\$51,656
2028 Median Household Income Estimate	\$52,499	\$57,011
Annual % Change	1.88%	1.99%
2023 Per Capita Income	\$27,823	\$28,939
2028 Per Capita Income Estimate	\$31,750	\$33,018
Annual % Change	2.68%	2.67%
Median Home Value		
2023 Median Home Value	\$138,601	\$137,597

Source: Site-to-Do-Business (STDB Online)

Residential Development

According to STDB, there are 8,075 households in the neighborhood. Approximately 61% of these are owner-occupied and 39% are renter-occupied. Detached single-family homes are the predominant unit type in the neighborhood comprising 75% of the housing units, followed by apartments with 2 units at 6%. The housing stock includes a large percentage of mature properties with 46% of properties constructed between 1960 and 1989. The neighborhood median home value is \$138,601 compared to \$137,597 for Hopkins County. Additionally, the neighborhood median year built is 1973, versus 1976 for the same comparative area.



Multifamily development is scattered throughout Madisonville and consists of a mix of subsidized and market rate complexes. Those developments considered to be most comparable to the subject will be discussed in further detail later in this report.

NEIGHBORHOOD AMENITIES University Circle Industrial Rd 1751 Shamrock of Sureway Food Store × GillEi Kroger Dollar General Quality Quick Convenient. 2.00 mi Family Dollar Branch St W Broadway Rd Bell Dr Madisonville Police Depar. St St KY 4302 Madisonville City Park

Amenities & Distance from Site

Amenity	Address	Category	Radii Distance	Google Walking Distance	Google Driving Distance
Quaility Quick Convenient Store	600 W Noel Ave	Convenient Store	0.3	0.3	0.3
Dollar General	925 W Noel Ave	Retail	0.3	0.5	0.5
First United Bank and Trust	162 N Main St	Finacial	0.9	1.0	1.0
Browning Springs Middle School	357 West Arch St	Education	0.5	0.6	1.1
Pride Elementary	861 Pride Ave	Education	0.5	0.8	1.1
Family Dollar	119 N Main St	Retail	0.9	1.1	1.1
West Broadway Elementary	127 W Broadway St	Education	1.0	1.2	1.3
Play Learn and Grow Center	124 N Scott St	Day Care	1.1	1.3	1.3
Madisonville Fire Department	98 E Center St	Fire Department	1.1	1.2	1.4
Madisonville Police Department	99 E Center St	Police Department	1.1	1.2	1.4
Madisonville Community College - Health Science	750 Laffoon St	Higher Education	2.2	1.4	1.5
Hopkins County Madisonville Public Library	425 E Center St	Library	1.3	1.6	1.8
Baptist Health Deaconcess Hospital	900 Hospital Dr	Healthcare	2.2	1.4	1.8
Sureway Food Store	1050 Thornberry Dr	Grocery	1.1	1.4	1.8
Walgreens Pharmacy	679 S Main St	Pharmacy	1.4	1.9	2.0
Walgreens Pharmacy	1801 N Main St	Pharmacy	1.1	1.4	2.0
Kroger	545 Island Ford Rd	Grocery / Pharmacy	1.5	1.9	2.1



School District

As shown below, the subject development has one "Great School – 8-10 rating" located in its district as rated by GreatSchools.org. It is noted the distance listed below is from Google.

Schools & Distance from Site

School	Address	Distance	Rating
Pride Elementary School	861 Pride Avenue	0.5	10

Source: Greatschools.org

Building Permits

The following table shows a five year history of residential building permits granted in Hopkins County. As the table indicates, permits in the 'Single Family' category have been relatively consistent over the past five years with a significant increase in 2022.

Building Permits

	2018	2019	2020	2021	2022
	Units	Units	Units	Units	Units
Single Family	63	61	64	58	150
Two Family	10	6	4	4	4
Three & Four Family	0	0	3	0	0
Five or More Family	0	52	5	0	41
Total	73	119	76	62	195

Source: U.S. Census Bureau

Conclusions

The subject neighborhood is well located near commercial amenities, good transportation routes, and other important destinations. Overall socio-economic profile of the neighborhood lends itself to being a good neighborhood for multi-family development.



Market Area Boundaries

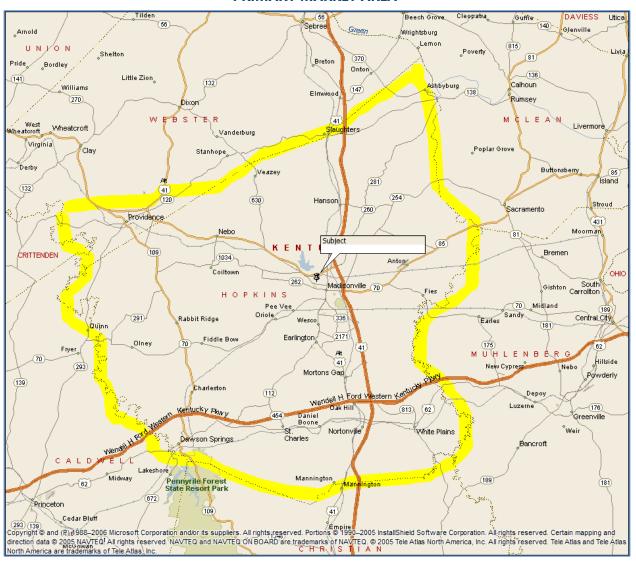
Market areas are defined by a combination of factors such as physical features, demographic and socioeconomic characteristics of the residents or tenants, the condition of the improvements, and land use trends. Market area boundaries are extended far enough to encompass all of the influences that will affect a property's value. As previously mentioned, the subject is located In Madisonville, Kentucky.

Based on discussions with the property managers in the subject's market area, and considering the subject's central location within the county as it is the economic center and county seat of Hopkins County, it would be expected that most residents living within Hopkins County would relocate to Madisonville. In addition, residents of Providence, KY, which is located in Webster County, just 1.25 miles west of the Hopkins County line, and only 13 miles from Madisonville also are potential tenants for the subject's units. As such, Hopkins County, extended to include Providence, KY, is the PMA.

The furthest geographic point in the PMA is approximately 16miles from the subject property. It is noted there is potential for the subject to pull tenants from outside the boundaries; however, we believe the vast majority of tenants will be from within the PMA. As such, no SMA is utilized. A map of the PMA follows.



PRIMARY MARKET AREA





Site Description

The subject site is located at approximately 445Browning Street in Madisonville, KY. The subject site was inspected on March 1, 2024. The characteristics of the site are summarized as follows:

Site Characteristics

Location: Approximately 445 Browning Street, Madisonville, KY

Gross Land Area: 5.08 Acres or 221,285 SF

Shape: Irregular

Usable Land Area: 5.08 Acres or 221,285 SF

Usable Land %: 100.0%

Topography: Sligh slope from south to north

Drainage: Average

Grade: At street grade
Utilities: All available
Interior or Corner: Interior
Signalized Intersection: No

Street Frontage / Access

Frontage Road	Primary	Secondary
N/A	Browning Street	W. Noel Avenue

Flood Zone Data

Flood Map Panel/Number: 21107C0234D Flood Map Date: May 16, 2008 Flood Zone: Zone X.

Zone X is an area of minimal flood risk. .

Site Area in Flood: The site is 5.08 acres of a larger 10.78 acre-parcel. No portion of

the subject's site will be located in a flood zone.

Other Site Conditions

Soil Type: No soil tests have been furnished, but it is assumed the soil

conditions are adequate to support the existing improvements;

however, no warranty of such is hereby made or implied.

Environmental Issues: None noted. The value opinion contained herein assumes the

property is environmentally clean of all surface and subsurface

contaminants; however, no warranty is implied.

Easements/Encroachments: Typical utility easements were noted. No adverse easements or

encroachments were observed, but no guarantees are made as to the non-existence of such adverse easements or encroachments.



There will be an ingress/egress with Cutting Edge Landscaping, LLC providing entrance into the complex off Browning Street.

Adjacent Land Uses

North: Single family homes,
South: Praise Temple Church
East: New single-family homes

West: Vacant land, Winman Gardens Apartments Southwest)

Site Ratings

Access: Good.

Visibility: Below average

Zoning Designation

Zoning Jurisdiction: Madisonville Zoning Department
Zoning Classification: Medium Density Residential District

Zoning Comments: Permitted uses are single-family and two-family residential.

Analysis/Comments on Site

Based on the subject's physical characteristics and the surrounding land uses, the subject site is well suited for multifamily development.

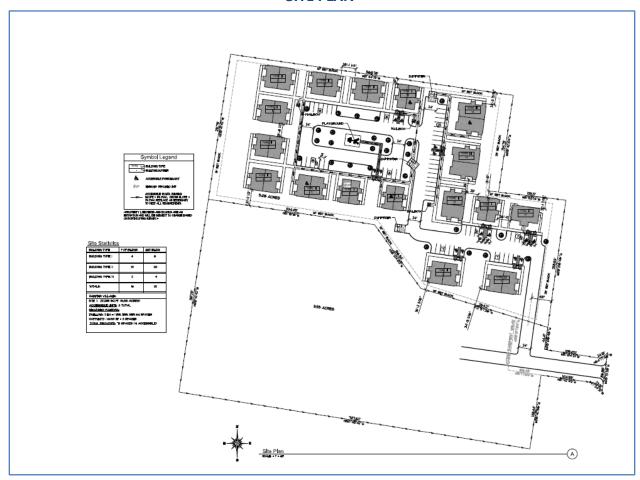


AERIAL VIEW MAP





SITE PLAN





FLOOD MAP





Subject Photos



View of future site entrance (ingress/egress) from Browning Street



View looking northwest onto site





View from neighbor's yard looking southwest onto site. The church and Winman Gardens are in the background.



View looking south along the eastern perimeter of site with the new single family homes located east of the site.



Improvements Description

The following description is based on information provided by the developer. The plans for the subject as proposed consist of a 32-unit apartment complex. According to the developer, construction on the project will be completed by December of 2026.

The subject development will use modular construction on all 32 units. The modular units will be built off-site in a controlled environment and shipped to the site for final assemblage and build-out. The building materials and construction methods are assumed to meet local building codes and KHC requirements. Interior finish and amenities will reportedly be similar or superior to ground up construction. As such, from a market perception perspective no discernable differences between the proposed modular construction and ground up construction are anticipated (see Extraordinary Assumptions and Limiting Conditions).

All 32 units are one-story duplexes. The units will include a range, refrigerator, dishwasher, washer and dryer hookups, and extra storage units. The exterior finish will be a combination of brick and vinyl siding. The unit mix and unit sizes are shown below followed by a description. A detailed comp page shows the detailed amenity package for the subject.

UNIT MIX

Unit Type	# of Baths	# of Units	Unit Size SF	NRA
1 BR	1	8	614 sf	4,912 sf
2 BR	1	20	861 sf	17,220 sf
3 BR	2	4	1,168 sf	4,672 sf
Total		32	838 sf	26,804 sf

Structural Characteristics

Foundation: Slab

Building Frame: Wood frame Exterior Walls: Brick and vinyl

Roof Type / Material: Gable / Asphalt shingle

Mechanical Systems

Electrical: Assumed adequate
Plumbing: Assumed adequate
Heating: Electric heat pumps
Air Conditioning: Central air conditioning

Interior

Floors: Wood plank
Walls: Painted drywall
Ceilings: Textured drywall



Unit Features

Kitchen Appliances/Finish: Each kitchen has wood cabinets, plastic laminate countertops, a

double bowl stainless steel sink, refrigerator, range, and

dishwasher.

Washer/Dryer Connection: Yes Washer/Dryer Included: No

Bathroom Finish: Fiberglass shower/tub insert, vanity, and commode.

Patio/Balcony: No

Property Features

Community Room: Yes Fitness/Exercise Facility: No **Business Center:** No Laundry Facility No **Swimming Pool** No Playground Yes Picnic / Grilling Area No No Library: **Security Features** No Elevator 0 Extra Storage Units: Yes Other Property Amenities: None

Age / Life

Year Built: 2026
Condition: excellent
Actual Age: 0 years
Effective Age: 0 years
Typical Building Life: 55 years
Remaining Economic Life: 55 years

Site Improvements

Landscaping: Typical

Deferred Maintenance

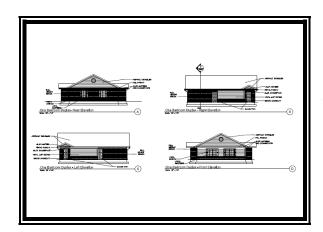
None



Analysis/Comments on Improvements

The floor plans are of modern standards and functional. The property will be in excellent condition upon completion with an estimated effective age of 0 years. Overall, the proposed improvements are considered well suited for their use.





Subject LIHTC- Family

Harper Village Approx 445 Browning Street Madisonville, KY

Contact: Anthony Elmore
Phone: 270-259-5607
Date of Interview: February 28, 2024

Unit	Unit	Rental	Rent	Total							
Туре	Size	Rates	S.F.	Units	Unit Amenities		Site Amenities		Utilities	LL	Т
1 BR / 1 BA	614	\$515/\$650	\$\$.84-\$1.06	8	Range	Χ	Laundry Facility		Heat		Χ
2 BR / 1 BA	861	\$625/\$690/\$750	\$.73-\$.87	20	Refrigerator	Χ	Free Parking	Χ	Cooking		Χ
3 BR / 2 BA	1168	\$715/\$855/\$855	\$.61-\$.73	4	Dishwasher	Χ	Paid Parking		AC		Χ
					Disposal		Extra Storage	Χ	Electricity		Χ
			Total	32	Microwave		Clubhouse/Mting Rm.	Χ	Hot Water		Χ
					Washer/Dryer		Swimming Pool		Water/Sewer	Χ	
					W/D Hook-ups	Χ	Fitness Center		Trash Removal	Χ	
					Patio/Balcony		Business Center				
					Window Coverings	Χ	Roof Deck		Type of Heat		
					Central Air	Χ	Security		Electric		Χ
					Electric Wall Units		Tennis		Gas		
					Window Units		Playground	Χ			

Building Description: Construction is scheduled to be completed by December of 2026 and

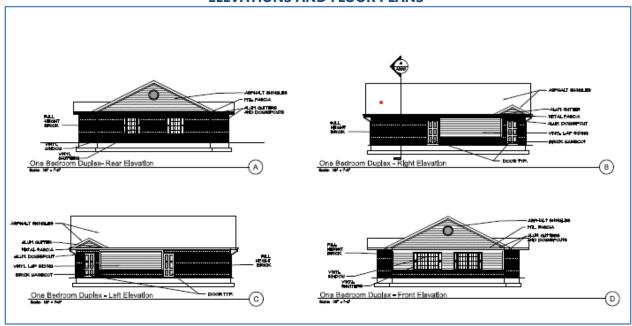
will be in excellent condition upon completion of construction.

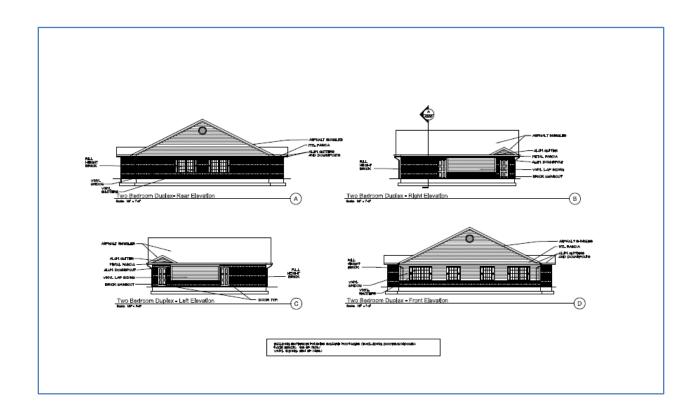
Comments: The subject will be a family-oriented LIHTC property funded by a taxexempt bond, 4% LIHTCs, RHTF and CDBG Funds. With respect to the rents shown above, the lowest rent is Low HOME, the mid rent is High HOME, and the highest rent is the 60% LIHTC rent. For the onebedroom rents, the Low HOME and High HOME rents are the same.

The RHTF and 60% LIHTC units have the same rent.

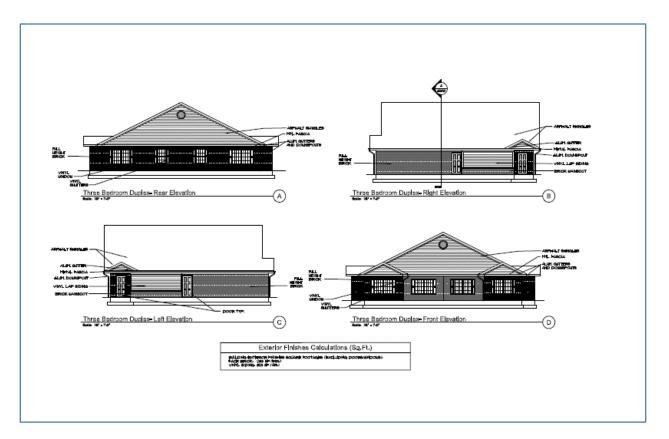


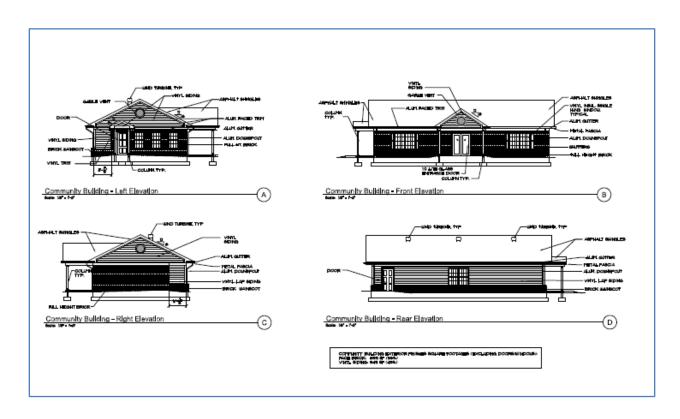
ELEVATIONS AND FLOOR PLANS



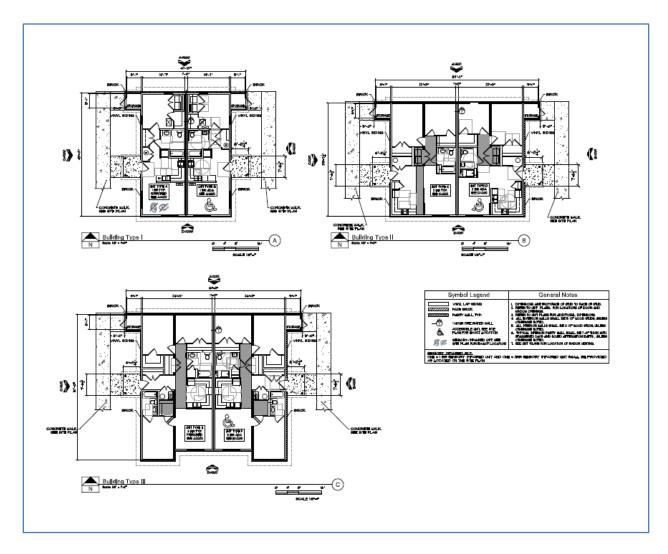




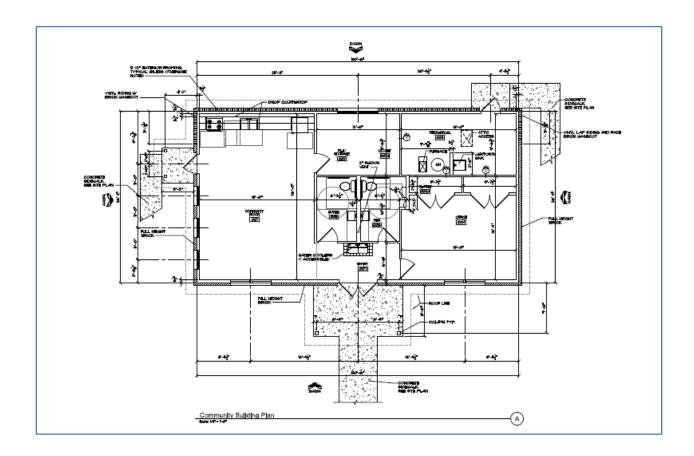














Available and Projected Supply

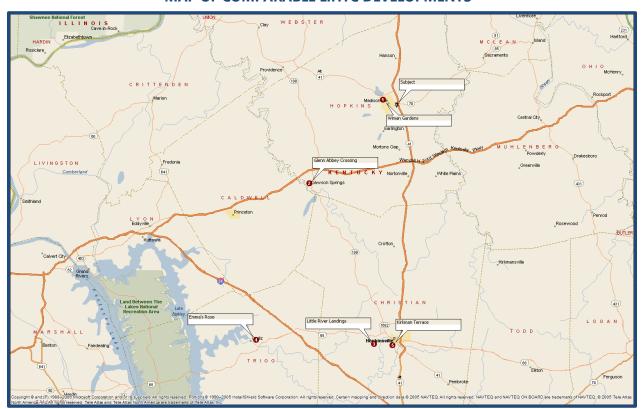
The purpose of this section is to identify both existing and potential competition for the subject property.

Existing Comparable Properties

The subject will be a family-designated LIHTC property that does not have project based rental subsidies available for tenants such as would be available in a typical Section 8 or Rural Development property. Since the minimum qualifying income for the subject's tenants is higher than the income of the vast majority of Section 8 tenants, Section 8 properties do not compete directly with the subject. Therefore, other family-oriented LIHTC properties comprise the primary competition for the subject's units.

According to the published KHC list of affordable properties and our own internal database, there are only two LIHTC apartment developments in Hopkins County that do not have rental subsidies. These two properties are Comp 1 and Comp 2. In order to assess occupancy levels, newly constructed LIHTC developments located in surrounding markets including Hopkinsville, and Cadiz have also been utilized (Comps 3-5). The map below shows the location of each comparable. Detailed comp sheets follow. With respect to a comparison of the subject to Comps 1 and 2, the subject's rents are lower, has slightly superior age and condition, the unit and common amenities are inferior, the unit sizes are larger, and the utility structures are the same.

MAP OF COMPARABLE LIHTC DEVELOPMENTS







Rent Comparable 1 LIHTC/ Family-Oriented

Wiman Gardens
W. Noel Avenue and Wiman Drive
Madisonville, KY

Contact: Shannon Dawson Phone: 270-350-2693 Interview Date: December 2023

Unit	Unit	Rental	Rent	Total							
Туре	Size	Rates	S.F.	Units	Unit Amenities		Site Amenities		Utilities	LL	T
1BR / 1BA	648	\$726	\$1.12	8	Range	Χ	Laundry Facility				
2BR / 1BA	813	\$786	\$0.97	30	Refrigerator	Χ	Free Parking	Х	Heat – E		Χ
3BR / 2BA	1020	\$865	\$0.85	14	Dishwasher	Χ	Paid Parking - \$/mo		AC		Χ
					Disposal	Χ	Free Storage		Electricity		Χ
					Microwave	Χ	Paid Storage - \$/mo		Hot Water - E		Х
					Washer/Dryer \$/mo	0	Clubhouse/Meeting Rm.	Χ	Water/Sewer	Χ	
			Total	52	W/D Hook-ups	X	(Dog Park	Х	Trash Removal	Χ	
					Patio/Balcony	Χ	Swimming Pool		Range – E		Х
					Fireplace		Fitness Center				
					Security Cameras	Χ	Business Center	Х			
							Courtyard				
							Playground	Χ			

Building Description: This property was built in 2019 and is in excellent condition.

Occupancy/Concession: 96% with an extensive waiting list of 44 households.

Comments: The property leased up quickly upon completion and is widely viewed

as the nicest property in Madisonville (market rate or affordable).

The above rents are for 60% AMI units. Property also has 50% AMI units with rents of \$574, \$724 and \$830 for the one, two and three-bedroom units, respectively. The two and three-bedroom rents are maxing out while the one-bedroom rent is slightly below max rent.

Rents were significantly increased in late 2022. All but the three-

bedroom rents are at max net restricted rent.





Rent Comparable 2 LIHTC

Glenn Abbey Crossing 50 Peyton Circle Dawsons Springs, KY

Contact: Manager
Phone: 270-797-5565
Date of Interview: August 2022

Unit	Unit	Rental	Rent	Total							
Туре	Size	Rates	S.F.	Units	Unit Amenities		Site Amenities		Utilities	LL	Т
1BR/1BA	692	\$596	\$0.86	24	Range	Χ	Laundry Facility	Χ	Heat		Х
					Refrigerator	Χ	Free Parking	Χ	Cooking		Х
					Dishwasher	Χ	Paid Parking		AC		Х
					Disposal		Extra Storage	Χ	Electricity		Х
					Microwave	Χ	Clubhouse/Meeting Rm.	Χ	Hot Water		Χ
					Washer/Dryer		Swimming Pool		Water/Sewer	Χ	
			Total	24	W/D Hook-ups	Χ	Fitness Center		Trash Removal	Χ	
					Patio/Balcony	Χ	Business Center				
					Window Coverings	Χ	Playground	Χ	Type of Heat		
					Central Air	Χ	Security		Electric		Х
					Electric Wall Units		Picnic/BBQ	Χ	Gas		
					Window Units		Elevator				

Building Description: This complex was built in 2013 and has been renovated.

Occupancy: 83% occupied (4 vacant) with a waiting list.

Additional Comments: This property is located directly across from a public housing complex

that was completely destroyed. This property also had damage and

not all units are back online.

Numerous unsuccessful attempts were made to contact management. The office appears to be closed with minimal on-site staffing hours.





Rent Comparable 3 LIHTC / Family-Oriented

Little River Landings 1101 Pyle Lane Hopkinsville, KY

Contact: Shannon Dawson
Phone: 270-350-2693
Interview Date: December 2023

Unit	Unit	Rental	Rent	Total						
Туре	Size	Rates	S.F.	Units	Unit Amenities		Site Amenities		Utilities	LL T
1BR / 1BA	626	\$726	\$1.16	20	Range	Χ	Laundry Facility			
2BR / 1BA	802	\$826	\$1.03	22	Refrigerator	Χ	Free Parking	Χ	Heat – E	Χ
2BR / 1.5BA TH	1037	\$826	\$0.80	20	Dishwasher	Χ	Paid Parking - \$/mo		AC	Χ
3BR / 2BA	1010	\$949	\$0.94	12	Disposal	Χ	Free Storage		Electricity	Χ
3BR / 2BA TH	1255	\$949	\$0.76	14	Microwave	Χ	Paid Storage - \$/mo		Hot Water - E	Χ
					Washer/Dryer \$/m	0	Clubhouse/Meeting Rm.	Χ	Water/Sewer	Χ
			Total	88	W/D Hook-ups	Х	Dog Park	Х	Trash Removal	Χ
					Patio/Balcony	Χ	Swimming Pool		Range – E	Χ
					Fireplace		Fitness Center			
					Security Cameras	Χ	Business Center	Χ		
							Courtyard			
							Playground	Χ		

Building Description: This property was completed in December 2023 and is in excellent

condition.

Occupancy/Concession: 100% considering pending applications on final six units to be

completed.

Comments: Property has been leasing units as they become available and will be

fully leased upon completion by end of December 2023.





Rent Comparable 4 LIHTC/ Elderly-Designated

Emma's Rose Senior Apartments 149 Phoenix Dr. Cadiz, KY

Contact: Shannon Tutor Phone: 270-512-5690 Date of Interview: December 2023

Unit	Unit	Rental	Rent	Total							
Туре	Size	Rates	S.F.	Units	Unit Amenities		Site Amenities		Utilities	LL	T
1BR/1BA	715	\$625	\$0.87	31	Range	Χ	Laundry Facility		Heat		Χ
2BR/1BA	833	\$755	\$0.91	8	Refrigerator	Χ	Free Parking	Χ	AC		Χ
2BR/1BA	1010	\$800	\$0.79	2	Dishwasher	Χ	Covered Parking		Electricity		Χ
					Disposal		Extra Storage Clubhouse/Meeting		Hot Water		Х
					Microwave		Rm.	Χ	Water/Sewer	Χ	
					Washer/Dryer	Χ	Library		Trash Removal	Χ	
					W/D Hookups		Pool	Χ			
			Total	41	Patio/Balcony		Play Area		Type of Heat		
					Window Coverings	Χ	Business Center		Electric		Χ
					Central A/C	Χ	Security	Χ	Gas		
					Elevator	Χ	Elderly Facility	Χ			

Building Description: This complex opened in June 2021. Three-story, elevator-style,

apartment complex features 41 one and two-bedroom units. The

property is in excellent condition.

Occupancy: 95% occupied with a waiting list consisting of 58 households for one

bedroom units and 38 households for two bedroom units.

Comments: Units are restricted to 60% AMI rent and income limits. Currently has

13 tenants using Section 8 vouchers. Preleasing began in March 2021 and complex opened June 28, 2021, exhibiting an approximate

monthly absorption rate of eight units.

Rents were increased in early 2023 approximately 14% based on demand following a 10% increase at the beginning of 2022. The recently increased rents are shown above. Prior rents were \$550, \$687

and \$800 per month, respectively.





Rent Comparable 5 LIHTC/ Elderly Designated

Kirkman Terrace Apartments 100 Croft Street Hopkinsville, KY

Contact: Online Resources
Phone: 270-348-5528
Date of Interview: September 26, 2023

Unit	Unit	Rental	Rent	Total							
Туре	Size	Rates	S.F.	Units	Unit Amenities		Site Amenities		Utilities	LL	Т
1BR/1BA	693	\$641	\$0.92	24	Range	Χ	Laundry Facility	Χ	Heat		Х
2BR/1BA	888	\$762	\$0.86	21	Refrigerator	Χ	Free Parking	Χ	Cooking		Х
					Dishwasher	Χ	Business Center/ Library	Χ	AC		Х
					Disposal	Χ	Extra Storage	Χ	Electricity		Х
					Microwave	Χ	Clubhouse/Meeting Rm.	Χ	Hot Water		Х
					Washer/Dryer		Swimming Pool		Water/Sewer	Χ	
			Total	45	W/D Hook-ups	Χ	Fitness Center	Χ	Trash Removal	Χ	
					Patio/Balcony		Craft/ Grandkids Rm	Χ			
					Window Coverings	Χ	Playground		Type of Heat		
					Central Air	Χ	Security & Keyfobs	Χ	Electric		Х
					Electric Wall Units		BBQ/ Picnic Area	Χ	Gas		
					Pull Cords	Χ	Elevator	Χ			

Building Description: This complex fully opened in February 2021 and is in excellent condition.

Occupancy: 96% with 21 on the waiting list. (Vacancy data taken from November 2022 survey)

Additional Comments: The property n

The property manager would not respond to our survey inquiries. The above data was obtained during a September 2023 survey. Units are restricted to 60% AMI. The manager indicated approximately half of the 45 units were preleased prior to the complex coming online. The first tenant moved in December 21, 2020, with the last tenant (to reach 100% occupancy) moving in July 15, 2021. This approximates an absorption rate of just over six units per month. The above rents taken from their website believed to be up to date. The remaining information obtained during an August 2022 survey.



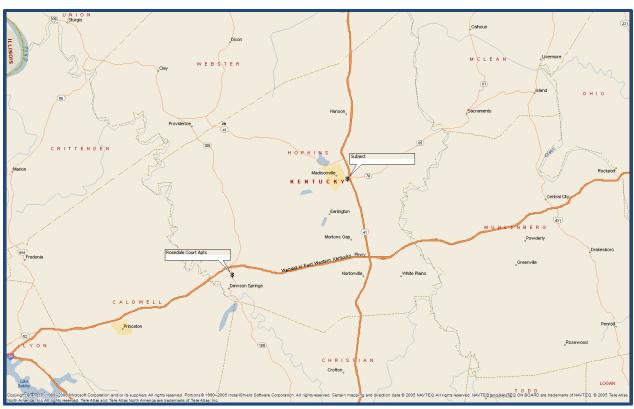
Projects Not Yet Placed in Service

We have cross-referenced the list of "Projects Not Yet Placed in Service before the 2024 Funding Round" supplied by KHC and are unaware of any projects that are yet to be placed in service that are family-oriented and located within 3.0 miles of the subject property.

PROJECTS NOT YET PLACED IN SERVICE

Development Name	Address	# of Units	Designation	Distance from Subject
Rosedale Court Apts	45 Rosedale Court	40	Family-Section 8	14.8 miles
Total		40		

MAP OF PROJECTS NOT YET PLACED IN SERVICE





Achievable Restricted Rent

The purpose of this section is to estimate the achievable restricted rent and market rent for the subject as proposed based on the data and analyses presented in the previous sections of the report. This development will be a family-oriented project. The proposed 32-unit development will have one, two, and three-bedroom units. The first overlay of rent and income restrictions includes four units restricted to 50% LIHTC AMI and 28 units restricted to 60% AMI. The four 50% AMI units are further restricted to Low HOME rent and income. Of the twenty-eight 60% AMI units, 13 are further restricted to High HOME rent and income.

The following table summarizes the LIHTC maximum gross rents for a 4% LIHTC and tax-exempt bond issue (effective 5/15/2023) for the subject's unit types. Tenant paid utilities are then deducted from the gross rents to determine the maximum net rents. The KHC rent and income limits and the utility allowance schedule for Hopkins County, which is utilized in the market rent analysis are included in the Addenda.

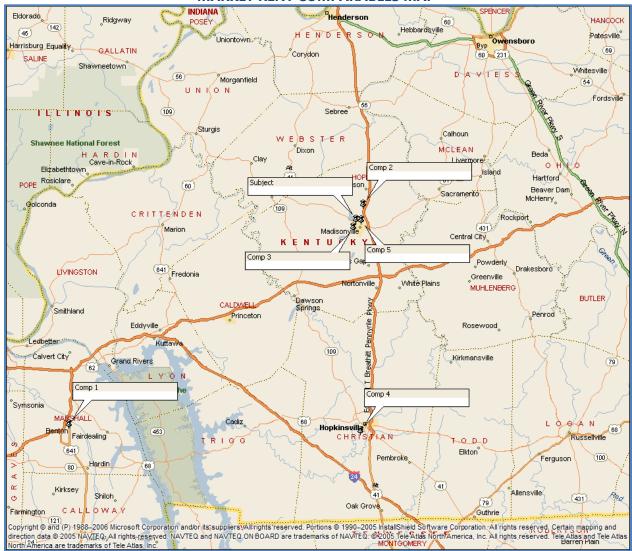
MAXIMUM NET RESTRICTED RENT

Unit Type/ AMI Restriction	Unit Size	Max Gross Rest. Rent	Heat	Range	Other Electric	Air Cond.		Water / Sewer	Trash Removal	Total Utilities	Net Rest. Rent	Dev. Net Proforma Rent
1 BR Low HOME	614 sf	\$622	\$43	\$8	\$22	\$8	\$23	\$0	\$0	\$104	\$518	\$515
1 BR High HOME	614 sf	\$622	\$43	\$8	\$22	\$8	\$23	\$0	\$0	\$104	\$518	\$515
1 BR RHTF	614 sf	\$756	\$43	\$8	\$22	\$8	\$23	\$0	\$0	\$104	\$652	\$650
1 BR 60% LIHTC	614 sf	\$756	\$43	\$8	\$22	\$8	\$23	\$0	\$0	\$104	\$652	\$650
2 BR Low HOME	861 sf	\$756	\$51	\$10	\$28	\$10	\$30	\$0	\$0	\$129	\$627	\$625
2 BR High HOME	861 sf	\$819	\$51	\$10	\$28	\$10	\$30	\$0	\$0	\$129	\$690	\$690
2 BR RHTF	861 sf	\$907	\$51	\$10	\$28	\$10	\$30	\$0	\$0	\$129	\$778	\$750
2 BR 60% LIHTC	861 sf	\$907	\$51	\$10	\$28	\$10	\$30	\$0	\$0	\$129	\$778	\$750
3 BR Low HOME	1,168 sf	\$873	\$60	\$12	\$35	\$13	\$36	\$0	\$0	\$156	\$717	\$715
3 BR / 60% High HOME	1,168 sf	\$1,048	\$60	\$12	\$35	\$13	\$36	\$0	\$0	\$156	\$892	\$855
3 BR RHTF	1,168 sf	\$1,048	\$60	\$12	\$35	\$13	\$36	\$0	\$0	\$156	\$892	\$855
3 BR 60% LIHTC	1,168 sf	\$1,048	\$60	\$12	\$35	\$13	\$36	\$0	\$0	\$156	\$892	\$855

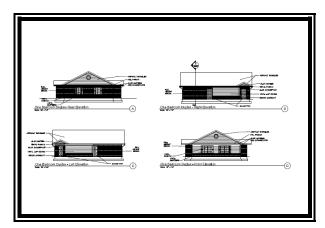
In order to test the feasibility of achievable restricted rent, market rent in the subject's market area must be established. Numerous apartment developments were identified and analyzed. Those comparables that were considered most similar with regards to physical and locational characteristics were utilized in the analysis of market rent. Due to the limited supply of three-bedroom comparables we expanded the search to other nearby markets. A map locating each is shown below followed by comp sheets for each.



MARKET RENT COMPARABLES MAP







Subject LIHTC- Family

Harper Village Approx 445 Browning Street Madisonville, KY

Contact: Anthony Elmore
Phone: 270-259-5607
Date of Interview: February 28, 2024

Unit	Unit	Rental	Rent	Total							
Туре	Size	Rates	S.F.	Units	Unit Amenities		Site Amenities		Utilities	LL	Т
1 BR / 1 BA	614	\$515/\$650	\$\$.84-\$1.06	8	Range	Χ	Laundry Facility		Heat		Х
2 BR / 1 BA	861	\$625/\$690/\$750	\$.73-\$.87	20	Refrigerator	Χ	Free Parking	Χ	Cooking		Х
3 BR / 2 BA	1168	\$715/\$855/\$855	\$.61-\$.73	4	Dishwasher	Χ	Paid Parking		AC		Х
					Disposal		Extra Storage	Χ	Electricity		Х
			Total	32	Microwave		Clubhouse/Mting Rm.	Χ	Hot Water		Х
					Washer/Dryer		Swimming Pool		Water/Sewer	Χ	
					W/D Hook-ups	Χ	Fitness Center		Trash Removal	Χ	
					Patio/Balcony		Business Center				
					Window Coverings	Χ	Roof Deck		Type of Heat		
					Central Air	Χ	Security		Electric		Х
					Electric Wall Units		Tennis		Gas		
					Window Units		Playground	Χ			

Building Description: Construction is scheduled to be completed by December of 2026 and

will be in excellent condition upon completion of construction.

Comments: The subject will be a family-oriented LIHTC property funded by a taxexempt bond, 4% LIHTCs, RHTF and CDBG Funds. With respect to the rents shown above, the lowest rent is Low HOME, the mid rent is High HOME, and the highest rent is the 60% LIHTC rent. For the onebedroom rents, the Low HOME and High HOME rents are the same.

The RHTF and 60% LIHTC units have the same rent.





Rent Comparable 1 Market Rate

Olive Place Apts. 1305 Olive Street Benton, KY

Contact: Alicia

Phone: 270-527-2888 Interview Date: December 2023

Number	Number	Unit Size	Rental	Rent per	Total	Unit		Site			LL-Y
Bedrooms	Baths	Sq. Ft.	Rates	Sq. Ft.	Units	Amenities		Amenities		Utilities	T-N
1	1	650	\$695	\$1.07		Range/Refrig	Y/Y	Free Parking	Y	Heat	N/Elect
2	1	900	\$795	\$0.88		Disposal	Y	Extra Storage	N	Cooling	N/Elect
3	2	1200	\$895	\$0.75		Micro/Dish	N/Y	Security	N	Cooking	N/Elect
						W/D,HU,L,N	Hookups	Clubhouse, MR	N	Hot Water	N/Elect
						Patio/Balc	Y	Amenities	0	Other Electric	N/Elect
						Window Cov	Y	Pool		Water/ Sewer	Y
						A/C	Central	Fitness Ctr		Trash/ Recycling	Y
				Total	8	Special Features	N	Business Center	N	Cable	N
						Elevator	N	Elderly Facility	N		

Building Description: The property was constructed in 2017 and is in very good condition.

Features stainless steel appliances and laminate counter tops. This property is considered to be in similar condition compared to the

subject upon completion.

Occupancy/Concession: 100% occupied.

Comments: No rent concessions.





Rent Comparable 2 Market Rate

Elk Creek Manor Apartments 150 Hickory Drive Madisonville, KY

Contact: Rebecca
Phone: 270-821-6781
Date of Interview:December 2023

Number	Number	Unit Size	Rental	Rent per	Total	Unit		Site			LL-Y
Bedrooms	Baths	Sq. Ft.	Rates	Sq. Ft.	Units	Amenities		Amenities		Utilities	T-N
1	1	676	\$575	\$0.85		Range/Refrig	Y/Y	Free Parking	Y	Heat	Y/Gas
2	1	875	\$675	\$0.77		Disposal	Y	Extra Storage	N	Cooling	N/Elect
2'	1.5	900	\$695	\$0.77		Micro/Dish	N/Y	Security	N	Cooking	N/Elect
						W/D,HU,L,N	Hookups	Clubhouse, MR	N	Hot Water	Y/Gas
						Patio/Balc	Y	Amenities	1	Other Electric	N/Elect
						Window Cov	Y	Pool	Y	Water/ Sewer	Y
						A/C	Central	Tennis	N	Trash/ Recycling	Y
				Total	59	Special Features	N	Business Center	N	Cable	N
						Elevator	N	Elderly Facility	N		

Building Description: Property was built in 1970's and is in mostly average condition. It is in

inferior condition compared to the subject upon completion.

Occupancy: 100%

Additional Comments: No rent concessions. The two-bedroom with one and half baths do not

have hookups.





Rent Comparable 3 Market Rate

Willow Run Apartments 901 Princeton Rd Madisonville, KY

Contact: Debi

Phone: 270-584-9204 Date of Interview: December 2023

Number	Number	Unit Size	Rental	Rent per	Total	Unit		Site			LL-Y
Bedrooms	Baths	Sq. Ft.	Rates	Sq. Ft.	Units	Amenities		Amenities		Utilities	T-N
Studio	1	288	\$660	\$2.29		Range/Refrig	Y/Y	Free Parking	Y	Heat	N/Elect
1	1	576	\$765	\$1.33		Disposal	N	Extra Storage	Y	Cooling	N/Elect
2	1	864	\$865	\$1.00		Micro/Dish	N/Y	Security	N	Cooking	N/Elect
2'	2	864	\$890	\$1.03		W/D,HU,L,N	Hookups	Clubhouse, MR	N	Hot Water	N/Elect
						Patio/Balc	Y	Amenities	0	Other Electric	N/Elect
						Window Cov	Y	Courtyard	N	Water/ Sewer	N
						A/C	Central	Fitness Ctr	N	Trash/ Recycling	N
				Total	72	Special Features	N	Business Center	N	Cable	N
						Elevator	N	Elderly Facility	N		

Building Description: Property was built in 1984 and is in mostly average condition. It is in

inferior condition compared to the subject upon completion.

Occupancy: 95%

Additional Comments: No rent concessions. The one-bedroom pay approximately \$45 per

month for water, sewer and trash collection, with the landlord paying the remainder. The two-bedroom with one bath tenants pay \$55 per month and the two-bedroom with two bath tenants pay \$60 per

month.





Rent Comparable 4

Market Rate

The Park on Country Club 30 Hickory Ridge Circle Hopkinsville, KY

Contact: Cindy

Phone: 270-418-3973 Date of Interview: January 18, 2024

Number	Number	Unit Size	Rental	Rent per	Total	Unit		Site			LL-Y
Bedrooms	Baths	Sq. Ft.	Rates	Sq. Ft.	Units	Amenities		Amenities		Utilities	T-N
1	1	750	\$929	\$1.24		Range/Refrig	Y/Y	Free Parking	Y	Heat	N/Elect
2	1	925	\$1,029	\$1.11		Disposal	Y	Extra Storage	N	Cooling	N/Elect
3	1.5	1250	\$1,129	\$0.90		Micro/Dish	N/Y	Security	N	Cooking	N/Elect
						W/D,HU,L,N	Laundry	Clubhouse, MR	N	Hot Water	N/Elect
						Patio/Balc	Y	Amenities	4	Other Electric	N/Elect
						Window Cov	Y	Playground/Dog Park	Y	Water/ Sewer	N
						A/C	Central	Bball Ct, Pool	Y	Trash/ Recycling	N
				Total	72	Special Features	N	Business Center	N	Cable	N
						Elevator	N	Elderly Facility	N		

Building Description:

This complex was built in 1971. The property manager indicated the renovation was completed in May of 2023. The interior renovations included new flooring, carpet, black appliances, cabinets, and granite counter tops. However, there were no visible signs of a renovated exterior observed during the site visit, with the exterior in just average condition. Overall, the property is considered to be in similar condition compared to the subject upon completion.

Occupancy: 98%

Comments: No rent concessions.





Rent Comparable 5 Market Rate

410 Apartments 424 N. Main St. Madisonville, KY

Contact: Amanda
Phone: 270-821-6781
Date of Interview: December 2023

Number	Number	Unit Size	Rental	Rent per	Total	Unit		Site			LL-Y
edrooms	Baths	Sq. Ft.	Rates	Sq. Ft.	Units	Amenities		Amenities		Utilities	T-N
2	1	943	\$675	\$0.72		Range/Refrig	Y/Y	Free Parking	Y	Heat	N/Gas
						Disposal	Y	Extra Storage	N	Cooling	N/Elect
						Micro/Dish	N/Y	Security	N	Cooking	N/Elect
						W/D,HU,L,N	Hookups	Clubhouse, MR	N	Hot Water	N/Gas
						Patio/Balc	Y	Amenities	0	Other Electric	N/Elect
						Window Cov	Y	Playground	N	Water/ Sewer	N
						A/C	Central	Fitness Ctr	N	Trash/ Recycling	Y
				Total	12	Special Features	N	Business Center	N	Cable	N
						Elevator	N	Elderly Facility	N		

Building Description: This property was built in the 1980s and is in mostly average condition.

It is inferior to the subject upon completion.

Occupancy: 96%

Additional Comments: No rent concessions.



MARKET RENT GRID - 1 BR

			IVIAI	KKEIK	ENT G	KID -	I DK					
							OMB App	proval # 2502	2-0507 (exp. 9	9/30/2011)		
Rent	Comparability Grid		Unit Type]		Subject's FH	A #:				
	Subject		Con	ıp 1	Con	ıp 2	Con	ıp 3	Con	ıp 4	Con	np 5
	Harper Village	Data	Olive Place		Elk Creek M	anor	Willow Run		The Park on	Country Clu	410 N Main	
	Approx 445 Browning St.	on	1305 Olive S	treet	150 Hickory		901 Princeto	on Rd	30 Hickory I		410 N Main	
	Madisonville, Hopkins	Subject	Benton, KY		Madisonville		Madisonville	KY	Hopkinsville	.	Madisonville	
A.	Rents Charged		Data	\$ Adj	Data	\$ Adj	Data	\$ Adj	Data	\$ Adj	Data	\$ Adj
1	\$ Last Rent / Restricted?		\$695		\$575		\$765		\$929		\$675	0.1113
2	Date Last Leased (mo/vr)		Dec-23		Dec-23		Dec-23	·····	Jan-24		Dec-23	
3	Rent Concessions		No		No		No		No	\$0	No	
4	Occupancy for Unit Type		100%		100%		95%		98%	30	96%	
			\$695	1.07	\$575	0.85	\$765	1.33	\$929	1.24	\$675	0.72
5	Effective Rent & Rent/ sq. ft	•	4		4		4		\$929	1.24	\$675	0.72
В.	Design, Location, Condition	In	Parts B thru		for difference				-	0.4.11		0.4.11
	Structure / Stories		Data	\$ Adj	Data	\$ Adj	Data	\$ Adj	Data	\$ Adj	Data	\$ Adj
6		WU/2	WF / 2		WF / 2		WF / 1		WF / 2		WF / 2	
7	Year Built/ Renovated	2027	2017		1970s		1980s		1971/2023		1980s	
8	Condition /Street Appeal	Excellent	Similar		Inferior	\$58	Inferior	\$77	Similar		Inferior	\$68
9	Neighborhood	Average	Inferior	\$70	Similar		Similar	<u> </u>	Superior	(\$93)	Similar	
10	Same Market? Miles to Subj		N		Y		Y		No		Y	
C.	Unit Equipment/ Amenities		Data	\$ Adj	Data	Adj	Data	\$ Adj	Data	\$ Adj	Data	\$ Adj
11	# Bedrooms	1	1		1		1		1		2	(\$50)
12	# Baths	1	1		1		1	I	1		1	
13	Unit Interior Sq. Ft.	614	650	(\$9)	676	(\$16)	576	\$10	750	(\$35)	943	(\$86)
14	Balcony/ Patio	N	Y	(\$5)	Y	(\$5)	Y	(\$5)	Y	(\$5)	Y	(\$5)
15	AC: Central/Wall/Window	Central	Central		Central		Central		Central		Central	
16	Range/ refrigerator	Y/Y	Y/Y		Y/Y		Y/Y		Y/Y		Y/Y	
17	Microwave/ Dishwasher	N/Y	N/Y		N/Y		N/Y		N/Y		N/Y	
18	Washer/dryer/Hookups/L	Hookups	Hookups		Hookups		Hookups		Laundry	\$15	Hookups	
19	Floor Coverings	C/V	C/V		C/V		C/V		C/V		C/V	
20	Window Coverings	Y	Y		Y		Y		Y		Y	
21	Cable/ Satellite/Internet	N	N		N		N		N		N	
22	Special Features	N	N		N		N		N		N	
23	Elevator	N N	N N		N N		N N		N N		N N	
D	Site Equipment/ Amenities	N		6.4.11		6.4.11		6.4.11		0.4.11		6.4.11
	Parking (\$ Fee)	Y	Data	\$ Adj	Data	\$ Adj	Data	\$ Adj	Data	\$ Adj	Data	\$ Adj
24			Y		Y		Y		Y		Y	
25	Extra Storage	Y	N	\$ 5	N	\$ 5	Y		N	\$ 5	N	\$ 5
26	Security	N	N		N		N		N		N	
27	Clubhouse/ Meeting Rooms	Y	N	\$ 5	N	\$ 5	N	\$ 5	N	\$ 5	N	\$ 5
28	Amenities (Pool, Rec. Area)	1	0	\$5	1		0	\$ 5	4	(\$15)	0	\$5
29	Business Ctr / Nbhd Netwk	N	N		N		N		N		N	
30	Service Coordination	N	N		N		N		N		N	
31	Non-shelter Services	N	N		N		N		N		N	
32	Senior Facility	N	N		N		N		N		N	
E.	Utilities		Data	\$ Adj	Data	\$ Adj	Data	\$ Adj	Data	\$ Adj	Data	\$ Adj
33	Heat (in rent?/ type)	N/Elect	N/Elect		Y/Gas	(\$43)	N/Elect		N/Elect		N/Gas	(\$13)
34	Cooling (in rent?/ type)	N/Elect	N/Elect		N/Elect		N/Elect	I	N/Elect	[N/Elect	
35	Cooking (in rent?/ type)	N/Elect	N/Elect		N/E1ect		N/E1ect		N/E1ect		N/E1ect	
36	Hot Water (in rent?/ type)	N/Elect	N/Elect		Y/Gas	(\$23)	N/E1ect	İ	N/E1ect		N/Gas	(\$12)
37	Other Electric	N/Elect	N/Elect		N/Elect		N/E1ect	İ	N/E1ect		N/E1ect	
38	Cold Water/ Sewer	Y	Y		Y		N	\$45	N	\$84	N	\$84
39	Trash /Recycling	Y	Y		Y		N		N	\$18	Y	t
F.	Adjustments Recap	-	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
40	# Adjustments B to D		4	2	3	2	4	1	3	4	4	3
41	Sum Adjustments B to D		\$85	(\$14)	\$68	(\$21)	\$96	(\$5)	\$25	(\$148)	\$83	(\$141)
42	Sum Utility Adjustments		\$0	\$0	\$08	(\$66)	\$45	\$0	\$102	(\$148) \$0	\$84	(\$25)
+2	Jam Junity Inquetments		Net	Gross	Net	(\$66) Gross	Net	Gross	Net	Gross	Net	Gross
	Net/Comp. (P P P.		\$70	S00				\$146			SI	
43	Net/ Gross Adjmts B to E			299	(\$20)	\$155	\$136	\$140	(\$21)	\$275		\$332
G.	Adjusted & Market Rents	***************************************	Adj. Rent		Adj. Rent		Adj. Rent	*************	Adj. Rent	**************	Adj. Rent	
44	Adjusted Rent (5+43)		\$765		\$555		\$901		\$908		\$676	
45	Adj Rent/Last rent			110%		97%		118%		98%		100%
46	Estimated Market Rent	\$800	\$1.30		Estimated M	Iarket Rent	/ Sq. Ft					



MARKET RENT GRID – 2 BR

							01 m 1	4 // 0 500		100100111		
D 4	Commonskiis Cold		Unit Type				OMB App Subject's FH		2-0507 (exp. 9	9/30/2011)	1	
Kent	Comparability Grid		Chii Type			2	Subject's FII	A #:			<u>]</u>	
	Subject		Con	ın 1	Con	ın 2	Con	ın 3	Con	m 4	Con	ıp 5
	Harper Village	Data	Olive Place		Elk Creek M	-	Willow Run	·P ·		_	410 N Main	p -
	Approx 445 Browning St.	on	1305 Olive 8	treet	150 Hickory		901 Princeto	on Rd	30 Hickory I		410 N Main	
	Madisonville, Hopkins	Subject	Benton, KY	I	Madisonville		Madisonville	, KY	Hopkinsville		Madisonville	
A.	Rents Charged		Data	\$ Adj	Data	\$ Adj	Data	\$ Adj	Data	\$ Adj	Data	\$ Adj
1	\$ Last Rent / Restricted?		\$795		\$675		\$865		\$1,029		\$675	
2	Date Last Leased (mo/yr)		Dec-23		Dec-23		Dec-23		Jan-24		Dec-23	
3	Rent Concessions		No		No		No		No	\$0	No	[
4	Occupancy for Unit Type		100%		100%		95%		98%		96%	
5	Effective Rent & Rent/ sq. ft		\$795	0.88	\$675	0.77	\$865	1.00	\$1,029	1.11	\$675	0.72
		In	Parts B thru.		for difference							
B.	Design, Location, Condition		Data	\$ Adj	Data	\$ Adj	Data	\$ Adj	Data	\$ Adj	Data	\$ Adj
6	Structure / Stories	WU/2	WF / 2		WF / 2		WF / 1		WF / 2		WF / 2	
7	Year Built/ Renovated	2027	2017		1970s		1980s		1971/2023		1980s	
8	Condition /Street Appeal	Excellent	Similar		Inferior	\$68	Inferior	\$87	Similar		Inferior	\$68
9	Neighborhood	Average	Inferior	\$80	Similar	ļ	Similar	ļ	Superior	(\$103)	Similar	
10	Same Market? Miles to Subj		N		Y		Y		No		Y	
C.	Unit Equipment/ Amenities # Bedrooms	_	Data	\$ Adj	Data	Adj	Data	\$ Adj	Data	\$ Adj	Data	\$ Adj
11	# Bedrooms # Baths	2	2		2		2		2		2	
12	# Baths Unit Interior Sq. Ft.	1	1	/605	1 075	/60%	1	/615	1 025	/61.45	1	/61 ON
13	Balcony/ Patio	861 N	900 V	(\$9)	875 V	(\$3)	864 V	(\$1)	925 V	(\$14)	943 Y	(\$18)
15	AC: Central/ Wall/ Window	Central	Y Central	(\$5)	Y Central	(\$5)	Y Central	(\$5)	Y Central	(\$5)	Y Central	(\$5)
16	Range/ refrigerator	Y/Y	Y/Y		Y/Y		Y/Y		Y/Y		Y/Y	
17	Microwave/ Dishwasher	N/Y	N/Y		N/Y		N/Y		N/Y		N/Y	
18	Washer/dryer/Hookups/L	Hookups	Hookups		Hookups		Hookups		Laundry	\$15		
	Floor Coverings	C/V	C/V		C/V		C/V		C/V	\$10	Hookups C/V	
20	Window Coverings	Y	Y		Y		Y		Y		Y	
21	Cable/ Satellite/Internet	N	N	<u> </u>	N	<u> </u>	N	<u> </u>	N		N	
22	Special Features	N	N		N		N		N		N	
	Elevator	N	N		N		N		N		N	
D	Site Equipment/ Amenities	- 11	Data	\$ Adj	Data	\$ Adj	Data	\$ Adj	Data	\$ Adj	Data	\$ Adj
	Parking (\$Fee)	Y	Y	9.1uj	Y	9.1uj	Y	9.1uj	Y	9.1uj	Y	9.1uj
25	Extra Storage	Y	N	\$ 5	N	\$ 5	Y		N	\$ 5	N	\$ 5
26	Security	N	N		N		N		N		N	
27	Clubhouse/ Meeting Rooms	Y	N	\$ 5	N	\$ 5	N	\$ 5	N	\$ 5	N	\$5
28	Amenities (Pool, Rec. Area)	1	0	\$ 5	1		0	\$5	4	(\$15)	0	\$5
29	Business Ctr / Nbhd Netwk	N	N		N		N		N		N	
30	Service Coordination	N	N	İ	N	İ	N	İ	N		N	
31	Non-shelter Services	N	N		N		N		N		N	
32	Senior Facility	N	N		N		N		N		N	
	Utilities		Data	\$ Adj	Data	\$ Adj	Data	\$ Adj	Data	\$ Adj	Data	\$ Adj
	Heat (in rent?/ type)	N/Elect	N/Elect		Y/Gas	(\$51)	N/Elect		N/Elect		N/Gas	(\$17)
	Cooling (in rent?/ type)	N/Elect	N/Elect		N/E1ect		N/E1ect		N/Elect		N/E1ect	
35	Cooking (in rent?/ type)	N/Elect	N/E1ect		N/E1ect		N/Elect		N/E1ect		N/E1ect	
	Hot Water (in rent?/ type)	N/Elect	N/Elect		Y/Gas	(\$30)	N/Elect		N/E1ect		N/Gas	(\$16)
37	Other Electric	N/Elect	N/Elect		N/Elect		N/E1ect		N/E1ect		N/E1ect	
38	Cold Water/ Sewer	Y	Y		Y		N	\$ 55	N	\$100	N	\$100
	Trash /Recycling	Y	Y		Y		N	-	N	\$18	Y	
	Adjustments Recap		Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
40	# Adjustments B to D		4	2	3	2	3	2	3	4	4	2
41	Sum Adjustments B to D		\$95	(\$14)	\$78	(\$8)	\$97	(\$6)	\$25	(\$137)	\$83	(\$23)
42	Sum Utility Adjustments		\$0	\$0	\$0	(\$81)	\$55	\$0	\$118	\$0	\$100	(\$33)
	N. 45 41 . B		Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross
43	Net/ Gross Adjmts B to E		\$81	\$108	(\$12)	\$167	\$146	\$157	\$6	\$280	\$126	\$239
G. 44	Adjusted & Market Rents	0.0000000000000000000000000000000000000	Adj. Rent	***************************************	Adj. Rent	***************************************	Adj. Rent		Adj. Rent		Adj. Rent	000000000000000000000000000000000000000
44	Adjusted Rent (5+43) Adj Rent/Last rent		\$876	110%	\$663	98%	\$1,011	117%	\$1,035	101%	\$801	119%
_	•	6000	\$1.05	110%	F-41 1	1	V.C. T.	11/%		101%		119%
40	Estimated Market Rent	\$900	\$1.05		Estimated M	narket Kent	5q. Ft					



MARKET RENT GRID – 3 BR

							01 m 1	4 // 0 500		100100111		
D	Common Like Cold		Unit Type				OMB App Subject's FH		2-0507 (exp. 9	/30/2011)	1	
Kent	Comparability Grid		Unit Type			,	Subject's F11	A #:			<u>]</u>	
	Subject		Con	ın 1	Con	ın 2	Con	ın 3	Con	ın 4	Con	ıp 5
	Harper Village	Data	Olive Place	· ·	Elk Creek M	_	Willow Run	·P ·		•	410 N Main	40
	Approx 445 Browning St.	on	1305 Olive S	treet	150 Hickory		901 Princeto	on Rd	30 Hickory I		410 N Main	
	Madisonville, Hopkins	Subject	Benton, KY	Ī	Madisonville		Madisonville	, KY	Hopkinsville		Madisonville	
A.	Rents Charged	-	Data	\$ Adj	Data	\$ Adj	Data	\$ Adj	Data	\$ Adj	Data	\$ Adj
1	\$ Last Rent / Restricted?		\$895		\$675		\$865		\$1,129		\$675	
2	Date Last Leased (mo/yr)		Dec-23		Dec-23		Dec-23		Jan-24		Dec-23	
3	Rent Concessions		No		No		No		No	\$0	No	
4	Occupancy for Unit Type		100%		100%		95%		98%		96%	
5	Effective Rent & Rent/ sq. ft		\$895	0.75	\$675	0.77	\$865	1.00	\$1,129	0.90	\$675	0.72
		In	Parts B thru.				's market valu					
B.	Design, Location, Condition		Data	\$ Adj	Data	\$ Adj	Data	\$ Adj	Data	\$ Adj	Data	\$ Adj
6	Structure / Stories	WU/2	WF / 2		WF / 2		WF / 1		WF / 2		WF / 2	
7	Year Built/ Renovated	2027	2017		1970s		1980s		1971/2023		1980s	
8	Condition /Street Appeal	Excellent	Similar		Inferior	\$68	Inferior	\$87	Similar	/61	Inferior	\$68
9	Neighborhood	Average	Inferior	\$90	Similar		Similar	ļ	Superior	(\$113)	Similar	
10 C.	Same Market? Miles to Subj Unit Equipment/ Amenities		N	6.4.11	Y	4.11	Y	6.111	No	6.4.11	Y	6
	# Bedrooms		Data	\$ Adj	Data	Adj	Data	\$ Adj	Data	\$ Adj	Data	\$ Adj
11	# Baths	3 2	3		2	\$50 \$15	2	\$50 \$15	3 1.5	\$10	2	\$50 \$15
	Unit Interior Sq. Ft.	1168	1200	(\$7)	875	\$15 \$61	864	\$15 \$63	1.5	(\$17)	943	\$15 \$47
14	Balcony/ Patio	1168 N	1200 V	(\$7)	8/3 V	(\$5)	864 V	(\$5)	1250 Y	(\$17)	943 Y	(\$5)
15	AC: Central/ Wall/ Window	Central	Central	(33)	Central	(33)	Central	(\$3)	Central	(33)	Central	(33)
16	Range/ refrigerator	Y/Y	Y/Y		Y/Y		Y/Y		Y/Y		Y/Y	
17	Microwaye/ Dishwasher	N/Y	N/Y		N/Y		N/Y		N/Y		N/Y	
18	Washer/dryer/Hookups/L	Hookups	Hookups		Hookups		Hookups		Laundry	\$15	Hookups	
	Floor Coverings	C/V	C/V		C/V		C/V		C/V	917	C/V	
20	Window Coverings	Y	Y		Y		Y		Y		Y	
21	Cable/ Satellite/Internet	N	N		N		N		N		N	
22	Special Features	N	N		N		N		N		N	
	Elevator	N	N		N		N		N		N	
D	Site Equipment/ Amenities		Data	\$ Adj	Data	\$ Adj	Data	\$ Adj	Data	\$ Adj	Data	\$ Adj
24	Parking (\$Fee)	Y	Y		Y		Y		Y		Y	
25	Extra Storage	Y	N	\$ 5	N	\$ 5	Y		N	\$ 5	N	\$ 5
26	Security	N	N		N		N		N		N	
27	Clubhouse/ Meeting Rooms	Y	N	\$ 5	N	\$ 5	N	\$ 5	N	\$ 5	N	\$ 5
28	Amenities (Pool, Rec. Area)	1	0	\$ 5	1		0	\$ 5	4	(\$15)	0	\$ 5
	Business Ctr / Nbhd Netwk	N	N		N		N		N		N	
30	Service Coordination	N	N		N		N		N		N	
31	Non-shelter Services	N	N		N		N		N		N	
32	Senior Facility	N	N		N		N		N		N	
	Utilities		Data	\$ Adj	Data	\$ Adj	Data	\$ Adj	Data	\$ Adj	Data	\$ Adj
	Heat (in rent?/ type)	N/Elect	N/E1ect		Y/Gas	(\$60)	N/Elect		N/Elect		N/Gas	(\$21)
	Cooling (in rent?/ type)	N/Elect	N/Elect		N/Elect		N/Elect		N/Elect		N/Elect	
35	Cooking (in rent?/ type)	N/Elect	N/Elect		N/Elect		N/Elect	ļ	N/Elect		N/Elect	
	Hot Water (in rent?/ type) Other Electric	N/Elect	N/Elect		Y/Gas	(\$36)	N/Elect	ļ	N/Elect		N/Gas	(\$19)
37	Cold Water/ Sewer	N/Elect	N/Elect		N/Elect		N/Elect	655	N/Elect	6117	N/Elect	633.5
38	Trash /Recycling	Y	Y		Y		N N	\$55	N N	\$116 \$18	N Y	\$116
	Adjustments Recap	Y	Pos	N	Pos	N	Pos	N	Pos	\$18 Neg	Pos	N
40	# Adjustments B to D		Pos 4	Neg	Pos 6	Neg 1	Pos 6	Neg 1	Pos 4	Neg 4	7	Neg 1
40	Sum Adjustments B to D	-	\$105	(\$12)	\$203	(\$5)	\$224	(\$5)	\$35	4 (\$150)	\$194	(\$5)
42	Sum Utility Adjustments		\$103	\$0 \$0	\$203 \$0	(\$96)	\$224 \$55	\$0	\$134	\$0	\$116	(\$40)
72			Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross
43	Net/ Gross Adjints B to E		\$93	\$116	\$102	\$304	\$274	\$284	\$19	\$319	\$265	\$355
G.	Adjusted & Market Rents		Adj. Rent	9110	Adj. Rent	9304	Adj. Rent	9207	Adj. Rent	9319	Adj. Rent	9333
44	Adjusted & Market Kents Adjusted Rent (5+43)		\$988		\$777		\$1,139		\$1,148		\$940	***************************************
45	Adj Rent/Last rent		3700	110%	3///	115%	31,139	132%	31,140	102%	3240	139%
	-	\$1,000	\$0.86		Estimated M		/ So. Ft		seessessistessissis	20279	<u> </u>	
40	Louintated Market Kent	\$1,000	90.00		Estimated A	larnet Kent	. oq. rt					



Market Rent Reconciliation

Adjustments were made to the comparables based on combinations of typical market adjustments, matched pairs, and our experience with similar markets. The comparables feature various positive and negative characteristics depending on renter motivations. Adjustments were made for differences in age and condition, location, unit size, amenity package, and utility structure.

1 BR /1 BA

The adjusted market rent for the subject's one-bedroom units is \$555 to \$908 per month, with a mean of \$761 per month. Comp 2, at \$555 per month, is well below the adjusted rental range of the remaining comps and given no consideration. Comp 1, at \$765 per month, is the most recent construction of all the comps and is most comparable due to age and condition, unit size, unit amenities, and utilities. Comp 3, at \$901 per month, is the next most comparable and is located in the subject's neighborhood. However, it is an older property in average condition.

Therefore, giving the most weight to Comp 1, but with some consideration to Comp 3, which is considerably higher, the estimated market rent for the subject's one-bedroom units is \$800 per month, which is bracketed by the comps.

2 BR /1 BA

The adjusted market rent for the subject's two-bedroom units is \$663 to \$1,035 per month, with a mean of \$877 per month. Comp 2, at \$663 per month, is well below the adjusted rental range of the remaining comps and given no consideration. Comp 1, at \$876 per month, is the most recent construction of all the comps and is most comparable due to age and condition, unit amenities, and utilities. Comp 3, at \$1,011 per month, is the next most comparable and is located in the subject's neighborhood. However, it is an older property in average condition.

Therefore, giving the most weight to Comp 1, but with some consideration to Comp 3, which is considerably higher, the estimated market rent for the subject's two-bedroom units is \$900 per month, which is bracketed by the comps.

3 BR /2 BA

The adjusted market rent for the subject's three-bedroom units is \$777 to \$1,148 per month, with a mean of \$999 per month. Comp 2, at \$777 per month, is well below the adjusted rental range of the remaining comps and given no consideration. Comp 1, at \$988 per month, is the most recent construction of all the comps and is most comparable due to age and condition, number of bedrooms, number of bathrooms, unit size, and utilities.

Therefore, giving the most weight to Comp 1, but with some consideration to Comp 3, at \$1,139 per month, which is a two-bedroom comp with a bedroom adjustment, but is located in the subject's neighborhood, the estimated market rent for the subject's three-bedroom units is \$1,000 per month, which is bracketed by the comps.



Rent Summary

Construction of the subject development is estimated to be complete by December of 2026, approximately 36 months from the date of this report. Given that LIHTC developments in some markets are charging rents at the maximum net restricted rents, rent survey results won't necessarily be a good indicator of inflation trends. Therefore, no inflation is applied to LIHTC rents.

Market rents have increased dramatically over the last several years. However, prior to COVID market rents increased at a modest pace in rural areas including Madisonville. Expectations are that inflationary pressures will subside with a more moderate rate of inflation going forward. Therefore, a 1.5% inflation rate is applied to market rents. No trending is applied to the developer's proforma rents since these are the rents to be effective upon completion of construction.

RENT	SU	MMARY	,
C		Commen	

Unit Type/ AMI Restriction	Unit Size	Current Net Rest.	Current Market	Trended Net Rest.	Trended Market	Dev. Net Proforma
		Rent	Rent	Rent	Rent	Rent
1 BR Low HOME	614 sf	\$518	\$800	\$518	\$835	\$515
1 BR High HOME	614 sf	\$518	\$800	\$518	\$835	\$515
1 BR RHTF	614 sf	\$652	\$800	\$652	\$835	\$650
1 BR 60% LIHTC	614 sf	\$652	\$800	\$652	\$835	\$650
2 BR Low HOME	861 sf	\$627	\$900	\$627	\$939	\$625
2 BR High HOME	861 sf	\$690	\$900	\$690	\$939	\$690
2 BR RHTF	861 sf	\$778	\$900	\$778	\$939	\$750
2 BR 60% LIHTC	861 sf	\$778	\$900	\$778	\$939	\$750
3 BR Low HOME	1,168 sf	\$717	\$1,000	\$717	\$1,044	\$715
3 BR / 60% High HOME	1,168 sf	\$892	\$1,000	\$892	\$1,044	\$855
3 BR RHTF	1,168 sf	\$892	\$1,000	\$892	\$1,044	\$855
3 BR 60% LIHTC	1,168 sf	\$892	\$1,000	\$892	\$1,044	\$855

Achievable Rent

As shown above, proforma rents are well below market rent. Proforma rents are only \$2 to \$3 below maximum net restricted rent for all 1 BR units, 2 BR Low and High HOME units, and 3 BR Low HOME units. The remaining units are approximately 3% to 7% below maximum net restricted rents.

To determine if the developer's proforma rents are achievable, one needs only to look at Winman Gardens (Comp 1), a 52-unit family oriented LIHTC property built in 2019 that is in excellent condition. Winman Gardens is located next door to the subject's proposed site and has similar physical characteristics to the proposed subject.



COMPARISON OF SUBJECT TO WINMAN GARDENS (LIHTC COMP 1)

Bedroom Type	AMI	Winman Gardens	Low HOME	Subject High HOME	60% AMI
1 BR					
	50%	\$574	\$515		
	60%	\$726		\$515	\$650
2 BR					
	50%	\$724	\$625		
	60%	\$786		\$690	\$750
3 BR					
	50%	\$830	\$715		
	60%	\$865		\$855	\$855

As shown above, the developer's proposed rents are less than the Winman Gardens at every AMI level demonstrating achievability of the developer's proforma rents. In addition, Winman Gardens has a waiting list of 44 households, indicating pent up demand for affordable housing in the subject's market area.

Therefore, based on the above analysis, the developer's rents are determined to the achievable restricted rents and are summarized below.

ACHIEVABLE NET RESTRICTED RENTS

Unit Type/ AMI Restriction	Unit Size	Achievable Rest. Rent W/O RA
1 BR Low HOME	614 sf	\$515
1 BR High HOME	614 sf	\$515
1 BR RHTF	614 sf	\$650
1 BR 60% LIHTC	614 sf	\$650
2 BR Low HOME	861 sf	\$625
2 BR High HOME	861 sf	\$690
2 BR RHTF	861 sf	\$750
2 BR 60% LIHTC	861 sf	\$750
3 BR Low HOME	1,168 sf	\$715
3 BR / 60% High HOME	1,168 sf	\$855
3 BR RHTF	1,168 sf	\$855
3 BR 60% LIHTC	1,168 sf	\$855



Market Rent Advantage

As the table below indicates, the subject units have a market rent advantage of 18.09% to 38.32%.

Market Rent Advantage W/O RA

	Achievable	Market	Market
Unit	Rent Upon	Rent Upon	Rent
Туре	Completion	Completion	Advantage
1 BR Low HOME	\$515	\$835	38.32%
1 BR High HOME	\$515	\$835	38.32%
1 BR RHTF	\$650	\$835	22.16%
1 BR 60% LIHTC	\$650	\$835	22.16%
2 BR Low HOME	\$625	\$939	33.47%
2 BR High HOME	\$690	\$939	26.55%
2 BR RHTF	\$750	\$939	20.16%
2 BR 60% LIHTC	\$750	\$939	20.16%
3 BR Low HOME	\$715	\$1,044	31.50%
3 BR / 60% High HOME	\$855	\$1,044	18.09%
3 BR RHTF	\$855	\$1,044	18.09%
3 BR 60% LIHTC	\$855	\$1,044	18.09%

Rental Assistance

According to Ms. Ashyia McFarland, the Section 8 Coordinator who oversees Housing Choice Vouchers in Hopkins County, there is a housing crisis in Madisonville due to a shortage of HCVs being utilized by displaced tenants in Dawson Springs who are taking precedent for usage. She stated a lot of Dawson Springs renters moved to Madisonville and quite a few were voucher holders. Ms. McFarland was not able to provide a breakdown of vouchers in circulation or the length of the waiting list.

Rental Vacancy

Based on the comparable market rate complexes responding to our occupancy survey, the reported weighted occupancy rate is 97.5% of the market rate comparables. The occupancy of the comparables located in Madisonville is 97.1%. None of the comparables is currently offering a rent concession, indicating a competitive marketplace.

OCCPUANCY RATES OF MARKET RATE COMPARABLES

	Avail	Occup	Occupied	Weighted
#	Units	Rate	Units	Occupancy Rate
1	8	100%	8	
2	59	100%	59	
3	72	95%	68	
4	72	98%	71	
5	12	96%	12	
Total	223		217	97.5%

As shown in the table below, the weighted occupancy rate of the LIHTC comparables is 96.0%. However, Comp 2 still has down units damaged in the tornado. Excluding these down units, overall market occupancy would be above 97%.



LIHTC COMPARABLES OCCUPANCY RATES

	Avail	Occup	Occupied	Weighted
#	Units	Rate	Units	Occupancy Rate
1	52	96%	50	
2	24	83%	20	
3	88	100%	88	
4	41	95%	39	
5	45	96%	43	
Total	250		240	96.0%

Considering the data and considering the high demand for affordable housing in the market area, a vacancy and collection loss rate of 5.0% (vacancy of 3.0% and collection loss of 2.0%) is considered reasonable for the subject.



Demographic Profile of Market Area

The tables in the Demographic Profile of Market Area provide current population figures and projections for the subject's primary market areas. The 2023 and 2028 population estimate and population projections are based on projected growth rates as estimated by Esri and applied to the actual 2020 Census data and American Community Survey (ACS). The data is delineated by the primary market area previously described.

We have utilized demographic data from Esri Demographics, a leading provider or Census demographic data within the United States. We compared the current 2023 - 2028 projections to demographic data from August 2021, four months prior to the tornado, which used 2021 - 2026 projections. The population and number of households decreased for the measured time period. As such, while we were not able to confirm the demographic data was completely accurate and reflective of the tornado's effect on the population and households, it at least patterns a decreasing population and household trend that may have been accelerated by the tornado. Discussions with Census Bureau officials and a demographer with Claritas (another nationally recognized demographic data provider), indicated that rarely in smaller markets, such as Madisonville, is demographic data updated immediately following a natural disaster, unless it coincides with a Census year. Therefore, it is not likely that the Census data is completely accurate. We held discussions with several local officials, but no current updated demographic data is known to exist. Many affected households moved in with family or into available rental units in the larger Western Kentucky region. According to property managers and the Dawson Springs and Madisonville Housing Authorities, many affected families moved to Madisonville, thus are still within the same county. For purposes of analysis, we have assumed the demographic data utilized herein to be reasonably accurate for the PMA and County, but we have considered the possibility it does not fully account for displacement following the tornado in our estimates and demand assumptions. Should the demographic data be found to be significantly inaccurate or not reflective of the displacement from the tornado that occurred in December 2021, our estimates of demand may be invalid.

The tables in the Demographic Profile of Market Area provide current population figures and projections for the subject's primary market areas. The 2023 population estimate and 2028 population projections are based on projected growth rates as estimated by Esri and applied to the actual Census data and American Community Survey (ACS). The data is delineated by the primary market area previously described. (See Extraordinary Assumption).



Population and Income

The following table provides historic, current, and projected trends. As shown, the population in the PMA had virtually no change between 2000 and 2010. Population is projected to decrease from 2023 to 2028 at a rate of-0.29% annually.

The number of households in the PMA increased 0.01% annually from 2000 to 2010, with the number of households projected to decrease -0.11% annually from 2023 to 2028.

Median household income is projected to increase 2.04% annually in the PMA from 2023 to 2028. As illustrated, average household size in the PMA is projected to decrease marginally, while the median age is projected to increase.

Total Population and Household Projections							
i.	2000	2010	Annual % Change	2023	Annual % Change	2028	Annual % Change
Population PMA	50,549	50,547	0.00%	48,228	-0.35%	47,525	-0.29%
Households PMA	20,499	20,526	0.01%	19,914	-0.23%	19,809	-0.11%
Median Househo PMA	ld Income -	-	-	\$51,273	-	\$56,495	2.04%
Average Househ	old Size -	2.41	_	2.37		2.35	_
Median Age PMA	_	40.4	_	43	_	44	-



Population By Age Estimates and Projections

As shown in the table below, the population in the subject's PMA is projected to decrease from 48,225 to 47,527 or 698 persons by 2028. Although some tenants will be drawn from Age 55+ population, the majority of the subject's tenants will be in the 25-54 age group. This group represents 36.88% of the total population in 2023 in the PMA and is projected to decrease to 35.72% of the total population in 2028.

POPULATION BY AGE

TOTOLATION DI AGE						
Primary Market Area						
Age Group	2023	2023	2028	2028		
0-4	5.55%	2,675	5.47%	2,601		
5-9	5.99%	2,888	5.78%	2,747		
10-14	6.09%	2,937	6.27%	2,980		
15-24	10.23%	4,934	10.41%	4,949		
25-34	11.99%	5,780	10.28%	4,886		
35-44	12.73%	6,137	13.02%	6,190		
45-54	12.17%	5,870	12.41%	5,899		
55-64	13.87%	6,688	12.45%	5,918		
65-74	12.87%	6,208	13.52%	6,425		
75-84	6.32%	3,046	7.83%	3,721		
85+	2.20%	1,062	2.55%	1,211		
Total	100.0%	48,225	100.0%	47,527		
Age 25 to 54	36.88%	17,787	35.72%	16,975		
Total		48,225		47,527		

Source: Site To Do Business (STDB)

Housing Tenure

In the PMA, renters constitute 25.97% of all housing units compared to 63.30% for owner-occupied.

HOUSING TENURE

HOOSING IE	ITOILE			
	PM <i>A</i>	PMA		
2010 Tenure Occupied Housing	# of Persons	% of Pop		
Total	22,993	100.00%		
Vacant	2,467	10.73%		
Occupied	20,526	89.27%		
Owner-Occupied	14,554	63.30%		
Renter-Occupied	5,972	25.97%		



Tenure by Age of Householder

As the following table indicates, of the total number of owner-occupied units in the PMA, approximately 70.96% are headed by non-seniors. Furthermore, approximately 84.09% of renter-occupied units in the PMA are headed by non-seniors, respectively.

TENURE BY AGE OF HOUSEHOLDER

TENURE BY AGE OF HOUSEHOLDER						
2010 Tenure	PMA					
Total	20,526					
	# of Persons	% of Pop				
Owner-Occupied Housing Units	14,554					
Age 15 to 24	254	1.75%				
Age 25 to 34	1,445	9.93%				
Age 35 to 44	2,285	15.70%				
Age 45 to 54	3,051	20.96%				
Age 55 to 59	1,646	11.31%				
Age 60 to 64	1,646	11.31%				
Age 65 to 74	2,381	16.36%				
Age 75 to 84	1,382	9.50%				
Age 85 and Over	464	3.19%				
# Owners Headed by Non-Seniors	10,327	70.96%				
# Owners Headed by Seniors (65+)	4,227	29.04%				
" owners reduce by semors (os .,	,,,	2510170				
Renter-Occupied Housing Units	5,972					
Age 15 to 24	645	10.80%				
Age 25 to 34	1,363	22.82%				
Age 35 to 44	1,139	19.07%				
Age 45 to 54	1,113	18.64%				
Age 55 to 59	381	6.38%				
Age 60 to 64	381	6.38%				
Age 65 to 74	455	7.62%				
Age 75 to 84	335	5.61%				
Age 85 and Over	161	2.70%				
# Renters Headed by Non-Seniors	# Renters Headed by Non-Seniors 5,022 84.09%					
# Renters Headed by Non-Seniors # Renters Headed by Seniors (65+)	951	15.92%				
" Neitters Headed by Selliors (03+)	271	13,32 /0				



Transportation Type and Travel Time

The following tables reflect the type of transportation used and travel time to work for residents in the PMA. As the tables indicate, workers who drive alone to work greatly outnumber any other method of workers' transportation. Furthermore, the travel time to work for most working residents in the PMA is less than 30 minutes.

Modes of Transportation

	PMA		
2023 Estimated Workers Age 16+	# of Persons	% of Pop	
Total Persons	19,204		
Drove Alone	17,054	88.80%	
Motorcycled	0	0.00%	
Car Pooled	1,377	7.17%	
Public Transportation	1	0.01%	
Walked	180	0.94%	
Bicycle	6	0.03%	
Other Means	122	0.64%	
Worked at Home	464	2.42%	

Source: Site To Do Business (STDB)

Travel Time to Work

	PMA		
2023 Estimated Workers Age 16+	# of Persons	% of Pop	
Total Persons	18,741		
Less Than 15 Minutes	7,426	39.62%	
15 to 29 Minutes	5,942	31.71%	
30 to 44 Minutes	3,008	16.05%	
45 to 59 Minutes	1,076	5.74%	
60 or More Minutes	1,289	6.88%	



Commuting Patterns

The following table indicates the commuting patterns of workers in and out of the county. CEDIK no longer reports the number of persons commuting in and out of the county, but rather just the top five counties for each category.

Commuting Patterns

County

Top 5 Counties People Commute From for Work - 2019

Muhlenburg County

Webster County

Christian County

Daviess County

Henderson County

Top 5 Counties People Commute To for Work - 2019

Christian County

Henderson County

Daviess County

Muhlenburg County

Jefferson County

Source: Community & Economic Development Initiative of Kentucky (CEDIK)



Estimates and Projections of Renter Households with Qualifying Incomes – PMA

Since qualifying income is based on a percentage of Area Median Income (AMI), as median incomes increase from 2023 through 2028, incomes used for tenant qualification will increase at the same rate. To calculate the estimated number of income-qualifying households there will be in 2028, the households that have qualifying income are calculated as a percentage of the total households. This same ratio is then applied to the total projected households for 2028. The implicit assumption in this calculation is that the same percentage of households will have qualifying income in 2023 as 2028.

The estimated minimum and maximum income levels needed to reside at the subject development are shown below.

Assumed Household Size and Minimum and Maximum Income

					Estimated Household		
	Total #			AMI Income	Size (#	Min	Max
Unit Type	Units	Unit Size	AMI Rent Level	Level	Persons)	Income	Income
1 BR Low HOME	1	614 sf	Low HOME	Low HOME	1-2	\$21,223	\$26,900
1 BR High HOMI	3	614 sf	High HOME	High HOME	1-2	\$21,223	\$32,280
1 BR RHTF	1	614 sf	60% AMI	60% AMI	1-2	\$25,851	\$32,280
1 BR 60% LIHTC	3	614 sf	60% AMI	60% AMI	1-2	\$25,851	\$32,280
2 BR Low HOME	2	861 sf	Low HOME	Low HOME	2-4	\$25,851	\$33,600
2 BR High HOMI	9	861 sf	High HOME	High HOME	2-4	\$28,080	\$40,320
2 BR RHTF	3	861 sf	60% AMI	60% AMI	2-4	\$30,137	\$40,320
2 BR 60% LIHTC	6	861 sf	60% AMI	60% AMI	2-4	\$30,137	\$40,320
3 BR Low HOME	1	1,168 sf	Low HOME	Low HOME	4-6	\$29,863	\$39,000
3 BR / 60% High	1	1,168 sf	60% AMI	60% AMI	4-6	\$34,663	\$46,800
3 BR RHTF	1	1,168 sf	60% AMI	60% AMI	4-6	\$34,663	\$46,800
3 BR 60% LIHTC	1	1,168 sf	60% AMI	60% AMI	4-6	\$34,663	\$46,800
Total	32	26,804 sf			1-6	\$21,223	\$46,800

When using both the qualifying income and renter status, the total number of qualifying households is projected to decrease in the PMA from 1,329 in 2023 to 1,322 in 2028 or a loss of 7 households. One year's total decreases the number of tenure and income qualified households by 1. Based on the subject's estimated completion date, there will be 1,324 income-qualified households upon completion.



RENTER HOUSEHOLDS WITH QUALIFYING INCOME

Primary Market Area																	
	Renter Hshlds	% Inc Eligible	Income Qualified Renter Hshlds	% Inc Eligible	Income Qualified Renter Hshlds	% Inc Eligible	Income Qualified Renter Hshlds	% Inc Eligible	Income Qualified Renter Hshlds	% Inc Eligible	Income Qualified Renter Hshlds	% Inc Eligible	Income Qualified Renter Hshlds	% Inc Eligible	Income Qualified Renter Hshlds	% Inc Eligible	Income Qualified Renter Hshlds
Unit Type Unit Size AMI Rent Restriction AMI Income Restriction		61 Low	w HOME 14 sf HOME HOME	1 BR Higl 614 High H High H	h HOME I sf HOME		RHTF 1 sf AMI	60%		86 Low	w HOME i1 sf HOME HOME	2 BR Hig 86 High I High I	h HOME 1 sf HOME	86 60%	RHTF 1 sf AMI AMI	2 BR 609 86 60% 60%	% LIHTC 1 sf AMI
Minimum Income Maximum Income			1,223 5,900	\$21, \$32,		\$25, \$32,		\$25 \$32			5,851 3,600		,080 ,320		,137 ,320	\$30, \$40,	
Less than \$5,000 \$5,000 to \$9,999 \$10,000 to \$14,999 \$15,000 to \$19,999 \$20,000 to \$24,999 \$25,000 to \$34,999 \$35,000 to \$49,999 \$50,000 to \$49,999	557 246 386 633 177 343 1,084 983	0.0% 0.0% 0.0% 0.0% 75.5% 19.0% 0.0%	0 0 0 0 134 65 0	0.0% 0.0% 0.0% 0.0% 75.5% 72.8% 0.0%	0 0 0 0 134 250 0	0.0% 0.0% 0.0% 0.0% 0.0% 64.3% 0.0%	0 0 0 0 0 0 221 0	0.0% 0.0% 0.0% 0.0% 0.0% 64.3% 0.0%	0 0 0 0 0 0 221 0	0.0% 0.0% 0.0% 0.0% 0.0% 77.5% 0.0%	0 0 0 0 0 266 0	0.0% 0.0% 0.0% 0.0% 0.0% 69.2% 35.5% 0.0%	0 0 0 0 0 0 237 384 0	0.0% 0.0% 0.0% 0.0% 0.0% 48.6% 35.5% 0.0%	0 0 0 0 0 167 384 0	0.0% 0.0% 0.0% 0.0% 0.0% 48.6% 35.5% 0.0%	0 0 0 0 0 167 384 0
Inc Qual Renter Hshlds in 2023		1	99	38	3	22	1	22	21	2	66	62	22	5	51	55	51
Total Households in 2023 Inc Qual Renter Hslds as % of Total Hshlds in 2023			,914 .0%	19,9 1.9		19, 1.1	914	19, 1.	914 1%		,914 3%	19,1 3.1			914 8%		914 3%
2028 Total Projected Hshlds			,809	19,8			809		809		,809	19,			809		809
2028 Proj Inc Qual Renter Hshlds Five Years Growth One Years Growth		1	-1 0	38 -2 0	2	-	19 1)		19 1 0		-1 0	6 ⁻ - -	3		48 3 1		48 3 1
Inc Qual Renter Hshlds Upon Comp		1	98	38	12	22	20	2	20	2	65	61	19	5-	49	54	19
Source: Site To Do Business (STDB)					·				•			·	•				



RENTER HOUSEHOLDS WITH QUALIFYING INCOME (CONTINUED)

Lo Lo	Income Qualified Renter Hshlds Low HOME ,168 sf w HOME w HOME	1,16 High l High l	Income Qualified Renter Hshlds In HOME 88 sf HOME HOME		Income Qualified Renter Hshlds RHTF 68 sf	1,10	Income Qualified Renter Hshlds % LIHTC 68 sf	% Inc Eligible To 26.8	Income Qualified Renter Hshlds
Lo Lo	,168 sf w HOME w HOME	1,16 High l High l	58 sf HOME	1,1	68 sf	1,10			
	29,863	l		60%	AMI AMI		AMI AMI		U4 ST
	39,000		,663 ,800		i,663 i,800		l,663 i,800		,223 ,800
557 0.0% 246 0.0% 386 0.0% 633 0.0% 177 0.0% 343 51.4% ,084 26.7% 983 0.0%	•	19,	914	19	914	19,	914	19,	0 0 0 0 134 343 853 0
		19, 8 -	809 60 5	19, 8	.809 60 -5	19, 8	.809 .60 -5	19, 1,3 -	809 322 7 1
24 38 63 17 34	6 0.0% 6 0.0% 3 0.0% 7 0.0% 3 51.4% 84 26.7% 3 0.0%	6 0.0% 0 6 0.0% 0 3 0.0% 0 7 0.0% 0 3 51.4% 176 84 26.7% 289 3 0.0% 0 465 19,914 2.3% 19,809 463 -2 0	66 0.0% 0 0.0% 66 0.0% 0 0.0% 3 0.0% 0 0.0% 7 0.0% 0 0.0% 3 51.4% 176 3.4% 84 26.7% 289 78.7% 3 0.0% 0 0.0% 465 88 19,914 19, 2.3% 4.3 19,809 19, 463 8 -2 - 0 -	66 0.0% 0 0.0% 0 66 0.0% 0 0.0% 0 3 0.0% 0 0.0% 0 7 0.0% 0 0.0% 0 3 51.4% 176 3.4% 12 84 26.7% 289 78.7% 853 3 0.0% 0 0.0% 0 465 864 19,914 19,914 2.3% 4.3% 19,809 19,809 463 860 -2 -5 0 -1	66 0.0% 0 0.0% 0 0.0% 0 0.0% 66 0.0% 0 0.0% 0 0.0% 0 0.0% 3 0.0% 0 0.0% 0 0.0% 0 0.0% 0 0.0% 3 51.4% 176 3.4% 12 3.4% 84 26.7% 289 78.7% 853 78.7% 0.0% 0 0.	66 0.0% 0	66 0.0% 0	6 0.0% 0	66 0.0% 0



Households by Number of Persons

The following table presents renter household data for the PMA. As the table indicates, 29.1% of households in the PMA were renters. The table also indicates 99.0% of total renter households in the PMA are 1-6 person households. These figures are used in the total capture rate calculations.

Renter Households by Number of Persons

	PN	ΛA
	Households	Percent of
	2010	Total
Total Occupied Households	20,526	100.0%
Total Owner Households	14,554	70.9%
Total Renter Households	5,972	29.1%
4 Barras Barras Harrashalda	2.266	27.00/
1 Person Renter Households	2,266	37.9%
2 Person Renter Households	1,465	24.5%
3 Person Renter Households	1,006	16.8%
4 Person Renter Households	701	11.7%
5 Person Renter Households	325	5.4%
6 Person Renter Households	151	2.5%
7 or More Person Renter Households	58	1.0%
Total Renter Households	5,972	100.0%
Total 1 to 2 Person Renter HH	3.731	62.5%
		53.1%
Total 2 to 4 Person Renter HH	3,172	
Total 4 to 6 Person Renter HH	1,177	19.7%
Total 1 to 6 Person Renter HH	5,914	99.0%

Source: Site To Do Business (STDB)

Summary

The renter households in the PMA that have qualifying income are estimated to decrease by 1 household per year through 2028. Approximately 99.0% of renter households in the PMA are 1-6 person households.



Projected Market Demand

The purpose of this section is to estimate the demand for the subject property's undesignated units. The primary information source for this analysis is demographic and trend analyses taken from Site to Do Business.

Demand for the subject improvements is estimated by identifying the specific characteristics attributable to likely tenants of the project and then estimating the number of persons exhibiting these characteristics within the market area. As mentioned previously, the lower of the 50% or 60% AMI LIHTC, Low and High HOME, and RHTF income restrictions are applicable.

Income Qualified Renter Households

In the Demographic Profile section of this report, a growth estimate of income qualified renter households was calculated. The respective one-year growth estimates for each unit size under each scenario in the PMA are used in the capture rate calculations.

Household Size

The subject will include one, two, and three-bedroom units. The percentages shown in the Demographic section of this report for each household size will be utilized in the capture rate calculations. For the family units, households with 1-6 members are utilized.

Directly Competing Units Proposed or Under Construction

As discussed previously, there is no supply of competing units which should be included in the capture rate calculations.

Capture Rate Calculations

The capture rate calculations, which are based on the percentages derived in the previous discussions, are summarized in the following tables.



STANDARD CAPTURE RATE

Unit Type	1 BR Low HOME	1 BR High HOME	1 BR 60% LIHTC	2 BR Low HOME	2 BR High HOME	2 BR 60% LIHTC	3 BR Low HOME	3 BR High HOME	3 BR 60% LIHTC	Total
Unit Size	614 sf	614 sf	614 sf	861 sf	861 sf	861 sf	1,168 sf	1,168 sf	1,168 sf	26,804 sf
Rent Level	Low HOME	High HOME	60% AMI	Low HOME	High HOME	60% AMI	Low HOME	High HOME	60% AMI	
Income Level	Low HOME	High HOME	60% AMI	Low HOME	High HOME	60% AMI	Low HOME	High HOME	60% AMI	
Number of Household Members Assumed	1-2	1-2	1-2	2-4	2-4	2-4	4-6	4-6	4-6	1-6
Minimum Income	\$21,223	\$21,223	\$25,851	\$25,851	\$28,080	\$30,137	\$29,863	\$34,663	\$34,663	\$21,223
Maximum Income	\$26,900	\$32,280	\$32,280	\$33,600	\$40,320	\$40,320	\$39,000	\$46,800	\$46,800	\$46,800
Proposed Units	1	3	3	2	9	6	1	1	1	32
Proj Annual Hsld Growth - Income Qualified Renter Hslds	0	0	0	0	-1	-1	0	-1	-1	-1
Estimated Percentage of Renter Hshlds based on Size	62.5%	62.5%	62.5%	53.1%	53.1%	53.1%	19.7%	19.7%	19.7%	99.0%
Potential Demand From Household Growth:	0	0	0	0	0	0	0	0	0	-1
Total Income Qualified Renter Hslds @ Completion	198	382	220	265	619	549	463	861	861	1,324
Estimated Percentage of Renter Hshlds based on Size	62.5%	62.5%	62.5%	53.1%	53.1%	53.1%	19.7%	19.7%	19.7%	99.0%
Potential Demand From Qualifed Hslds @ Completion:	124	239	137	141	329	292	91	170	170	1,311
Total Housing Demand @ Stabilization	124	238	137	140	329	291	91	169	169	1,310
Directly Competing Units Under Construction and Proposed	0	0	0	0	0	0	0	0	0	0
Demand Remaining After Competing Proposed Units	124	238	137	140	329	291	91	169	169	1,310
Proposed Subject Units	1	3	4	2	9	9	1	1	2	32
Capture Rate	0.8%	1.3%	2.9%	1.4%	2.7%	3.1%	1.1%	0.6%	1.2%	2.4%



Discussion of Capture Rate

In general terms, and given the methodology utilized, most proposed housing projects requiring a capture-rate of 10% or less are considered likely to succeed so long as no unusual externalities are present. In a rapidly growing market, or a small market with limited competition, higher (in some cases significantly higher) capture rates are achievable.

As shown, the capture rate for the subject's units is 2.4% indicating very good demand for the subject's units.

Penetration Rate Undesignated Units with Rental Assistance

The 8.2% penetration rate indicates good demand for the subject's unit.

PENETRATION RATE

	W/O RA
All Competing Units in Market Area + Subject	108
Income and Tenure Qualified Hshlds	1,324
Penetration Rate	8.2%

Capture Rate Using KHC Required Methodology

The KHC Market Study Regulations require a capture rate calculation that limits the demand pool to the household growth of income qualified tenants, and a "reasonable percentage" of households in rent overburden and living in substandard housing, within the age and income groups targeted by the subject. It is our understanding that the purpose of this methodology is to identify projects that have sufficient demand to absorb the proposed units, without adversely impacting existing subsidized properties. The required methodology and related assumptions serve this purpose, but they may, or may not, be realistic relative to market performance. Therefore, a KHC capture rate calculation has been performed using the KHC methodology that is separate and apart from the previous capture rate calculations.

The KHC regulations also allow for a certain level of demand to be included from existing income qualified households that are not rent overburdened or living in substandard housing. However, this demand is limited by KHC to 10% of the total. This turnover rate is considerably lower than surveys conducted by Valbridge Property Advisors | Kentucky, which indicate turnover rates of 20-50%. Nevertheless, using the KHC model, the demand from 10% of existing age and income-qualified households is added to the demand from rent overburden and substandard housing, to determine the total KHC Net Housing demand for the subject's units.

Rent Overburden

Rent overburden is defined by KHC as renter households that are paying more than 35% of household income for housing costs. The following table provides the percentage of total renter households in the PMA based on 2010 Census. These percentages are applied to the total income and size qualified renters previously calculated to derive demand from rent overburdened households.



It is noted that this analysis likely understates (perhaps grossly) demand from this segment. This analysis assumes that all income levels of renter households experience the same percentage of rent overburden, when it is far more likely that a much higher percentage lies in the low-income brackets. However, the census data is not sufficiently detailed to derive a more accurate estimate of demand and this conservative approach is considered preferable to including all rent overburdened households, which would likely overstate demand.

	PMA
Renter Households in Rent Overburden	1,522
As Percentage of Total Renter Households	25.5%

Source: Site To Do Business (STDB)

Substandard Housing

Rental homes lacking plumbing, kitchen facilities, or heating fuel, or built prior to 1939 are classified as "substandard housing". The following table quantifies each of these conditions for the primary and target market areas.

		% Total
	PMA	Rental Units
With no house heating fuel	85	1.42%
Built prior to 1939	754	12.63%

Source: Site To Do Business (STDB)

Unfortunately, the census data does not report these categories as mutually exclusive conditions, nor does it report them by age or household income. Therefore, for purposes of this analysis, we have utilized the units built prior to 1939 only as the indicator of substandard housing, and calculated its percentage as a percentage of renter households. This percentage is then applied to the total income and size qualified renter households to derive demand from substandard housing.

While demand from rent overburdened households and substandard housing is indicated by this exercise, not all of these households would necessarily move from their current housing. An estimated 30% turnover is therefore applied to this total for net demand from rent overburdened households and substandard housing.

Finally, the maximum turnover rate of 10% is applied to the total existing income and size qualified renter households to derive demand from existing households.

The KHC Total Housing Demand is calculated by adding the net demand from household growth, to the KHC net demand from rent overburden and substandard housing, and net demand from existing households. The remainder of the KHC capture rate calculation is the same as the previous capture rate methodology.



Discussion of KHC Capture Rate

Generally, in an economically stable market, a capture rate of up to 20% is considered typical and highly feasible, and 20% to 30% is achievable, but above that level is generally considered marginal. In a rapidly growing market, or a small market with limited competition, higher (in some cases significantly higher) capture rates are achievable.

As shown, the total capture rate in the PMA is 8.4% indicating very good demand for the subject's units. The one and two-bedroom 60% units, which in the capture rate table include the RHTF units since they use the same minimum and maximum incomes, are the highest capture rate, and they are still only 10.1% and 10.7%, respectively, again indicating very good demand.

Based on the above calculations, there is very good overall demand in the PMA for the subject's units.



KHC CAPTURE RATE

Unit Type	1 BR Low HOME	1 BR High HOME	1 BR 60% LIHTC	2 BR Low HOME	2 BR High HOME	2 BR 60% LIHTC	3 BR Low HOME	3 BR High HOME	3 BR 60% LIHTC	Total
Unit Size	614 sf	614 sf	614 sf	861 sf	861 sf	861 sf	1,168 sf	1,168 sf	1,168 sf	26.804 sf
AMI Rent Level	Low HOME	High HOME	60% AMI	Low HOME	High HOME	60% AMI	Low HOME	High HOME	60% AMI	20,00431
AMI Income Level	Low HOME	High HOME	60% AMI	Low HOME	High HOME	60% AMI	Low HOME	High HOME	60% AMI	
Number of Household Members	1-2	1-2	1-2	2-4	2-4	2-4	4-6	4-6	4-6	1-6
Minimum Income	\$21,223	\$21,223	\$25,851	\$25,851	\$28,080	\$30,137	\$29,863	\$34,663	\$34,663	\$21,223
Maximum Income	\$26,900	\$32,280	\$32,280	\$33,600	\$40,320	\$40,320	\$39,000	\$46,800	\$46,800	\$46,800
Proposed Units	1	3	3	2	9	6	1	1	1	32
Proj Yrly Hsld Growth - Inc Qual Renters	0	0	0	0	-1	-1	0	-1	-1	-1
Estimated Percentage of Hshlds based on Size	62.5%	62.5%	62.5%	53.1%	53.1%	53.1%	19.7%	19.7%	19.7%	99.0%
Net Demand from Household Growth	0	0	0	0	0	0	0	0	0	-1
Total Income Qualified Renter Hslds @ Completion	198	382	220	265	619	549	463	861	861	1,324
Estimated Percentage of Qualified Hshlds based on Size	62.5%	62.5%	62.5%	53.1%	53.1%	53.1%	19.7%	19.7%	19.7%	99.0%
Rent Overburdened as % of Total Renter Hshlds	25.5%	25.5%	25.5%	25.5%	25.5%	25.5%	25.5%	25.5%	25.5%	25.5%
Demand from Income, Hshld Size, Rent Overburdened	32	61	35	36	84	74	23	43	43	334
Total Income Qualified Renter Hslds @ Completion	198	382	220	265	619	549	463	861	861	1,324
Estimated Percentage of Qualified Hshlds based on Size	62.5%	62.5%	62.5%	53.1%	53.1%	53.1%	19.7%	19.7%	19.7%	99.0%
Substandard Housing as % of Total Renter Hshlds	12.63%	12.63%	12.63%	12.63%	12.63%	12.63%	12.63%	12.63%	12.63%	12.63%
Demand from Income, Hshld Size, Substandard Housing	16	30	17	18	42	37	12	21	21	166
Total Demand from Rent Over +Substdrd	47	01	50	54	125	111	35	65	65	500
Assumed Turnover Rate	50.0%	91 50.0%	52 50.0%	50.0%	50.0%	50.0%	50.0%	65 50.0%	65 50.0%	50.0%
KHC Net Demand Rent Overburden & Substd	24	30.0% 45	26	27	63	56	17	30.0%	30.0%	250
KHC Net Demand Kent Overburden & Substa	24	43	20	21	05	30	17	32	32	230
Total Income Qualified Renter Hslds @ Completion	198	382	220	265	619	549	463	861	861	1.324
Estimated Percentage of Qualified Hshlds based on Size	62.5%	62.5%	62.5%	53.1%	53.1%	53.1%	19.7%	19.7%	19.7%	99.0%
KHC Maximum Turnover Allowance	10.0%	10.0%	10.0%	10.0%	10.0%	10.0%	10.0%	10.0%	10.0%	10.0%
KHC Net Demand from Existing Hslds	12	24	14	14	33	29	9	17	17	131
,										
KHC Total Housing Demand at Stabilization	36	69	40	41	95	84	26	49	49	380
Competing Units under Construction and Proposed	0	0	0	0	0	0	0	0	0	0
Demand After Competing Proposed Units	36	69	40	41	95	84	26	49	49	380
Proposed Subject Units	1	3	4	2	9	9	1	1	2	32
Capture Rate	2.8%	4.3%	10.1%	4.9%	9.5%	10.7%	3.8%	2.0%	4.1%	8.4%



Estimated Absorption Period

Though no specific absorption rate was obtained, the property manager for Winman Gardens, a family oriented LIHTC property very similar to the subject, leased up quickly upon completion of construction. Winman Gardens had 44 households on the waiting list as of December 2023.

According to Ms. Ashyia McFarland, the Section 8 Coordinator who oversees Housing Choice Vouchers in Hopkins County, there is a housing crisis in Madisonville due to a shortage of HCVs being utilized by displaced tenants in Dawson Springs who are taking precedent for usage. She stated a lot of Dawson Springs renters moved to Madisonville and quite a few were voucher holders. Ms. McFarland was not able to provide a breakdown of vouchers in circulation or the length of the waiting list. Though the subject property will not offer rental assistance, the subject's rents are very affordable and have a significant market rent advantage. No doubt some of the families Ms. McFarland is referring to could very well be future tenants for the subject property.

Given that the Winman Gardens waiting list by itself exceeds the subject's number of units, we project the subject's units will be absorbed within three months of completion of construction, or 10.35 units per month. We would estimate that the units will be absorbed immediately upon absorption, however, some of the subject's qualifying income bands are narrow and it might take a period of time to find prospective tenants that income qualify. The three-month period after completion should be sufficient to reach stabilized occupancy.

This is well supported by absorption rates of other reasonably similar LIHTC properties in the region, as shown in the table below.

ABSORPTION RATES

Comp	Property	Location	Region	# of Units	Began Leasing	Reached Stabilization	Approx. Monthly Absorption Rate
	LIHTC Properties	Location	region	Omis		Stabinzation	nate
1	Little River Landing	Hopkinsville, KY	Western KY	88	Apr-23	Dec-23	11.0
2	Linda's Place	Shepherdsville, KY	Central KY	87	Apr-22	Oct-22	14.5
3	Breas Crossing II	Shelbyville, KY	Central KY	37	2021-2022	Leased as Finished	N/A
4	Emma Rose	Cadiz, KY	Western KY	41	Jun-21	Nov-21	8
5	Kirkman Terrace	Hopkinsville, KY	Western KY	45	Dec-20	Jul-21	6.0
6	Payton Landing	Bowling Green, KY	Southwestern KY	76	Nov-19	Apr-20	12.0
						Monthly Avg.	10.3



Strengths & Weaknesses/ Conclusions and Recommendations

The subject will be a 32-unit new construction project with a site that has close proximity to many neighborhood amenities. The subject offers a good selection of one, two, and three bedroom floor plans. Based on the 8.4% KHC capture rate and high occupancy levels of competing properties, there is very good demand for the subject's units. There appears to be pent up demand for affordable units based on the waiting list at the two competing LIHTC properties located in Hopkins County. This is not surprising given the extensive damage done to the housing stock in the market area by the 2021 tornado.

Due to the slightly declining population in the market area, the demand is not from net growth, but from substandard housing, rent overburdened, and existing households. However, due to the very high demand for affordable housing and current waiting lists, no adverse impact on overall occupancy levels of competitive LIHTC properties is anticipated. In summary, there is excellent demand for the subject development as proposed. No modifications to the project are recommended at this time.



General Assumptions and Limiting Conditions

This appraisal is subject to the following limiting conditions:

- 1. The legal description if furnished to us is assumed to be correct.
- 2. No responsibility is assumed for legal matters, questions of survey or title, soil or subsoil conditions, engineering, availability or capacity of utilities, or other similar technical matters. The appraisal does not constitute a survey of the property appraised. All existing liens and encumbrances have been disregarded and the property is appraised as though free and clear, under responsible ownership and competent management unless otherwise noted.
- 3. Unless otherwise noted, the appraisal will value the property as though free of contamination. Valbridge Property Advisors | Kentucky will conduct no hazardous materials or contamination inspection of any kind. It is recommended that the client hire an expert if the presence of hazardous materials or contamination poses any concern.
- 4. The stamps and/or consideration placed on deeds used to indicate sales are in correct relationship to the actual dollar amount of the transaction.
- 5. Unless otherwise noted, it is assumed there are no encroachments, zoning violations or restrictions existing in the subject property.
- 6. The appraiser is not required to give testimony or attendance in court by reason of this appraisal, unless previous arrangements have been made.
- 7. Unless expressly specified in the engagement letter, the fee for this appraisal does not include the attendance or giving of testimony by Appraiser at any court, regulatory, or other proceedings, or any conferences or other work in preparation for such proceeding. If any partner or employee of Valbridge Property Advisors | Kentucky is asked or required to appear and/or testify at any deposition, trial, or other proceeding about the preparation, conclusions or any other aspect of this assignment, client shall compensate Appraiser for the time spent by the partner or employee in appearing and/or testifying and in preparing to testify according to the Appraiser's then current hourly rate plus reimbursement of expenses.
- 8. The values for land and/or improvements, as contained in this report, are constituent parts of the total value reported and neither is (or are) to be used in making a summation appraisal of a combination of values created by another appraiser. Either is invalidated if so used.



- 9. The dates of value to which the opinions expressed in this report apply are set forth in this report. We assume no responsibility for economic or physical factors occurring at some point at a later date, which may affect the opinions stated herein. The forecasts, projections, or operating estimates contained herein are based on current market conditions and anticipated short-term supply and demand factors and are subject to change with future conditions.
- 10. The sketches, maps, plats and exhibits in this report are included to assist the reader in visualizing the property. The appraiser has made no survey of the property and assumed no responsibility in connection with such matters.
- 11. The information, estimates and opinions, which were obtained from sources outside of this office, are considered reliable. However, no liability for them can be assumed by the appraiser.
- 12. Possession of this report, or a copy thereof, does not carry with it the right of publication. Neither all, nor any part of the content of the report, or copy thereof (including conclusions as to property value, the identity of the appraisers, professional designations, reference to any professional appraisal organization or the firm with which the appraisers are connected), shall be disseminated to the public through advertising, public relations, news, sales, or other media without prior written consent and approval.
- 13. No claim is intended to be expressed for matters of expertise that would require specialized investigation or knowledge beyond that ordinarily employed by real estate appraisers. We claim no expertise in areas such as, but not limited to, legal, survey, structural, environmental, pest control, mechanical, etc.
- 14. This appraisal was prepared for the sole and exclusive use of the client for the function outlined herein. Any party who is not the client or intended user identified in the appraisal or engagement letter is not entitled to rely upon the contents of the appraisal without express written consent of Valbridge Property Advisors | Kentucky and Client. The Client shall not include partners, affiliates, or relatives of the party addressed herein. The appraiser assumes no obligation, liability or accountability to any third party.
- 15. Distribution of this report is at the sole discretion of the client, but third-parties not listed as an intended user on the face of the appraisal or the engagement letter may not rely upon the contents of the appraisal. In no event shall client give a third-party a partial copy of the appraisal report. We will make no distribution of the report without the specific direction of the client.
- 16. This appraisal shall be used only for the function outlined herein, unless expressly authorized by Valbridge Property Advisors | Kentucky.



- 17. This appraisal shall be considered in its entirety. No part thereof shall be used separately or out of context.
- 18. Unless otherwise noted in the body of this report, this appraisal assumes that the subject property does not fall within the areas where mandatory flood insurance is effective. Unless otherwise noted, we have not completed nor have we contracted to have completed an investigation to identify and/or quantify the presence of non-tidal wetland conditions on the subject property. Because the appraiser is not a surveyor, he or she makes no guarantees, express or implied, regarding this determination.
- 19. The flood maps are not site specific. We are not qualified to confirm the location of the subject property in relation to flood hazard areas based on the FEMA Flood Insurance Rate Maps or other surveying techniques. It is recommended that the client obtain a confirmation of the subject property's flood zone classification from a licensed surveyor.
- 20. If the appraisal is for mortgage loan purposes 1) we assume satisfactory completion of improvements if construction is not complete, 2) no consideration has been given for rent loss during rent-up unless noted in the body of this report, and 3) occupancy at levels consistent with our "Income and Expense Projection" are anticipated.
- 21. It is assumed that there are no hidden or unapparent conditions of the property, subsoil, or structures which would render it more or less valuable. No responsibility is assumed for such conditions or for engineering which may be required to discover them.
- Our inspection included an observation of the land and improvements thereon only. It was not possible to observe conditions beneath the soil or hidden structural components within the improvements. We inspected the buildings involved, and reported damage (if any) by termites, dry rot, wet rot, or other infestations as a matter of information, and no guarantee of the amount or degree of damage (if any) is implied. Condition of heating, cooling, ventilation, electrical and plumbing equipment is considered to be commensurate with the condition of the balance of the improvements unless otherwise stated. Should the client have concerns in these areas, it is the client's responsibility to order the appropriate inspections. The appraiser does not have the skill or expertise to make such inspections and assumes no responsibility for these items.
- 23. This appraisal does not guarantee compliance with building code and life safety code requirements of the local jurisdiction. It is assumed that all required licenses, consents, certificates of occupancy or other legislative or administrative authority from any local, state or national governmental or private entity or organization have been or can be obtained or renewed for any use on which the value conclusion contained in this report is based unless specifically stated to the contrary.



- 24. When possible, we have relied upon building measurements provided by the client, owner, or associated agents of these parties. In the absence of a detailed rent roll, reliable public records, or "as-built" plans provided to us, we have relied upon our own measurements of the subject improvements. We follow typical appraisal industry methods; however, we recognize that some factors may limit our ability to obtain accurate measurements including, but not limited to, property access on the day of inspection, basements, fenced/gated areas, grade elevations, greenery/shrubbery, uneven surfaces, multiple story structures, obtuse or acute wall angles, immobile obstructions, etc. Professional building area measurements of the quality, level of detail, or accuracy of professional measurement services are beyond the scope of this appraisal assignment.
- 25. We have attempted to reconcile sources of data discovered or provided during the appraisal process, including assessment department data. Ultimately, the measurements that are deemed by us to be the most accurate and/or reliable are used within this report. While the measurements and any accompanying sketches are considered to be reasonably accurate and reliable, we cannot guarantee their accuracy. Should the client desire a greater level of measuring detail, they are urged to retain the measurement services of a qualified professional (space planner, architect or building engineer). We reserve the right to use an alternative source of building size and amend the analysis, narrative and concluded values (at additional cost) should this alternative measurement source reflect or reveal substantial differences with the measurements used within the report.
- 26. In the absence of being provided with a detailed land survey, we have used assessment department data to ascertain the physical dimensions and acreage of the property. Should a survey prove this information to be inaccurate, we reserve the right to amend this appraisal (at additional cost) if substantial differences are discovered.
- 27. If only preliminary plans and specifications were available for use in the preparation of this appraisal, then this appraisal is subject to a review of the final plans and specifications when available (at additional cost) and we reserve the right to amend this appraisal if substantial differences are discovered.
- 28. Unless otherwise stated in this report, the value conclusion is predicated on the assumption that the property is free of contamination, environmental impairment or hazardous materials. Unless otherwise stated, the existence of hazardous material was not observed by the appraiser and the appraiser has no knowledge of the existence of such materials on or in the property. The appraiser, however, is not qualified to detect such substances. The presence of substances such as asbestos, urea-formaldehyde foam insulation, or other potentially hazardous materials may affect the value of the property. No responsibility is assumed for any such conditions, or for any expertise or engineering knowledge required for discovery. The client is urged to retain an expert in this field, if desired.



- 29. The Americans with Disabilities Act ("ADA") became effective January 26, 1992. We have not made a specific compliance survey of the property to determine if it is in conformity with the various requirements of the ADA. It is possible that a compliance survey of the property, together with an analysis of the requirements of the ADA, could reveal that the property is not in compliance with one or more of the requirements of the Act. If so, this could have a negative effect on the value of the property. Since we have no direct evidence relating to this issue, we did not consider possible noncompliance with the requirements of ADA in developing an opinion of value.
- 30. This appraisal applies to the land and building improvements only. The value of trade fixtures, furnishings, and other equipment, or subsurface rights (minerals, gas, and oil) were not considered in this appraisal unless specifically stated to the contrary.
- 31. No changes in any federal, state or local laws, regulations or codes (including, without limitation, the Internal Revenue Code) are anticipated, unless specifically stated to the contrary.
- 32. Any income and expense estimates contained in the appraisal report are used only for the purpose of estimating value and do not constitute prediction of future operating results. Furthermore, it is inevitable that some assumptions will not materialize and that unanticipated events may occur that will likely affect actual performance.
- 33. Any estimate of insurable value, if included within the scope of work and presented herein, is based upon figures developed consistent with industry practices. However, actual local and regional construction costs may vary significantly from our estimate and individual insurance policies and underwriters have varied specifications, exclusions, and non-insurable items. As such, we strongly recommend that the Client obtain estimates from professionals experienced in establishing insurance coverage. This analysis should not be relied upon to determine insurance coverage and we make no warranties regarding the accuracy of this estimate.
- 34. The data gathered in the course of this assignment (except data furnished by the Client) shall remain the property of the Appraiser. The appraiser will not violate the confidential nature of the appraiser-client relationship by improperly disclosing any confidential information furnished to the appraiser. Notwithstanding the foregoing, the Appraiser is authorized by the client to disclose all or any portion of the appraisal and related appraisal data to appropriate representatives of the Appraisal Institute if such disclosure is required to enable the appraiser to comply with the Bylaws and Regulations of such Institute now or hereafter in effect.



- 35. You and Valbridge Property Advisors | Kentucky both agree that any dispute over matters in excess of \$5,000 will be submitted for resolution by arbitration. This includes fee disputes and any claim of malpractice. The arbitrator shall be mutually selected. If Valbridge Property Advisors | Kentucky and the client cannot agree on the arbitrator, the presiding head of the Local County Mediation & Arbitration panel shall select the arbitrator. Such arbitration shall be binding and final. In agreeing to arbitration, we both acknowledge that, by agreeing to binding arbitration, each of us is giving up the right to have the dispute decided in a court of law before a judge or jury. In the event that the client, or any other party, makes a claim against Valbridge Property Advisors | Kentucky or any of its employees in connections with or in any way relating to this assignment, the maximum damages recoverable by such claimant shall be the amount actually received by Valbridge Property Advisors | Kentucky for this assignment, and under no circumstances shall any claim for consequential damages be made.
- 36. Valbridge Property Advisors | Kentucky shall have no obligation, liability, or accountability to any third party. Any party who is not the "client" or intended user identified on the face of the appraisal or in the engagement letter is not entitled to rely upon the contents of the appraisal without the express written consent of Valbridge Property Advisors | Kentucky. "Client" shall not include partners, affiliates, or relatives of the party named in the engagement letter. Client shall hold Valbridge Property Advisors | Kentucky and its employees harmless in the event of any lawsuit brought by any third party, lender, partner, or part-owner in any form of ownership or any other party as a result of this assignment. The client also agrees that in case of lawsuit arising from or in any way involving these appraisal services, client will hold Valbridge Property Advisors | Kentucky harmless from and against any liability, loss, cost, or expense incurred or suffered by Valbridge Property Advisors | Kentucky in such action, regardless of its outcome.
- 37. The Valbridge Property Advisors office responsible for the preparation of this report is independently owned and operated by Valbridge Property Advisors | Kentucky. Neither Valbridge Property Advisors, Inc., nor any of its affiliates has been engaged to provide this report. Valbridge Property Advisors, Inc. does not provide valuation services, and has taken no part in the preparation of this report.
- 38. If any claim is filed against any of Valbridge Property Advisors, Inc., a Florida Corporation, its affiliates, officers or employees, or the firm providing this report, in connection with, or in any way arising out of, or relating to, this report, or the engagement of the firm providing this report, then (1) under no circumstances shall such claimant be entitled to consequential, special or other damages, except only for direct compensatory damages, and (2) the maximum amount of such compensatory damages recoverable by such claimant shall be the amount actually received by the firm engaged to provide this report.



- 39. This report and any associated work files may be subject to evaluation by Valbridge Property Advisors, Inc., or its affiliates, for quality control purposes.
- 40. Acceptance and/or use of this appraisal report constitutes acceptance of the foregoing general assumptions and limiting conditions.



Certification

I certify that, to the best of my knowledge and belief:

- 1. The statements of fact contained in this report are true and correct.
- The reported analyses, opinions, and conclusions are limited only by the reported assumptions and limiting conditions and are my personal, impartial, and unbiased professional analyses, opinions, and conclusions.
- 3. I have no present or prospective interest in the property that is the subject of this report and no personal interest with respect to the parties involved.
- 4. I have performed no services regarding the property that is the subject of this report within the three-year period immediately preceding acceptance of this assignment.
- 5. I have no bias with respect to the property that is the subject of this report or to the parties involved with this assignment.
- 6. My engagement in this assignment was not contingent upon developing or reporting predetermined results.
- 7. My compensation for completing this assignment is not contingent upon the development or reporting of a predetermined value or direction in value that favors the cause of the client, the amount of value opinion, the attainment of a stipulated result, or the occurrence of a subsequent event directly related to the intended use of this appraisal.
- 8. My analyses, opinions and conclusions were developed, and this report has been prepared, in conformity with the Uniform Standards of Professional Appraisal Practice.
- 9. John Cloern has personally inspected the subject property.
- 10. No one provided significant real property appraisal assistance to the person signing this certification, unless otherwise noted.
- 11. The reported analyses, opinions and conclusions were developed, and this report has been prepared, in conformity with the requirements of the Code of Professional Ethics and Standards of Professional Appraisal Practice of the Appraisal Institute.
- 12. The use of this report is subject to the requirements of the Appraisal Institute relating to review by its duly authorized representatives.

John Cloern

Certified General Real Property Appraiser

Kentucky License #4263 Expiration Date: 07-01-2024



Certification

I certify that, to the best of my knowledge and belief:

- 1. The statements of fact contained in this report are true and correct.
- The reported analyses, opinions, and conclusions are limited only by the reported assumptions and limiting conditions and are my personal, impartial, and unbiased professional analyses, opinions, and conclusions.
- 3. I have no present or prospective interest in the property that is the subject of this report and no personal interest with respect to the parties involved.
- 4. I have performed no services regarding the property that is the subject of this report within the three-year period immediately preceding acceptance of this assignment.
- 5. I have no bias with respect to the property that is the subject of this report or to the parties involved with this assignment.
- 6. My engagement in this assignment was not contingent upon developing or reporting predetermined results.
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- 8. My analyses, opinions and conclusions were developed, and this report has been prepared, in conformity with the Uniform Standards of Professional Appraisal Practice.
- 9. I have not personally inspected the subject property.
- 10. No one provided significant real property appraisal assistance to the person signing this certification, unless otherwise noted.
- 11. The reported analyses, opinions and conclusions were developed, and this report has been prepared, in conformity with the requirements of the Code of Professional Ethics and Standards of Professional Appraisal Practice of the Appraisal Institute.
- 12. The use of this report is subject to the requirements of the Appraisal Institute relating to review by its duly authorized representatives.
- 13. As of the date of this report, the undersigned has completed the continuing education program for Designated Members of the Appraisal Institute.

Jonathan S. Beery, MAI

Certified General Real Property Appraiser

Kentucky License #4057 Expiration Date: 07-01-2024



NCHMA Certification

This market study has been prepared by Valbridge Property Advisors / Kentucky a member in good standing of the National Council of Housing Market Analysts (NCHMA). This study has been prepared in conformance with the standards adopted by NCHMA for the market analysts' industry. These standards include the *Standard Definitions of Key Terms Used in Market Studies for Affordable Housing Projects*, and *Model Content Standards for the Content of Market Studies for Affordable Housing Projects*. These Standards are designed to enhance the quality of market studies and to make them easier to understand and use. These Standards are voluntary only, and the National Council of Housing Market Analysts assumes no legal responsibility regarding their use.

Valbridge Property Advisors / Kentucky is duly qualified and experienced in providing market analysis for Affordable Housing. The company's principals participate in NCHMA educational and information sharing programs to maintain the highest professional standards and state-of-the-art knowledge. Valbridge Property Advisors / Kentucky is an independent market analyst. No principal or employee of Valbridge Property Advisors / Kentucky has any financial interest whatsoever in the development for which this analysis has been undertaken.

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Kentucky License #4057

Expiration Date: 07-01-2024



Housing Market Analysts



Addenda

Exhibits
Glossary
Qualifications
John Cloern
John Beery
Information on Valbridge Property Advisors
Office Locations



Income Limits and Utility Allowance

2/6/24, 11:16 AM

Novogradac & Company LLP Rent & Income Limit Calculator



If you would like to engage Novogradac & Company LLP to calculate the rent & income limits for your property, please contact Thomas Stagg at thomas.stagg@novoco.com.

Click on the [™] icons below to view historical charts.

Program and Location Information

adjustments)

Affordable IRS Section 142 Tax-Exempt Housing Program Year (1)(2) 2023 (effective 05/15/23)

State Hopkins County County Hopkins County, KY Rent Calculation MTSP Based on (3)

Persons / Bedroom ⁽⁴⁾ 1.5 Person / Bedroom 4-person AMI A* \$67,200 National Non-

Metropolitan Median Income **HUD Published** 50% National Non-Metropolitan Median Income

Hold Harmless (6) You have indicated that your project was placed in service on or after 05/15/2023 and is therefore eligible to have its income and rent limit held

\$76,800

Placed in Service Date (7) harmless beginning with the 2023 limits. On or after 05/15/2023.

HUD Published Income Limits for 2023 (with no

Display Income Limits

O Hide Income Limits

			Sec	ction 8		
	Charts	MTSP 50%	Extremely Low	Very Low	Low	
1 Person	W	\$23,550	\$14,580	\$23,550	\$37,650	
2 Person	N	\$26,900	\$19,720	\$26,900	\$43,000	
3 Person	N	\$30,250	\$24,860	\$30,250	\$48,400	
4 Person	₩.	\$33,600	\$30,000	\$33,600	\$53,750	
5 Person	₩.	\$36,300	\$35,140	\$36,300	\$58,050	
6 Person	₩.	\$39,000	\$39,000	\$39,000	\$62,350	
7 Person	N	\$41,700	\$41,700	\$41,700	\$66,650	
8 Person	₩.	\$44,400	\$44,400	\$44,400	\$70,950	
9 Person	~	\$47,050	N/A (8)	\$47,050	\$75,250	
10 Person	27	\$49,750	N/A (8)	\$49,750	\$79,550	
11 Person	N	\$52,400	N/A (8)	\$52,400	\$83,850	
12 Person	N	\$55,100	N/A (8)	\$55,100	\$88,150	

https://ric.novoco.com/tenant/rentincome/calculator/z4.jsp



/6/24, 11:16 AM					Novograda	α Compai	ny LLP Rent & In	come Limit Ca
Income Limits for 2023 (Based on 2023 MTSP		imits)						
	Cha	rts	60.00%		50.00%	60.	00%	140.00%
1 Perso	on A		28,260		23,550	28	3,260	39,564
2 Perso	on 🎤		32,280		26,900	32	2,280	45,192
3 Perso	on A*		36,300		30,250	36	6,300	50,820
4 Perso	on N		40,320		33,600	40	0,320	56,448
5 Perso	on 🎶		43,560		36,300	43	3,560	60,984
6 Perso	on A*		46,800		39,000	46	3,800	65,520
7 Perso	on A*		50,040		41,700	50	0,040	70,056
8 Perso	on A*		53,280		44,400	53	3,280	74,592
9 Perso	on A*		56,460		47,050	56	3,460	79,044
10 Perso	on A*		59,700		49,750	59	,700	83,580
11 Perso	on A*		62,880		52,400	62	2,880	88,032
12 Perso	on A*		66,120		55,100	66	3,120	92,568
Rent Limits for 2023 (Based on 2023 MTSP I	ncome Li	mits)						
Bedrooms (People)	Charts	60.00%	50.00%	60.00%	120.00%	FMR	HOME Low Rent	HOME High Rent
Efficiency (1.0)	N	706	588	706	1,413	551	551	551
1 Bedroom (1.5)	W	756	630	756	1,513	622	622	622
2 Bedrooms (3.0)	W	907	756	907	1,815	819	756	819
3 Bedrooms (4.5)	N	1,048	873	1,048	2,097	1,072	873	1,072
4 Bedrooms (6.0)	N	1,170	975	1,170	2,340	1,183	975	1,183
5 Bedrooms (7.5)	N	1,291	1.076	1,291	2,583	VI X DOC TO	1,076	1,317



U.S. DEPARTMENT OF HUD								
STATE: KENTUCKY			202	3 HOME PR	OGRAM REN	TS		
	PROGRAM	EFFICIENCY	1 BR	2 BR	3 BR	4 BR	5 BR	6 BI
Green County, KY								
	LOW HOME RENT LIMIT	538	602	722	835	931	1028	112
	HIGH HOME RENT LIMIT	538	653	742	977	999	1149	129
	For Information Only:							
	FAIR MARKET RENT	538	653	742	977	999	1149	129
	50% RENT LIMIT	562	602	722	835	931	1028	112
	65% RENT LIMIT	711	763	918	1052	1154	1255	135
Harlan County, KY								
	LOW HOME RENT LIMIT	538	593	722	835	931	1028	112
	HIGH HOME RENT LIMIT	538	593	742	993	1150	1255	135
	For Information Only:							
	FAIR MARKET RENT	538	593	742	993	1150	1323	149
	50% RENT LIMIT	562	602	722	835	931	1028	112
	65% RENT LIMIT	711	763	918	1052	1154	1255	135
Harrison County, KY								
	LOW HOME RENT LIMIT	538	564	742	971	997	1147	129
	HIGH HOME RENT LIMIT	538	564	742	978	997	1147	129
	For Information Only:							
	FAIR MARKET RENT	538	564	742	978	997	1147	129
	50% RENT LIMIT	653	700	841	971	1083	1196	130
	65% RENT LIMIT	830	891	1071	1229	1351	1472	159
Hart County, KY								
	LOW HOME RENT LIMIT	557	564	722	835	931	1028	112
	HIGH HOME RENT LIMIT	557	564	742	979	1071	1232	135
	For Information Only:							
	FAIR MARKET RENT	557	564	742	979	1071	1232	139
	50% RENT LIMIT	562	602	722	835	931	1028	112
	65% RENT LIMIT	711	763	918	1052	1154	1255	135
lickman County, KY								
	LOW HOME RENT LIMIT	538	569	742	862	962	1061	116
	HIGH HOME RENT LIMIT	538	569	742	995	999	1149	129
	For Information Only:							
	FAIR MARKET RENT	538	569	742	995	999	1149	129
	50% RENT LIMIT	581	622	746	862	962	1061	116
	65% RENT LIMIT	735	789	948	1087	1193	1297	140
Hopkins County, KY								
	LOW HOME RENT LIMIT	551	622	756	873	975	1076	117
	HIGH HOME RENT LIMIT	551	622	819	1072	1183	1317	142
	For Information Only:							
	FAIR MARKET RENT	551	622	819	1072	1183	1360	153
	50% RENT LIMIT	588	630	756	873	975	1076	117
	65% RENT LIMIT	745	800	962	1102			

For all HOME projects, the maximum allowable rent is the HUD calculated High HOME Rent Limit and/or Low HOME Rent Limit.

Effective: June 15, 2023



U.S. DEPARTMENT OF HUD STATE: KENTUCKY				2023 A	DJUSTED HO	ME INCOME	LIMITS		
	PROGRAM	1 PERSON	2 PERSON	3 PERSON	4 PERSON	5 PERSON	6 PERSON	7 PERSON	8 PERSO
Green County, KY									
	30% LIMITS	13500	15400	17350	19250	20800	22350	23900	2545
	VERY LOW INCOME	22500	25700	28900	32100	34700	37250	39850	4240
	60% LIMITS	27000	30840	34680	38520	41640	44700	47820	5088
	LOW INCOME	35950	41100	46250	51350	55500	59600	63700	6780
Harlan County, KY									
	30% LIMITS	13500	15400	17350	19250	20800	22350	23900	2545
	VERY LOW INCOME	22500	25700	28900	32100	34700	37250	39850	4240
	60% LIMITS	27000	30840	34680	38520	41640	44700	47820	5088
	LOW INCOME	35950	41100	46250	51350	55500	59600	63700	6780
Harrison County, KY									
27.7	30% LIMITS	15700	17950	20200	22400	24200	26000	27800	2960
	VERY LOW INCOME	26150	29900	33650	37350	40350	43350	46350	4935
	60% LIMITS	31380	35880	40380	44820	48420	52020	55620	5922
	LOW INCOME	41850	47800	53800	59750	64550	69350	74100	7890
Hart County, KY									
	30% LIMITS	13500	15400	17350	19250	20800	22350	23900	2545
	VERY LOW INCOME	22500	25700	28900	32100	34700	37250	39850	4240
	60% LIMITS	27000	30840	34680	38520	41640	44700	47820	5088
	LOW INCOME	35950	41100	46250	51350	55500	59600	63700	6780
Hickman County, KY									
1,0000 10.00 POSS (\$\frac{1}{2} \). 186	30% LIMITS	13950	15950	17950	19900	21500	23100	24700	2630
	VERY LOW INCOME	23250	26550	29850	33150	35850	38500	41150	4380
	60% LIMITS	27900	31860	35820	39780	43020	46200	49380	5256
	LOW INCOME	37150	42450	47750	53050	57300	61550	65800	7005
Hopkins County, KY									
	30% LIMITS	14150	16150	18150	20150	21800	23400	25000	2660
	VERY LOW INCOME	23550	26900	30250	33600	36300	39000	41700	44400
	60% LIMITS	28260	32280	36300	40320	43560	46800	50040	5328
	LOW INCOME	37650	43000	48400	53750	58050	62350	66650	70950
Jackson County, KY									
Accessing of the second	30% LIMITS	13500	15400	17350	19250	20800	22350	23900	25450
	VERY LOW INCOME	22500	25700	28900	32100	34700	37250	39850	
	60% LIMITS	27000	30840	34680	38520	41640	44700	47820	42400
	LOW INCOME	35950	41100	46250	51350	55500	59600	63700	50880 67800



WEST REGION MULTIFAMILY UTILITY ALLOWANCE CHART - JANUARY 2024

Multifamily: Use this chart if the unit you selected is an apartment, duplex or townhouse/rowhouse.

The following allowances are used to estimate the total cost of tenant-paid utilities and tenant-supplied appliances.

When completing the chart, use the lower of the bedroom size listed on your voucher or the number of bedrooms in unit you have selected.

a. Natural Gas	0-BR	1-BR	2 00	-		
a Matural Cae		1-DR	2-BR	3-BR	4-BR	5-BR
0.110101013303	25	30	34	39	46	51
b. Bottle Gas	43	61	77	95	121	138
c. Electric	33	43	51	60	73	82
d. Oil	53	75	96	117	149	171
e. Air Conditioning	6	8	10	13	16	19
a. Natural Gas	3	4	5	7	9	10
b. Bottle Gas	11	15	19	24	30	35
c. Electric	6	8	10	12	15	17
	16	22	28	35	44	50
a. Natural Gas	8	11	14	17	22	25
b. Bottle Gas	28	40	51	62	79	91
c.Electric	16	23	30	36	46	53
d. Oil	34	48	61	75	95	109
	36	45	53	61	73	81
	32	39	47	55	66	74
	18	18	18	18	18	18
	5	5	5	5	5	5
Calle of Livery	4	4	4	4	4	4
DATE WATER						
	b. Bottle Gas c. Electric d. Oil e. Air Conditioning a. Natural Gas b. Bottle Gas c. Electric a. Natural Gas b. Bottle Gas c. Electric	b. Bottle Gas 43 c. Electric 33 d. Oil 53 e. Air Conditioning 6 a. Natural Gas 3 b. Bottle Gas 11 c. Electric 6 a. Natural Gas 8 b. Bottle Gas 28 c. Electric 16 d. Oil 34 36 32 18	b. Bottle Gas	b. Bottle Gas	b. Bottle Gas	b. Bottle Gas 43 61 77 95 121 c. Electric 33 43 51 60 73 d. Oil 53 75 96 117 149 e. Air Conditioning 6 8 10 13 16 a. Natural Gas 3 4 5 7 9 b. Bottle Gas 11 15 19 24 30 c. Electric 6 8 10 12 15 16 22 28 35 44 a. Natural Gas 8 11 14 17 22 b. Bottle Gas 28 40 51 62 79 c.Electric 16 23 30 36 46 d. Oil 34 48 61 75 95 a. Natural Gas 28 40 51 62 79 c. Electric 16 23 30 36 46 </td

Actual Family Allowances to be used by the family to compute allowance. Complete below for the actual unit rented.

Name of Family	
Address of Unit	
Number of Bedrooms	

Format HUD-52667 (12/97)

Utility or Service	per month cost
Heating	\$
Air-Conditioning	5
Cooking	\$
Other Electric	\$
Water Heating	\$
Water	\$
Sewer	5
Trash Collection	\$
Range/Microwave	5
Refrigerator	S
Other	S
	\$
Total	S

KHC West Region Counties: Allen, Ballard, Barren, Breckinridge, Butler, Caldwell, Calloway, Carlisle, Christian, Crittenden, Daviess, Edmonson, Fulton, Grayson, Hancock, Hardin, Hart, Hickman, Hopkins, Livingston, Logan, Lyon, Marshall, McLean, Metcalfe, Monroe, Muhlenberg, Ohio, Simpson, Todd, Trigg, Union, Warren, Webster

Counties Not Served by KHC: Graves, Henderson, McCracken



Glossary

Definitions are taken from The Dictionary of Real Estate Appraisal, 6th Edition (Dictionary), the Uniform Standards

Absolute Net Lease

A lease in which the tenant pays all expenses including structural maintenance, building reserves, and management; often a long-term lease to a credit tenant. (Dictionary)

Amortization

The process of retiring a debt or recovering a capital investment, typically through scheduled, systematic repayment of the principal; a program of periodic contributions to a sinking fund or debt retirement fund. (Dictionary)

As Is Market Value

The estimate of the market value of real property in its current physical condition, use, and zoning as of the appraisal date. (Dictionary)

Base Rent

The minimum rent stipulated in a lease. (Dictionary)

Base Year

The year on which escalation clauses in a lease are based. (Dictionary)

Building Common Area

In office buildings, the areas of the building that provide services to building tenants but which are not included in the office area or store area of any specific tenant. These areas may include, but shall not be limited to, main and auxiliary lobbies, atrium spaces at the level of the finished floor, concierge areas or security desks, conference rooms, lounges or vending areas, food service facilities, health or fitness centers, daycare facilities, locker or shower facilities, mail rooms, fire control rooms, fully enclosed courtyards outside the exterior walls, and building core and service areas such as fully enclosed mechanical or equipment rooms. Specifically excluded from building common area are floor common areas, parking space, portions of loading docks outside the building line, and major vertical penetrations. (BOMA)

Building Rentable Area

The sum of all floor rentable areas. Floor rentable area is the result of subtracting from the gross measured area of a floor the major vertical penetrations on that same floor. It is generally fixed for the life of the building and is rarely affected by changes in corridor size or configuration. (BOMA)

of Professional Appraisal Practice (USPAP), and Building Owners and Managers Association International (BOMA).

Bulk Value

The value of multiple units, subdivided plots, or properties in a portfolio as though sold together in a single transaction.

Certificate of Occupancy (COO)

A formal written acknowledgment by an appropriate unit of local government that a new construction or renovation project is at the stage where it meets applicable health and safety codes and is ready for commercial or residential occupancy. (Dictionary)

Common Area Maintenance (CAM)

The expense of operating and maintaining common areas; may or may not include management charges and usually does not include capital expenditures on tenant improvements or other improvements to the property. (Dictionary)

The amount of money charged to tenants for their shares of maintaining a [shopping] center's common area. The charge that a tenant pays for shared services and facilities such as electricity, security, and maintenance of parking lots. Items charged to common area maintenance may include cleaning services, parking lot sweeping and maintenance, snow removal, security and upkeep. (ICSC – International Council of Shopping Centers, 4th Ed.)

Condominium

A multiunit structure, or a unit within such a structure, with a condominium form of ownership. (Dictionary)

Conservation Easement

An interest in real estate restricting future land use to preservation, conservation, wildlife habitat, or some combination of those uses. A conservation easement may permit farming, timber harvesting, or other uses of a rural nature as well as some types of conservation-oriented development to continue, subject to the easement. (Dictionary)

Contributory Value

A type of value that reflects the amount a property or component of a property contributes to the value of another asset or to the property as a whole.

The change in the value of a property as a whole, whether positive or negative, resulting from the addition or deletion of a property component. Also called deprival value in some countries. (Dictionary)



Debt Coverage Ratio (DCR)

The ratio of net operating income to annual debt service (DCR = NOI/Im), which measures the relative ability of a property to meet its debt service out of net operating income; also called *debt service coverage ratio (DSCR)*. A larger *DCR* typically indicates a greater ability for a property to withstand a reduction of income, providing an improved safety margin for a lender. (Dictionary)

Deed Restriction

A provision written into a deed that limits the use of land. Deed restrictions usually remain in effect when title passes to subsequent owners. (Dictionary)

Depreciation

In appraisal, a loss in property value from any cause; the difference between the cost of an improvement on the effective date of the appraisal and the market value of the improvement on the same date.

In accounting, an allocation of the original cost of an asset, amortizing the cost over the asset's life; calculated using a variety of standard techniques. (Dictionary)

Disposition Value

The most probable price that a specified interest in property should bring under the following conditions:

Consummation of a sale within a specified time, which is shorter than the typical exposure time for such a property in that market.

The property is subjected to market conditions prevailing as of the date of valuation;

Both the buyer and seller are acting prudently and knowledgeably;

The seller is under compulsion to sell;

The buyer is typically motivated;

Both parties are acting in what they consider to be their best interests;

An adequate marketing effort will be made during the exposure time;

Payment will be made in cash in U.S. dollars (or the local currency) or in terms of financial arrangements comparable thereto; and

The price represents the normal consideration for the property sold, unaffected by special or creative financing or sales concessions granted by anyone associated with the sale. (Dictionary)

Easement

The right to use another's land for a stated purpose. (Dictionary)

EIFS

Exterior Insulation Finishing System. This is a type of exterior wall cladding system. Sometimes referred to as dry-vit.

Effective Date

The date on which the appraisal or review opinion applies. (SVP)

In a lease document, the date upon which the lease goes into effect. (Dictionary)

Effective Gross Income (EGI)

The anticipated income from all operations of the real estate after an allowance is made for vacancy and collection losses and an addition is made for any other income. (Dictionary)

Effective Rent

Total base rent, or minimum rent stipulated in a lease, over the specified lease term minus rent concessions; the rent that is effectively paid by a tenant net of financial concessions provided by a landlord. (TIs). (Dictionary)

EPDM

Ethylene Propylene Diene Monomer Rubber. A type of synthetic rubber typically used for roof coverings. (Dictionary)

Escalation Clause

A clause in an agreement that provides for the adjustment of a price or rent based on some event or index. e.g., a provision to increase rent if operating expenses increase; also called *escalator clause*, *expense recovery clause or stop clause*. (Dictionary)

Estoppel Certificate

A signed statement by a party (such as a tenant or a mortgagee) certifying, for another's benefit, that certain facts are correct, such as that a lease exists, that there are no defaults, and that rent is paid to a certain date. (Black's) In real estate, a buyer of rental property typically requests estoppel certificates from existing tenants. Sometimes referred to as an *estoppel letter*. (Dictionary)

Excess Land

Land that is not needed to serve or support the existing use. The highest and best use of the excess land may or may not be the same as the highest and best use of the improved parcel. Excess land has the potential to be sold separately and is valued separately. (Dictionary)

Excess Rent

The amount by which contract rent exceeds market rent at the time of the appraisal; created by a lease favorable to the landlord (lessor) and may reflect unusual management, unknowledgeable or unusually motivated



parties, a lease execution in an earlier, stronger rental market, or an agreement of the parties. (Dictionary)

Expense Stop

A clause in a lease that limits the landlord's expense obligation, which results in the lessee paying operating expenses above a stated level or amount. (Dictionary)

Exposure Time

The time a property remains on the market.

The estimated length of time that the property interest being appraised would have been offered on the market prior to the hypothetical consummation of a sale at market value on the effective date of the appraisal;

<u>Comment:</u> Exposure time is a retrospective opinion based on an analysis of past events assuming a competitive and open market. (Dictionary)

Extraordinary Assumption

An assignment-specific assumption as of the effective date regarding uncertain information used in an analysis which, if found to be false, could alter the appraiser's opinions or conclusions.

Comment: Uncertain information might include physical, legal, or economic characteristics of the subject property; or conditions external to the property, such as market conditions or trends; or the integrity of data used in an analysis. (USPAP)

Fee Simple Estate

Absolute ownership unencumbered by any other interest or estate, subject only to the limitations imposed by the governmental powers of taxation, eminent domain, police power, and escheat. (Dictionary)

Floor Common Area

In an office building, the areas on a floor such as washrooms, janitorial closets, electrical rooms, telephone rooms, mechanical rooms, elevator lobbies, and public corridors which are available primarily for the use of tenants on that floor. (BOMA)

Full Service (Gross) Lease

A lease in which the landlord receives stipulated rent and is obligated to pay all of the property's operating and fixed expenses; also called a *full service lease*. (Dictionary)

Furniture, Fixtures, and Equipment (FF&E)

Business trade fixtures and personal property, exclusive of inventory. (Dictionary)

Going-Concern Value

An outdated label for the market value of all the tangible and intangible assets of an established and operating business with an indefinite life, as if sold in aggregate; more accurately termed the *market value of the going*

concern or market value of the total assets of the business. (Dictionary)

Gross Building Area (GBA)

Total floor area of a building, excluding unenclosed areas, measured from the exterior of the walls of the abovegrade area. This includes mezzanines and basements if and when typically included in the market area of the type of property involved.

Gross leasable area plus all common areas.

For residential space, the total area of all floor levels measured from the exterior of the walls and including the superstructure and substructure basement; typically does not include garage space. (Dictionary)

Gross Measured Area

The total area of a building enclosed by the dominant portion (the portion of the inside finished surface of the permanent outer building wall which is 50 percent or more of the vertical floor-to-ceiling dimension, at the given point being measured as one moves horizontally along the wall), excluding parking areas and loading docks (or portions of same) outside the building line. It is generally not used for leasing purposes and is calculated on a floor by floor basis. (BOMA)

Gross Up Method

A method of calculating variable operating expenses in income-producing properties when less than 100% occupancy is assumed. Expenses reimbursed based on the amount of occupied space, rather than on the total building area, are described as "grossed up." (Dictionary)

Gross Retail Sellout

The sum of the separate and distinct market value opinions for each of the units in a condominium, subdivision development, or portfolio of properties, as of the date of valuation. The aggregate of retail values does not represent the value of all the units as though sold together in a single transaction; it is simply the total of the individual market value conclusions. Also called the aggregate of the retail values, aggregate retail selling price or sum of the retail values. (Dictionary)

Ground Lease

A lease that grants the right to use and occupy land. Improvements made by the ground lessee typically revert to the ground lessor at the end of the lease term. (Dictionary)

Ground Rent

The rent paid for the right to use and occupy land according to the terms of a ground lease; the portion of the total rent allocated to the underlying land. (Dictionary)



HVAC

Heating, ventilation, air conditioning (HVAC) system. A unit that regulates the temperature and distribution of heat and fresh air throughout a building. (Dictionary)

Highest and Best Use

The reasonably probable use of property that results in the highest value. The four criteria that the highest and best use must meet are legal permissibility, physical possibility, financial feasibility, and maximum productivity.

The use of an asset that maximizes its potential and that is possible, legally permissible, and financially feasible. The highest and best use may be for continuation of an asset's existing use of for some alternative use. This is determined by the use that a market participant would have in mind for the asset when formulating the price that it would be willing to bid. (IVS)

[The] highest and most profitable use for which the property is adaptable and needed or likely to be needed in the reasonably near future. (Uniform Appraisal Standards for Federal Land Acquisitions) (Dictionary)

Hypothetical Condition

A condition, directly related to a specific assignment, which is contrary to what is known by the appraiser to exist on the effective date of the assignment results, but is used for the purpose of analysis.

<u>Comment</u>: Hypothetical conditions are contrary to known facts about physical, legal, or economic characteristics of the subject property; or about conditions external to the property, such as market conditions or trends; or about the integrity of data used in an analysis. (USPAP)

Industrial Gross Lease

A type of modified gross lease of an industrial property in which the landlord and tenant share expenses. The landlord receives stipulated rent and is obligated to pay certain operating expenses, often structural maintenance, insurance and real property taxes, as specified in the lease. There are significant regional and local differences in the use of this term. (Dictionary)

Insurable Value

A type of value for insurance purposes. (Typically this includes replacement cost less basement excavation, foundation, underground piping and architect's fees). (Dictionary)

Investment Value

The value of a property to a particular investor or class of investors based on the investor's specific requirements.

Investment value may be different from market value because it depends on a set of investment criteria that are not necessarily typical of the market. (Dictionary)

Just Compensation

In condemnation, the amount of loss for which a property owner is compensated when his or her property is taken. Just compensation should put the owner in as good a position pecuniarily as he or she would have been if the property had not been taken. (Dictionary)

Leased Fee Interest

The ownership interest held by the lessor, which includes the right to receive the contract rent specified in the lease plus the reversionary right when the lease expires. (Dictionary)

Leasehold Interest

The right held by the lessee to use and occupy real estate for a stated term and under the conditions specified in the lease. (Dictionary)

See also Positive Leasehold and Negative Leasehold.

Lessee (Tenant)

One who has the right to occupancy and use of the property of another for a period of time according to a lease agreement. (Dictionary)

Lessor (Landlord)

One who conveys the rights of occupancy and use to others under a lease agreement. (Dictionary)

Liquidation Value

The most probable price that a specified interest in property should bring under the following conditions:

Consummation of a sale within a short time period.

The property is subjected to market conditions prevailing as of the date of valuation.

Both the buyer and seller are acting prudently and knowledgeably.

The seller is under extreme compulsion to sell.

The buyer is typically motivated.

Both parties are acting in what they consider to be their best interests.

A normal marketing effort is not possible due to the brief exposure time.

Payment will be made in cash in U.S. dollars (or the local currency) or in terms of financial arrangements comparable thereto.

The price represents the normal consideration for the property sold, unaffected by special or creative financing or sales concessions granted by anyone associated with the sale. (Dictionary)



Loan to Value Ratio (LTV)

The ratio between a mortgage loan and the value of the property pledged as security, usually expressed as a percentage. (Dictionary)

Major Vertical Penetrations

Stairs, elevator shafts, flues, pipe shafts, vertical ducts, and the like, and their enclosing walls. Atria, lightwells and similar penetrations above the finished floor are included in this definition. Not included, however, are vertical penetrations built for the private use of a tenant occupying office areas on more than one floor. Structural columns, openings for vertical electric cable or telephone distribution, and openings for plumbing lines are not considered to be major vertical penetrations. (BOMA)

Market Rent

The most probable rent that a property should bring in a competitive and open market reflecting the conditions and restrictions of a specified lease agreement, including the rental adjustment and revaluation, permitted uses, use restrictions, expense obligations; term, concessions, renewal and purchase options and tenant improvements (TIs). (Dictionary)

Market Value

The most probable price that a property should bring in a competitive and open market under all conditions requisite to a fair sale, the buyer and seller each acting prudently and knowledgeably, and assuming the price is not affected by undue stimulus. Implicit in this definition is the consummation of a sale as of a specified date and the passing of title from seller to buyer under conditions whereby:

Buyer and seller are typically motivated;

Both parties are well informed or well advised, and acting in what they consider their own best interests;

A reasonable time is allowed for exposure in the open

Payment is made in terms of cash in United States dollars or in terms of financial arrangements comparable thereto; and

The price represents the normal consideration for the property sold unaffected by special or creative financing or sales concessions granted by anyone associated with the sale. (Dictionary)

Marketing Time

An opinion of the amount of time it might take to sell a real or personal property interest at the concluded market value level during the period immediately after the effective date of an appraisal. Marketing time differs from exposure time, which is always presumed to precede the effective date of an appraisal. (Advisory Opinion 7 of

the Appraisal Standards Board of the Appraisal Foundation)

Master Lease

A lease in which the fee owner leases a part or the entire property to a single entity (the master lease) in return for a stipulated rent. The master lessee then leases the property to multiple tenants. (Dictionary)

Modified Gross Lease

A lease in which the landlord receives stipulated rent and is obligated to pay some, but not all, of the property's operating and fixed expenses. Since assignment of expenses varies among modified gross leases, expense responsibility must always be specified. In some markets, a modified gross lease may be called a *double net lease*, net net lease, partial net lease, or semi-gross lease. (Dictionary)

Negative Leasehold

A lease situation in which the market rent is less than the contract rent. (Dictionary)

Operating Expense Ratio

The ratio of total operating expenses to effective gross income (TOE/EGI); the complement of the net income ratio, i.e., OER = 1 – NIR (Dictionary)

Option

A legal contract, typically purchased for a stated consideration, that permits but does not require the holder of the option (known as the *optionee*) to buy, sell, or lease real estate for a stipulated period of time in accordance with specified terms; a unilateral right to exercise a privilege. (Dictionary)

Partial Interest

Divided or undivided rights in real estate that represent less than the whole, i.e., a fractional interest such as a tenancy in common, easement, or life interest. (Dictionary)

Pass Through

A tenant's portion of operating expenses that may be composed of common area maintenance (CAM), real property taxes, property insurance, and any other expenses determined in the lease agreement to be paid by the tenant. (Dictionary)

Positive Leasehold

A lease situation in which the market rent is greater than the contract rent. (Dictionary)

Potential Gross Income (PGI)

The total income attributable to property at full occupancy before vacancy and operating expenses are deducted. (Dictionary)



Prospective Future Value Upon Completion

A prospective market value may be appropriate for the valuation of a property interest related to a credit decision for a proposed development or renovation project. According to USPAP, an appraisal with a prospective market value reflects an effective date that is subsequent to the date of the appraisal report. ... The prospective market value –as completed- reflects the property's market value as of the time that development is expected to be complete. (Dictionary)

Prospective Future Value Upon Stabilization

A prospective market value may be appropriate for the valuation of a property interest related to a credit decision for a proposed development or renovation project. According to USPAP, an appraisal with a prospective market value reflects an effective date that is subsequent to the date of the appraisal report ...The prospective market value – as stabilized – reflects the property's market value as of the time the property is projected to achieve stabilized occupancy. For an income-producing property, stabilized occupancy is the occupancy level that a property is expected to achieve after the property is exposed to the market for lease over a reasonable period of time and at comparable terms and conditions to other similar properties. (Dictionary)

Replacement Cost

The estimated cost to construct, at current prices as of a specific date, a substitute for a building or other improvements, using modern materials and current standards, design, and layout. (Dictionary)

Reproduction Cost

The estimated cost to construct, at current prices as of the effective date of the appraisal, an exact duplicate or replica of the building being appraised, using the same materials, construction standards, design, layout, and quality of workmanship and embodying all of the deficiencies, superadequacies, and obsolescence of the subject building. (Dictionary)

Retrospective Value Opinion

A value opinion effective as of a specified historical date. The term *retrospective* does not define a type of value. Instead, it identifies a value opinion as being effective at some specific prior date. Value as of a historical date is frequently sought in connection with property tax appeals, damage models, lease renegotiation, deficiency judgments, estate tax, and condemnation. Inclusion of the type of value with this term is appropriate, e.g., "retrospective market value opinion." (Dictionary)

Sandwich Leasehold Estate

The interest held by the sandwich leaseholder when the property is subleased to another party; a type of leasehold estate. (Dictionary)

Sublease

An agreement in which the lessee in a prior lease conveys the right of use and occupancy of a property to another, the sublessee, for a specific period of time, which may or may not be coterminous with the underlying lease term. (Dictionary)

Subordination

A contractual arrangement in which a party with a claim to certain assets agrees to make his or her claim junior, or subordinate, to the claims of another party. (Dictionary)

Surplus Land

Land that is not currently needed to support the existing use but cannot be separated from the property and sold off for another use. Surplus land does not have an independent highest and best use and may or may not contribute value to the improved parcel. (Dictionary)

TPC

Thermoplastic polyolefin, a resilient synthetic roof covering.

Triple Net (Net Net Net) Lease

An alternative term for a type of net lease. In some markets, a net net net lease is defined as a lease in which the tenant assumes all expenses (fixed and variable) of operating a property except that the landlord is responsible for structural maintenance, building reserves, and management; also called *NNN lease*, net net lease, or fully net lease. (Dictionary)

(The market definition of a triple net lease varies; in some cases tenants pay for items such as roof repairs, parking lot repairs, and other similar items.)

Usable Area

The measured area of an office area, store area, or building common area on a floor. The total of all the usable areas for a floor shall equal floor usable area of that same floor. (BOMA)

Value-in-Use

The value of a property assuming a specific use, which may or may not be the property's highest and best use on the effective date of the appraisal. Value in use may or may not be equal to market value but is different conceptually. (Dictionary)



VTAB

Value of the Total Assets of a Business. The value of a going concern (i.e. the business enterprise). (Dictionary)



Qualifications

John Cloern Director, Affordable Housing

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Independent Valuations for a Variable World

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Appraisal Standards of Practice
USPAP

Experience

Director, Affordable Housing

ValbridgePropertyAdvisors|Allgeier Company (2013 - present) Allgeier Company (2002 - 2012)

Appraisal/valuation and consulting experience includes market studies and appraisals for LIHTC, Section 8 properties including HUD's Mark to Market Program, HUD 221(d) 4, and HUD 223(f). In depth experience also includes Rural Development properties and programs, 515 Loans, and 538 Guaranteed Loans. Above experience obtained in many different states.



In the name and by the Authority of the

Commonwealth of Kentucky



Kentucky Real Estate Appraisers Board

Hereby grants a/an Certified General Real Property Appraiser

To John Cloern 10964 Old Harrods Woods Circle Louisville KY 40223

who has complied with the provisions of Chapter 324A of the Kentucky Revised Statutes IN WITNESS WHEREOF, we have caused the official seal to be fixed and attested for the year shown below.

/s William Jeffrey Fultz

Chair

/s John C. Brewer

Vice Chair



License Number: 4263 Issue Date: December 31, 2008 Expire Date: July 1, 2024



Qualifications of Jonathan S. Beery, MAI Senior Managing Director

Valbridge Property Advisors | Kentucky

State Certifications

State of Kentucky State of Indiana State of Ohio State of Tennessee

Education

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Member: Appraisal Institute – Designated Member

Sales Associate: Kentucky Real Estate Commission

Member: Greater Louisville Association of Realtors

Member: National Association of Realtors
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<u> Appraisal Institute & Related Courses:</u>

Principles of Real Estate Appraisal and Single Family Appraisal Procedures of Real Estate Appraisal and Single Family Appraisal

Standards of Professional Practice (USPAP)
Small Residential Income Property Valuation

Business Practices and Ethics

Rent Comparability Study for HUD Project-Based Section 8

Contract Renewals

Evaluating Commercial Construction

Basic Income Capitalization

Apartment Appraisal General Applications Subdivision Valuation

General Market Analysis and Highest & Best Use Advanced Sales Comparison & Cost Approach

Advanced Applications

Report Writing & Valuation Analysis

MAP Appraising

Advanced Income Capitalization

Uniform Appraisal Standards for Federal Land Acquisitions

(Yellow Book)

Experience:

Senior Managing Director

Valbridge Property Advisors | Kentucky (2013 - present) Allgeier Company (2004 - 2012)

Appraisal/valuation and consulting assignments include: apartment and condominium complexes; retail buildings and shopping centers; office buildings; industrial buildings; single-family residential; and vacant industrial, commercial and residential land. Assignments also include net lease properties, Section 8 based complexes, LIHTC market studies and appraisals, and HUD MAP valuations and market studies.



In the name and by the Authority of the

Commonwealth of Kentucky

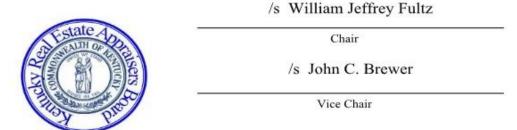


Kentucky Real Estate Appraisers Board

Hereby grants a/an Certified General Real Property Appraiser

To Jonathan Beery 9401 Williamsburg Plaza Ste. 204Louisville KY 40222

who has complied with the provisions of Chapter 324A of the Kentucky Revised Statutes IN WITNESS WHEREOF, we have caused the official seal to be fixed and attested for the year shown below.



License Number: 4057 Issue Date: November 13, 2007 Expire Date: July 1, 2024





- Valbridge is the largest independent commercial property valuation and advisory service firm in North America.
 - Total number of MAI-designated appraisers (200+ on staff)
 - Total number of office locations (80+ across the U.S.)
 - Total number of staff (675+ strong)
- Valbridge covers the entire U.S. from coast to coast.
- Valbridge specializes in appraising all types of real property.
- Valbridge provides independent valuation services. We are NOT owned by a brokerage firm or investment company.
- Every Valbridge office is overseen by a senior managing director who holds the MAI designation of the Appraisal Institute.
- Valbridge is owned by local offices.
- Valbridge welcomes single-property assignments as well as portfolio, multi-market, and other bulk-property engagements.





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3500 Route 9 South, Ste. 202 Howell, NJ 07731 (732) 807-3113

NEW YORK

325 West 38th St. Ste. 702 New York, NY 10018 (212) 268-1113

NORTH CAROLINA

5950 Fairview Rd., Ste. 405 Charlotte, NC 28210 (704) 376-5400

412 E. Chatham St. Cary, NC 27511 (919) 859-2666

OHIO

1655 W. Market St., Ste. 130 Akron, OH 44313 (330) 899-9900

OHIO (CONT'D)

8291 Beechmont Ave., Ste. B Cincinnati, OH 45255 (513) 785-0820

1422 Euclid Ave., Ste. 1160 Cleveland, OH 44115 (216) 367-9690

OKLAHOMA

6666 S. Sheridan Rd., Ste. 104 Tulsa, OK 74133 (918) 712-9992

5909 NW Expy., Ste. 104 Oklahoma City, OK 73132 (405) 603-1553

PENNSYLVANIA

150 S. Warner Rd., Ste. 440 King of Prussia, PA 19406 (215) 545-1900

4701 Baptist Rd., Ste. 304 Pittsburgh, PA 15227 (412) 881-6080

SOUTH CAROLINA

1250 Fairmont Ave. Mt. Pleasant, SC 29464 (843) 884-1266

11 Cleveland Ct. Greenville, SC 29607 (864) 233-6277

920 Bay St., Ste. 26 Beaufort, SC 29902 (843) 884-1266

TENNESSEE

3500 Ringgold Rd., Ste. 3 Chattanooga, TN 37412 (423) 206-2677

213 Fox Rd. Knoxville, TN 37922 (865) 522-2424

756 Ridge Lake Blvd., Ste. 225 Memphis, TN 38120 (901) 753-6977

5205 Maryland Way, Ste. 300 Brentwood, TN 37027 (615) 369-0670

TEXAS

901 Mopac Expy. S., Bldg. 1, Ste. 300 Austin, TX 78746 (737) 242-8585

TEXAS (CONT'D)

10210 North Central Expy., Ste. 115 Dallas, TX 75231 (214) 446-1611

974 Campbell Rd., Ste. 204 Houston, TX 77024 (713) 467-5858

2731 81st St. Lubbock, TX 79423 (806) 744-1188

9901 IH-10 West, Ste. 1035 San Antonio, TX 78230 (210) 227-6229

UTAH

527 E. Pioneer Rd., Ste. 240 Draper, Utah 84020 (801) 262-3388

20 North Main St. George, UT 84770 (435) 773-6300

321 N. County Blvd., Ste. D American Fork, UT 84003 (801) 492-0000

VIRGINIA

656 Independence Pkwy., Ste. 220 Chesapeake, VA 23320 (757) 410-1222

4914 Fitzhugh Ave., Ste. 100 Richmond, VA 23230 (757) 345-0010

5107 Center St., Ste. 2B Williamsburg, VA 23188 (757) 345-0010

WASHINGTON

8378 W. Grandridge Blvd., Ste. 110-D Kennewick, WA 99336 (509) 221-1540

25923 Washington Blvd., NE., Ste. 300 Kingston, WA 98346 (360) 649-7300

324 N. Mullan Rd. Spokane Valley, WA 99206 (509) 747-0999

WISCONSIN

12660 W. North Ave. Brookfield, WI 53005 (262) 782-7990







PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT



Proposed Harper Village 445 Browning Street Madisonville, Hopkins County, Kentucky

July 22, 2024

Prepared by:





July 22, 2024

Mr. Anthony Elmore Wabuck Development Co., Inc. 100 Wabuck Drive Leitchfield, KY 42754

> Phase I Environmental Site Assessment Report Re:

Proposed Harper Village 445 Browning Street

Madisonville, Hopkins County, KY 42431 Linebach Funkhouser Project 032-24 T2

Dear Mr. Elmore:

Linebach Funkhouser, Inc. (LFI) has completed the enclosed Phase I Environmental Site Assessment Report for the above-referenced property. The assessment activities included a site reconnaissance, interviews with persons knowledgeable about the site, a review of available literature, maps, historical information, and a review of the local, state and federal regulatory agency files regarding the site. The attached report documents the conditions encountered during the assessment and presents our summary and recommendations relative to the site.

We appreciate the opportunity to provide our services to you. Please contact us if you have any questions or comments regarding this submittal, or if we can be of additional service to you.

Sincerely,

Jason P. Boston **Project Scientist**

R. William Johnston, P.G.

Principal Geologist

Enclosure

EXECUTIVE SUMMARY

Linebach Funkhouser, Inc. (LFI) has completed a Phase I Environmental Site Assessment (ESA) of the property located at 445 Browning Street in Madisonville, Kentucky. This ESA was prepared in accordance with the scope and limitations of ASTM's *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (ASTM E1527-21). Results of the assessment, including a site reconnaissance, a review of historical information, a review of federal, state and local records, as well as interviews with persons knowledgeable about the site, are summarized as follows:

Report Section	Environmental Related Item	Description	REC		
	SIT	E/AREA DESCRIPTION			
2.6	Current Use of Property	Undeveloped	NO		
2.7	Current Use of Adjoining Properties	Residential, apartments, church	NO		
	SITE HISTORY A	ND HISTORICAL RECORDS REVIEW			
3.1	Past Uses of Property	Undeveloped with few barn structures	NO		
3.2	Past Uses of Adjoining Properties	Residential, undeveloped	NO		
	ENVIRON	MENTAL RECORDS REVIEW			
4.1	Subject Property	No listings	NO		
4.1	Adjoining Properties	No listings	NO		
4.2	Listings within Established Search Radii	1 listing	NO		
4.3	Vapor Encroachment Screen	Does not exist	NO		
	SITE RECONNAISSANCE				
5.2	Haz. Substances/Waste and Petroleum Products	None observed	NO		
5.3	Storage Tanks (UST/AST)	None observed	NO		
5.8	Pits, ponds and lagoons	None observed	NO		
5.9	Stained soil/pavement	None observed	NO		
5.11	Waste Generation, Storage, and Disposal	None observed	NO		
5.13	Wells	None observed or reported	NO		
	INTERVIEWS				
6.1	Site Representative	Based on historical and regulatory documentation utilized throughout this assessment, no interviews were made with property representatives throughout the course of this assessment.	NO		
6.3	Local Government Officials	Hopkins County PVA KDEP-USTB	NO		

Report Section	Environmental Related Item	Description	REC
	NON-S	COPE CONSIDERATIONS	
7.1	Asbestos Containing Materials (ACMs)	No structures exist; therefore, the presence of ACM and LBP is considered unlikely. No survey was	N/A
7.2	Lead Based Paint (LBP)	completed.	
7.3	Undefined Emerging Contaminants	No obvious indications of potential contaminants, not currently defined by CERCLA, such as PFAS or biologically derived byproducts were identified.	
	USER F	ROVIDED INFORMATION	
8.1	Env. Liens / AULs	None provided for review.	NO
9.0 D		DATA GAPS	NO
10.0	FIN	DINGS AND OPINIONS	NO
Recognized Environmental Conditions (RECs)		Cs) None Identified	
Historical Recognized Environmental Conditions (HRECs)		None Identified	
Controlled Recognized Environmental Conditions (CRECs)		None Identified	
De Minimis Conditions		None Identified	

Conclusions and Recommendations

This assessment has revealed no evidence of *recognized environmental conditions* in connection with the property. Therefore, no further assessment is recommended.

This Executive Summary provides a summation of the results of the Phase I ESA and is not intended to be all-inclusive. The complete report lists the procedures used during our assessment and provides our conclusions and recommendations regarding the site.

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Appendix D – User Questionnaire

1.0 INTRODUCTION

Linebach Funkhouser, Inc. (LFI) was retained by Wabuck Development Group (the Client), to conduct a Phase I Environmental Site Assessment (ESA) of the undeveloped property located at 445 Browning Street in Madisonville, Kentucky (the "subject property"). This assessment was completed as part of due diligence activities in relation to a real estate transaction.

1.1 Purpose

The purpose of this ESA was to document current and historical information on the subject property and surrounding areas in order to identify *recognized environmental conditions* (RECs), defined in ASTM E1527-21 as the presence or likely presence of any hazardous substances or petroleum products in, on, or at the property: (1) due to a release to the environment; (2) under conditions indicative of a likely release to the environment; or (3) under conditions that pose a material threat of a future release to the environment.

The term is not intended to include *de minimis* conditions, defined in ASTM E1527-21 as a condition related to a release that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be *de minimis* conditions are not *recognized environmental conditions* nor *controlled recognized environmental conditions*.

The term *historical recognized environmental condition* (HREC), is defined by ASTM E1527-21 as a past release of any hazardous substances or petroleum products that has occurred affecting the property and has been addressed to the satisfaction of the applicable regulatory authority (as evidenced by the issuance of a no further action letter or other equivalent closure documentation) and meeting the current unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (e.g., property use restriction, activity and use limitations, institutional controls, or engineering controls).

The term *controlled recognized environmental condition* (CREC), is defined by ASTM E1527-21 as an REC resulting from a past release of hazardous substances or petroleum products affecting the property and has been addressed to the satisfaction of the applicable regulatory authority (e.g.,

as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (e.g., property use restrictions, activity and use limitations, institutional controls, or engineering controls or other property use limitations).

1.2 Scope of Work

This ESA was conducted utilizing standard practices consistent with ASTM E1527-21. Any significant scope-of-work additions, deletions, or deviations to ASTM E1527-21 are noted below or in the corresponding sections of this report. The scope-of-work for this ESA included an evaluation of the following:

- General physical setting characteristics of the subject property and immediate vicinity through a review of one or more referenced sources, including topographic and geologic maps, soils and hydrologic reports.
- Historical usage of the subject property, adjoining properties, and surrounding area through a review of reasonably ascertainable sources such as land title records, fire insurance maps, city directories, aerial photographs, property tax files, prior environmental assessment reports, and interviews.
- Current land use and existing conditions of the subject property including observations
 and interviews regarding the use, treatment, storage, disposal or generation of
 hazardous substances, petroleum products and hazardous, regulated, or medical
 wastes; equipment that is known or likely to contain PCBs; storage tanks and drums;
 wells, drains and sumps; and pits, ponds or lagoons.
- Current land use of adjoining and surrounding area properties and the likelihood of known or suspected releases of hazardous substances or petroleum products to impact the subject property.
- Environmental regulatory database information and local environmental records within specified minimum search distances.

Unless otherwise identified in the report, the scope-of-work for this ESA did not include a consideration of the following potential environmental conditions that are outside the scope of ASTM Practice E1527-21 including but not limited to: asbestos-containing building materials, biological agents, cultural and historic resources, ecological resources, endangered species, health and safety, indoor air quality (unrelated to releases of hazardous substances or petroleum products

into the environment), industrial hygiene, lead-based paint, lead in drinking water, mold, radon, regulatory compliance, emerging contaminants, and wetlands.

1.3 Terms and Conditions

This Phase I ESA was performed on behalf of, and solely for the exclusive use of the Client. No other company, entity, or person shall have any rights with regard to LFI's contract with the Client including but not limited to indemnification by LFI, or any rights of reliance on the findings, conclusions, and recommendations of this or any subsequent reports regarding the subject property.

In accordance with ASTM E1527-21 provisions, this report is presumed to be valid for up to one year prior to the date of acquisition or transaction of the property. This presumption assumes that the report components, listed in the table below, are updated within 180 days prior to the intended date of purchase or prior to the dated of transaction of the property.

Critical Dates

Phase I ESA Components	Date Completed
Environmental Lien Search	Not Provided For Review
Radius Report	June 12, 2024
Visual Inspection property and surrounding properties	June 23, 2024
Declaration by Environmental Professional	July 18, 2024

1.4 Assumptions, Limitations and Exceptions

This ESA was prepared in accordance with the scope and limitations of ASTM's *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (ASTM E1527-21), recognized by the U.S. Environmental Protection Agency (USEPA) as compliant with *Standards and Practices for All Appropriate Inquiries* (AAI) promulgated at 40 CFR Part 312.

This Phase I Environmental Site Assessment has been prepared to assess the property with respect to hazardous substances defined in the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (42 U.S.C. §9601), and petroleum products. As such, this assessment is intended to permit the Client to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on

CERCLA liability: that is, the practices that constitute "all appropriate inquiry into the previous ownership and uses of the subject property consistent with good commercial or customary practice" as defined in 42 USC §9601 (35)(B).

LFI conducted this ESA using reasonable efforts to identify recognized environmental conditions on the subject property. Findings within this report are based on the information obtained during the site reconnaissance, the electronic regulatory file review, a review of historical records, interviews, and from reasonably ascertainable and publicly available information obtained from public agencies and other referenced sources. The presence of recognized environmental conditions on a site may not always be apparent; consequently, the completion of a Phase I ESA cannot provide a guarantee that recognized environmental conditions do not exist in connection with a site.

This report is not definitive and should not be assumed to be a complete or specific determination of all conditions above or below grade. Current subsurface conditions may differ from the conditions indicated by surface observations or historical sources and can be most reliably evaluated through intrusive techniques that were beyond the scope of this ESA. Information in this report is not intended for use as a construction document and should not be used for demolition, renovation, or other construction purposes. LFI makes no representation or warranty that the past or current operations at the site are, or have been, in compliance with applicable federal, state and local laws, regulations and codes.

Environmental Data Resources, Inc. (EDR), an independent environmental data research company, provided the records from the government agency databases referenced in this report. Information regarding surrounding area properties was requested for the specified minimum search distances and was assumed to be correct and complete unless obviously contradicted by LFI's observations or other credible referenced sources reviewed during the ESA. LFI is not a professional title insurance or land surveying firm and makes no guarantee, explicit or implied, that any land title records acquired or reviewed, or any physical descriptions or depictions of the site in this report, represent a comprehensive definition or precise delineation of property ownership or boundaries.

2.0 SITE DESCRIPTION

The location, description, and current uses of the subject property, as well as surrounding properties are presented in the following sections.

2.1 Location and Description

The subject property consists of a portion of two contiguous parcels identified by the Hopkins County Property Valuation Administration as #M-21-3-3-1 and # M-21-3-3-3. The parcels are currently owned by Deeper Life Pentecostal and Star Rental, Inc. respectively. A site location map is provided in **Figure 1** and an aerial photograph depicting the site and surrounding property use is provided in **Figure 2**. Site photographs are included in **Appendix A**.

2.2 Structures / Improvements

The subject property is undeveloped and grass-covered.

2.3 Municipal Services and Utilities

Properties in the vicinity are serviced by the following municipal services and private utilities:

Utility	Provider	
Potable Water Supply		
Sewage Disposal	Madisonville Municipal Utilities	
Electricity		
Natural Gas	Atmos Energy	

2.4 Roads

The property is located to the north of W. Noel Avenue, to the east of Wiman Drive and to the west of Browning Street. No publicly owned roads are located on the property.

2.5 Topography and Drainage

A review of the *Madisonville West, KY* United States Geological Survey (USGS) Topographic Quadrangle (2022) indicates a surface elevation for the subject property averages approximately 432 feet above the National Geodetic Vertical Datum (NGVD) of 1929 (approximately mean sea level). A copy of the topographic map is provided in **Figure 1** and **Appendix B**. According to the United States Department of Agriculture (USDA) Soil Conservation Service (SCS), the dominant

soil composition in the vicinity of the subject property is classified as Loring, a moderately well-drained silt loam.

Major hydrogeologic features such as a river or lake generally influence regional groundwater flow direction. Surface and/or bedrock topography may also influence regional groundwater flow direction. Based on information gathered during the site visit, the topography of the land, and information contained in the Environmental Data Resources, Inc. (EDR) report, the direction of surface and groundwater flow is interpreted to be west with the local topographic gradient towards Greasy Creek tributaries located on the northwest portion of the site and farther west.

2.6 Current Use of Property

The subject property is undeveloped.

2.7 Current Use of Adjoining Properties

Nearby property usage could potentially impact the surface and subsurface conditions of a site. Developing a history of past to present uses or occupancies can provide an indication of the likelihood of environmental concern. An aerial photograph illustrating the surrounding property-use relative to the subject property is included as **Figure 2**. A general description of surrounding land use is as follows:

Current Use of Adjoining Properties

Direction	Description
North	Undeveloped, residential
South	W. Noel Avenue (KY-1178), residential
East	Praise Temple Apostolic Church, residential, Browning Street
West	Wiman Gardens Apartments, Wiman Drive

3.0 SITE HISTORY AND HISTORICAL RECORDS REVIEW

Historical information about the subject property, based on an evaluation of available records reviewed during the Phase I, is included in the following sections.

3.1 Past Uses of Property

LFI attempted to determine the historical use of the subject property dating back to 1940 or the first developed use. The following table summarizes the historical use of the subject property:

Historical Use Summary

Subject Property		
Period		Source(s)
1909 - Present	Undeveloped, a former lake known as Kington Lake was located on the central portion of the property until the 1970s.	Topographic Maps Aerial Photographs

3.2 Past Uses of Adjoining Properties

Residential properties have historically adjoined the subject property to the north, south and east. The church adjoining to the southeast was developed in the mid-1990s and the apartment complex to the southwest was developed in 2020.

3.3 Topographic Maps

Historical topographic maps provide information related to physical land configuration such as elevation, ground slope, surface water and other features. While most buildings in densely developed urban centers are not depicted, topographic maps typically show structures equal to or larger than the size of a single-family residence in rural areas. A search for historical topographic maps of the subject property and surrounding area was conducted by EDR and provided to LFI in a *Historical Topographic Map Report* dated June 12, 2024. Topographic maps were provided for various years between 1909 and 2022. A copy of the EDR *Historical Topographic Map Report* is included in **Appendix B** and summarized as follows:

Historical Topographic Maps

Year	Issues Noted	Observations
1909	No	Subject Property: Predominately undeveloped, two small structures are depicted on the northeast portion of the property.
1911	INO	Surrounding Properties: Predominately undeveloped to the north, south and west. W. Noel Avenue and Browning Street are present. Sparse small structures are depicted to the east.
1954		Subject Property: Predominately undeveloped, Kington Lake is present.
- 1963	No 3	Surrounding Properties: Shaded incorporated areas of Madisonville are shown to the south and east. Undeveloped areas and few structures are shown to the northwest and farther west.

Historical Topographic Maps

Year	Issues Noted	Observations
2013(1)	No	Subject Property: No structures or identifying features are shown.
2022		Surrounding Properties: Major roads and highways are shown, no individual structures.

⁽¹⁾ Beginning with the 2010 map updates, the USGS elected to omit building footprints, urban designations, and other points of interest from topographic map updates.

3.4 Aerial Photographs

Aerial photographs are generally of very small scale and only provide a general idea of activity in the area. Aerial photographs are instantaneous records and their usefulness is limited because they do not necessarily reflect the condition of a site before or after the photographs were taken. A search for aerial photographs of the subject property and surrounding area was conducted by EDR and provided to LFI in an *Aerial Photo Decade Package* dated June 13, 2024. Aerial photographs were provided for various years from 1950 to 2020. A copy of the EDR *Aerial Photo Report* is included in **Appendix B** and a summary is presented in the following table:

Aerial Photographs

Year	Issues Noted	Observations
4050		Subject Property: Undeveloped, Lake Kington is observed.
1950 - 1993	No	Surrounding Properties: Bordering roads are present and residential properties adjoin the property to the north and east. Residential structures are observed directly to the south across W. Noel Avenue with commercial developments farther to the SW and SE.
1998		Subject Property: Undeveloped
2020	No	Surrounding Properties: Adjoining properties are developed similar to their present-day configuration. The adjoining church is initially observed in the 1998 aerial photo. The apartment complex to the SW is observed in the 2020 aerial.

3.5 Sanborn Fire Insurance Maps

A search for Sanborn fire insurance maps for the subject property and surrounding area was conducted by EDR and provided to LFI in a *Certified Sanborn Map Report*, dated June 12, 2024. Fire insurance maps were unavailable for the subject property and surrounding areas. A copy of the report stating "Unmapped Property" is provided in **Appendix B**.

3.6 City Directories

A search of historical city directories for the subject property and surrounding properties was conducted by EDR and provided to LFI in a *City Directory Abstract* dated June 15, 2024. City directories along Nortonville Road were available for various years between 1992 and 2020. The subject property was not included in any of the directory listings. A copy of the report is provided in **Appendix B**.

EDR maintains several proprietary databases of "high risk historical records" to aid in identification of businesses (e.g. – auto stations, dry cleaners, etc.) commonly associated with potential environmental concerns. Nearby listings appearing on regulatory databases are summarized in the following sections.

4.0 ENVIRONMENTAL RECORDS REVIEW

An electronic database search of files maintained by the U. S. EPA and the Kentucky Department for Environmental Protection (KDEP) was conducted by EDR on June 12, 2024 to evaluate the regulatory history of the subject property and surrounding properties. The search of standard federal, state, and tribal regulatory agency databases was conducted to (1) identify listings for the subject property and adjoining properties and (2) evaluate sites within applicable ASTM E1527-21 and AAI defined search radii that could cause actual or potential environmental impacts to the subject property. A summary of the results of the regulatory agency database search is provided in the following table:

Regulatory Database Search Summary

Regulatory Database	Minimum Search Distance	Property Listed?	# Sites Listed
Federal National Priority List (NPL)	1 Mile	No	0
Federal De-Listed NPL	½ Mile	No	0
Federal CERCLIS	½ Mile	No	0
Federal CERCLIS NFRAP	½ Mile	No	1
Federal RCRA CORRACTS	1 Mile	No	0
Federal RCRA non-CORRACTS TSD	½ Mile	No	0
Federal RCRA Generators	1/4 Mile	No	0
Federal Institutional/Engineering Control Registry	½ Mile	No	0
Federal ERNS	1/4 Mile	No	0

Regulatory Database Search Summary

Regulatory Database	Minimum Search Distance	Property Listed?	# Sites Listed
State/Tribal Haz. Waste Sites (NPL/CERCLIS)	1 Mile	No	9
State/Tribal Landfill or Solid Waste Disposal Sites	½ Mile	No	1
State/Tribal Leaking Storage Tank Lists	½ Mile	No	0
State/Tribal Registered Storage Tank Lists	1/4 Mile	No	6
State/Tribal Institutional/Engineering Control Registry	½ Mile	No	0
State/Tribal Voluntary Cleanup Sites	½ Mile	No	0
Federal/State Brownfield Sites	½ Mile	No	0

The fact that sites do or do not appear on a list does not necessarily indicate that an environmental concern exists. In addition, sites may not be mapped in a list search due to inaccuracy of owner/operator records, government records, or errors occurring during conversion of the data by informational sources. A copy of the EDR report that includes a detailed description of each database and the results of the database inquiries is provided in **Appendix C**.

4.1 Listings for Subject Site or Adjoining Properties

The EDR database search did not identify the subject property or any adjoining properties on ASTM / AAI required databases.

4.2 Listings within Established Search Radii

One (1) property within a 0.1-mi. radius of the subject property was identified on an ASTM/AAI database as follows:

Sharkey's Westside Service (Sharkey's)

Address: 820 W. Noel Street (0.16-mile SSW across W. Noel) - downgradient

Relative Elevation: Higher

ASTM/AAI Databases: UST (AI# 65664) Non-ASTM/AAI Databases: EDR Hist Auto

Database Summary:

<u>UST</u> – According to EDR and KDEP Underground Storage Tank Branch (USTB), the following UST systems are were formerly located on the property:

Tank #	Status	Install Year	Removal Year	Tank Contents	Capacity (gallons)	Ta nk Material	Spill/Leak Detection	
1	Classed In				1,000			
2	Closed-In- Place	N/A		500	C:I - \ \ \ / - II			
3	Flace				Gasoline	500	Single Wall Steel	No
4	Removed	Unknown	2011		1,000	Sieei		
5	Removed	Ulikilowii	2011		1,000			

KDEP issued a No Further Action (NFA) letter dated June 15, 2011 for Tanks # 4 & # 5 following the removal and submittal of a Closure Assessment Report (CAR) conducted by West Kentucky Environmental Services, LLC. It is reported that tanks # 1, # 2 and # 3 were closed in place in 1986 and no assessment has been completed for these systems. Groundwater flow direction is interpreted to be to the west and away from the subject property. Based on available information as well as this property being located across W. Noel Avenue, this site does not represent a recognized environmental condition (REC).

No additional upgradient sites with the potential to negatively impact the property were identified within a 0.1-mile radius of the subject property.

The EDR environmental records search also provides a list of "orphan" sites, which are properties identified on ASTM/AAI required databases but that could not be mapped due to poor or inaccurate address information. EDR's records search listed two (2) orphan sites located along Island Park Drive and Laffoon Trail. These sites are located farther to the northeast and to the west and not in the vicinity of the subject property.

4.3 Vapor Encroachment Screen

LFI conducted a Vapor Encroachment Screen (VES) utilizing the Tier 1 methodology provided in ASTM's Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions (E2600-15). The Tier 1 methodology in E2600-15 was utilized in order to identify a Vapor Encroachment Condition (VEC), which is "the presence or likely presence of chemicals of concern (COC) (i.e. – petroleum hydrocarbons and/or chlorinated solvents) vapors in the vadose zone of the subject property caused by the release of vapors from contaminated soil and/or groundwater either on or near the subject property". Information provided by EDR was reviewed to identify facilities within the Area of Concern (AOC) to evaluate whether contamination at nearby properties could represent a vapor encroachment condition (VEC) on the Site. The AOC

for chlorinated solvents is defined in ASTM E2600-15 as the area within 1/3 mile of the property boundaries. For facilities at which the only COCs are petroleum hydrocarbons, the AOC includes the area within 0.1 mile of the property boundaries.

A review of historical use information and regulatory database documentation collected in the course of this Phase I ESA did not identify obvious evidence of COC that may migrate as vapors onto the subject property as a result of contaminated soil and/or groundwater known to be present on or near the subject property. Therefore, our opinion based on the Tier 1 VES is that a VEC does not exist on the property.

5.0 SITE RECONNAISSANCE

A site reconnaissance was conducted on June 23, 2024 by Mr. Jason Boston, Project Scientist, with LFI. Mr. Boston was unaccompanied during the site reconnaissance.

5.1 Site Reconnaissance Methodologies

The purpose of the reconnaissance was to gather information regarding the environmental conditions at the subject property and surrounding areas. The site reconnaissance consisted of visual observations of the subject property and any existing improvements, adjoining properties as viewed from the subject property, and observations of nearby properties made from public thoroughfares.

At the time of the site reconnaissance, weather conditions were partly cloudy and approximately 85° Fahrenheit. No limiting conditions were present. Photographs taken during the site reconnaissance, depicting site conditions at the time of the visit, are provided in **Appendix A**.

5.2 Hazardous Substances/Waste and Petroleum Products

No obvious indications of generation, use, storage, treatment, or disposal of hazardous substances/wastes or petroleum products were observed during site reconnaissance.

5.3 Underground Storage Tanks (USTs) & Aboveground Storage Tanks (ASTs)

The site reconnaissance included a search for physical features such as fill ports, slumped pavement/ground surface, patched pavement, and evidence of underground piping or pump

stations commonly associated with the current or historical presence of storage tanks. The absence of common physical features cannot completely rule out the current or historical existence of storage tanks. Site characteristics such as overgrown vegetation, new pavement, or past renovation/construction/demolition activities may prevent the identification of storage tanks.

5.3.1 Underground Storage Tanks (USTs)

No evidence of current or former USTs was observed or reported during site reconnaissance.

5.3.2 Aboveground Storage Tanks (ASTs)

No evidence of current or former ASTs was observed during site reconnaissance.

5.4 Odors

No strong, pungent or noxious odors were noticed during the site reconnaissance.

5.5 Drums and Containers

No obvious indications of drums or containers were observed during the site reconnaissance.

5.6 Polychlorinated Biphenyls (PCBs)

Polychlorinated biphenyls (PCBs) are organic compounds that have been used extensively in electrical capacitors and transformers, lighting ballasts, hydraulic fluids, heat exchange fluids, lubricants, inks, sealants, adhesives and surface coatings since development in 1929. PCB production was banned in the U.S. in 1979 due to health and environmental hazards. Under the Toxic Substances Control Act (TSCA), as outlined in Title 40 of the Code of Federal Regulations (CFR) Part C, 761, the owners of PCB containing equipment are responsible for environmental impairment and liabilities caused by leakage of PCBs to the environment.

No equipment with the potential to contain PCBs was observed during the site reconnaissance.

5.7 Drains and Sumps

No evidence of drains or sumps was observed during the site reconnaissance.

5.8 Pits, Ponds, and Lagoons

No obvious evidence of pits, ponds or lagoons used for waste treatment or disposal was observed or reported during the site reconnaissance.

5.9 Stained Soil / Pavement

No obvious evidence of stained soil was noticed during the site reconnaissance.

5.10 Stressed Vegetation

No obvious areas of stressed vegetation were observed on the site.

5.11 Waste Generation, Storage, and Disposal

No obvious evidence of improper waste generation or storage was observed during the site reconnaissance.

5.12 Waste Water

No obvious evidence of process waste water discharge into a drain, ditch, or stream was observed on the subject property during the site reconnaissance.

5.13 Wells

No wells were observed or reported on the subject property. The EDR Physical Settings map identified no wells on the subject property.

5.14 Septic Systems

No septic systems were observed or reported on the subject property.

6.0 INTERVIEWS

The following interviews were conducted during the assessment in an effort to obtain information indicating potential RECs in connection with the subject property.

6.1 Property Representative

Based on historical and regulatory documentation utilized throughout this assessment, no interviews were made with property representatives throughout the course of this assessment.

6.2 Occupants

The subject property is unoccupied.

6.3 Local Government Officials

Hopkins County PVA records and the Kentucky Department for Environmental Protection were utilized as part of this assessment.

7.0 NON-SCOPE CONSIDERATIONS

The following sections address environmental issues or conditions on the subject property that are outside the scope of ASTM E1527-21. Substances or materials may be present on the subject property that may lead to contamination of the subject property but are not defined by CERCLA as hazardous substances.

7.1 Asbestos Containing Materials (ACMs)

Asbestos is a general term for a group of fibrous minerals (primarily chrysotile, amosite and crocidolite) that have long been used as fireproof insulation and as a strengthener in pipe insulation, roofing tiles, floor tiles, wall coverings and other materials. Undisturbed asbestos-containing material (ACM) is not dangerous; however, when ACM is broken or torn, as during remodeling or demolition, the fibers can be spread into the air, especially if the material is friable. A friable material, by definition, is one that can be crushed, crumbled, pulverized, or reduced by hand pressure when dry. Due to health hazards, ACM use has been phased out since approximately 1978. The U.S. EPA classifies ACM as any material which contains more than 1% asbestos by Polarized Light Microscopy (PLM) analysis.

No structures currently exist; therefore, the presence of ACM is unlikely to exist. No survey was completed.

7.2 Lead-Based Paint (LBP)

Use of lead in household paint was banned by the U.S. EPA effective January 1, 1978. The U.S. EPA and the U.S. Department of Housing and Urban Development (HUD) define lead-based paint (LBP) as any paint that contains 1.0 mg/cm² or higher of lead by x-ray fluorescence (XRF) analysis or 0.5% (5,000 ppm) lead by weight.

No structures currently exist; therefore, the presence of LBP is considered unlikely. No survey was completed.

7.3 Undefined Emerging Contaminants

"Emerging contaminants" (ECs) are substances not currently defined as hazardous under CERCLA, that non-environmental professionals and others may assume to be "hazardous." ECs include biologically derived by-products such as methane and substances about which human understanding is evolving, such as per and polyfluoralkyl substances (PFAS).

No specific sources of biologically derived by-products or PFAS were identified from the site reconnaissance or review of historical and radius data.

8.0 USER PROVIDED INFORMATION

In accordance with the ASTM E1527-21 and AAI standards, the user of this ESA, Wabuck Development Group (the Client), may obtain information through other due diligence activities associated with the pending property transaction that could help identify the possibility of potential environmental conditions in connection with the subject property. A copy of the completed AAI questionnaire is included in **Appendix E**.

8.1 Environmental Liens or Activity and Use Limitations

The Client reported no information regarding environmental liens or use limitations in connection with the subject property.

8.2 Common/Specialized Knowledge or Experience

The Client reported no information regarding common/specialized knowledge or experience relative to the subject property.

8.3 Reasons for Significantly Lower Purchase Price

The Client reported that the purchase price reasonably reflects the fair market value of the property.

9.0 DATA GAPS

No data gaps as defined by ASTM E1527-21, (i.e. considered to have significantly affected the ability to identify recognized environmental conditions in connection with the subject property) were identified during completion of this assessment. A site owner was not provided for interview. However, based on the available information and the site being undeveloped, LFI does not consider this to be a significant data gap.

10.0 FINDINGS AND OPINIONS

The following summarizes known or suspected RECs, HRECs, CRECs, *de minimis* conditions, and non-scope environmental conditions in connection with the subject property based on information collected during the assessment. For each condition, LFI provides an opinion of the impact on the site based on an evaluation of the results of record reviews, site reconnaissance work and interviews performed as part of this assessment. LFI also provides a rationale for concluding that an environmental condition is or is not a REC.

Recognized Environmental Conditions (REC)

This assessment has revealed no evidence of RECs in connection with the subject property.

Historical Recognized Environmental Conditions (HREC)

This assessment has revealed no evidence of HRECs in connection with the subject property.

Controlled Recognized Environmental Conditions (CREC)

This assessment has revealed no evidence of CRECs in connection with the subject property.

De Minimis Conditions

No de minimis conditions were observed in connection with the subject property.

Non-Scope Environmental Conditions

No non-scope environmental conditions were observed in connection with the subject property.

11.0 CONCLUSIONS AND RECOMMENDATIONS

LFI has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-21 of the property located at 445 Browning Street in Madisonville, Kentucky, the subject property. Any exceptions to, or deletions from, this practice were described in this report. This assessment has revealed no evidence of *recognized environmental conditions* in connection with the property. Therefore, no further assessment is recommended.

12.0 CERTIFICATION OF ENVIRONMENTAL PROFESSIONAL

LFI has the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in §312.10 of this part.

Charles Bacher	July 22, 2024
Environmental Professional	Date

13.0 REFERENCES

Environmental Data Resources, Inc. *The EDR Radius Map Report Harper Village, 445 Browning Street Madisonville, KY 42431. Inquiry Number: 7679837.2s.* June 12, 2024.

Environmental Data Resources, Inc. EDR Historical Topographic Map Report Harper Village, 445 Browning Street Madisonville, KY 42431. Inquiry Number: 7679837.4. June 12, 2024.

Environmental Data Resources, Inc. EDR Aerial Photo Decade Package Harper Village, 445 Browning Street Madisonville, KY 42431. Inquiry Number: 7679837.8. June 13, 2024.

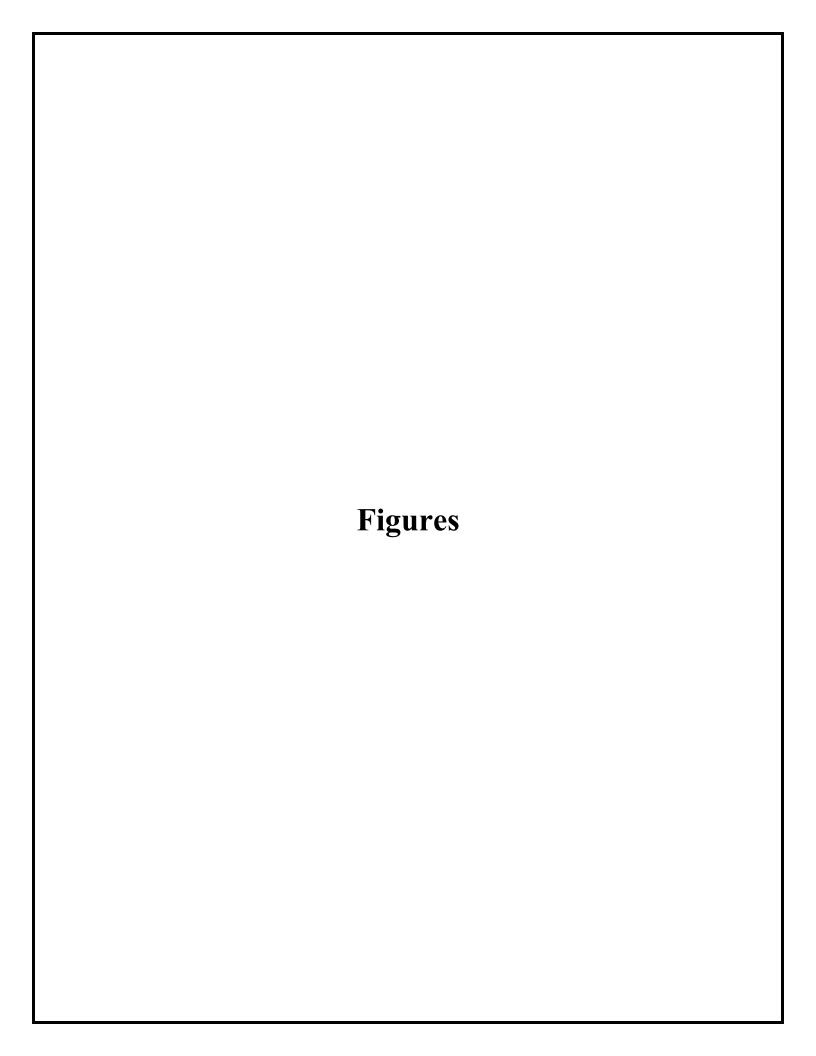
Environmental Data Resources, Inc. Certified Sanborn Map Report Harper Village, 445 Browning Street Madisonville, KY 42431. Inquiry Number: 7679837.3. June 12, 2024.

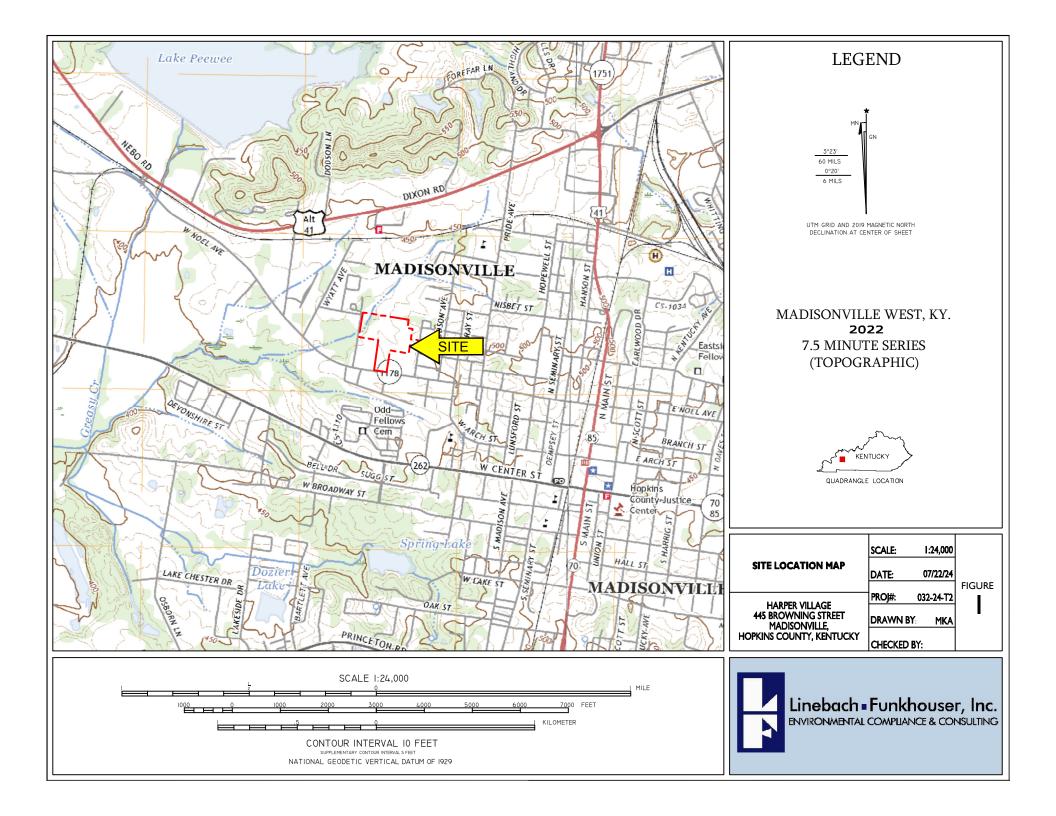
July 22, 2024 LFI Project No.: 032-24 T2

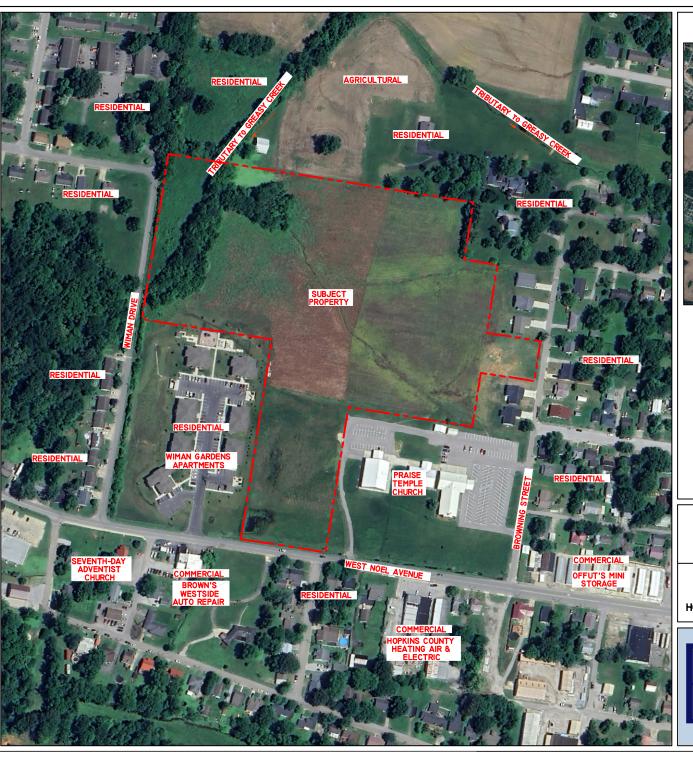
Environmental Data Resources, Inc. EDR City Directory Image Report Harper Village, 445
Browning Street Madisonville, KY 42431. Inquiry Number: 7679837.5. June 15, 2024.

Hopkins County PVA 2024.

Kentucky Department of Environmental Protection.







LEGEND



PROPERTY BOUNDARY





SOURCE: Google Earth, Imagery Date: May 16, 2023.

AERIAL PHOTOGRAPH
SHOWING
SITE AND VICINITY
SITE AND VICINITY

07/22/24 DATE: PROJ#:

SCALE:

FIGURE

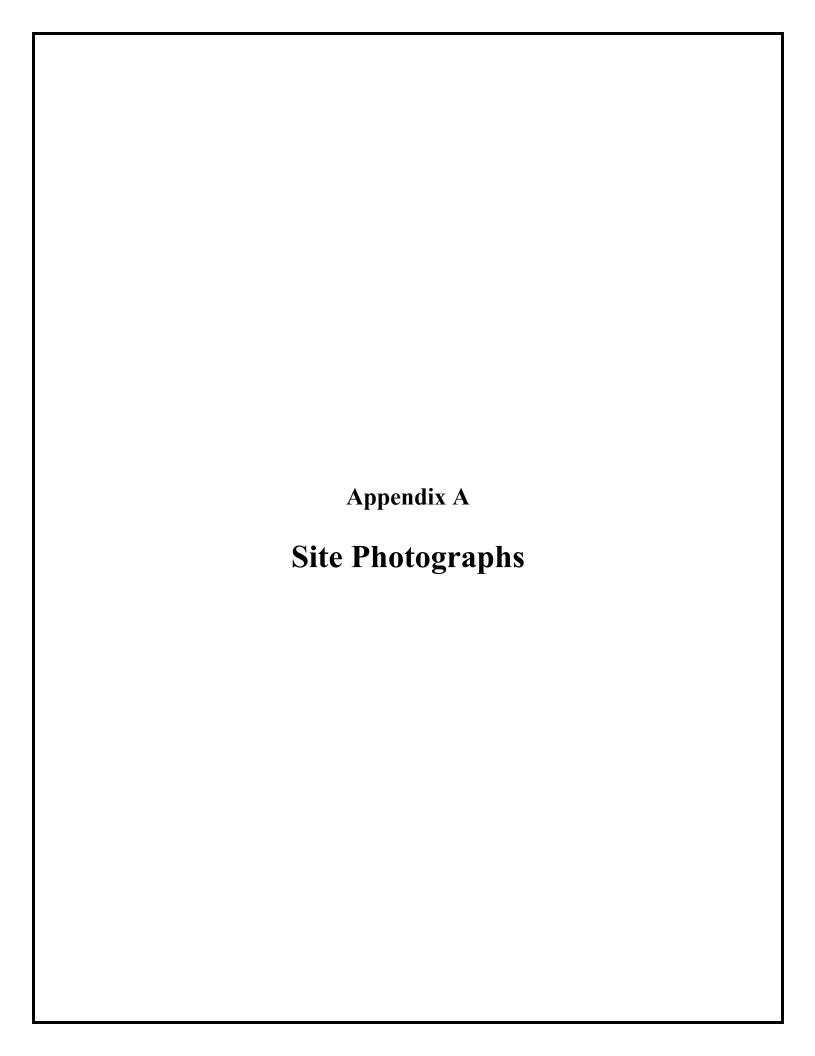
HARPER VILLAGE 445 BROWNING STREET MADISONVILLE, HOPKINS COUNTY, KENTUCKY

032-24-T2 DRAWN BY: MKA

1"=300'

CHECKED BY:







Photographic Record

Client: Wabuck Development Group Site Name: Proposed Harper Village

Project Number: 032-24 T2 Site Location: 445 Browning Street Madisonville, KY

Photo Number:

1

Photographer:

Jason Boston

Date:

June 23, 2024

Direction:

East

Comments:

View of adjoining church property.



Photo Number:

2

Photographer:

Jason Boston

Date:

June 23, 2024

Direction:

Northeast

Comments:

View across Browing Street.





Photographic Record

Client: Wabuck Development Group Site Name: Proposed Harper Village

Project Number: 032-24 T2 Site Location: 445 Browning Street Madisonville, KY

Photo Number:

3

Photographer:

Jason Boston

Date:

June 23, 2024

Direction:

North

Comments:

View of the eastern portion of the subject property.



Photo Number:

4

Photographer:

Jason Boston

Date:

June 23, 2024

Direction:

West

Comments:

View toward the adjoining apartment complex.





Photographic Record

Client: Wabuck Development Group Site Name: Proposed Harper Village

Project Number: 032-24 T2 Site Location: 445 Browning Street Madisonville, KY

Photo Number:

5

Photographer:

Jason Boston

Date:

June 23, 2024

Direction:

South

Comments:

View of the southern portion of the subject property.



Photo Number:

6

Photographer:

Jason Boston

Date:

June 23, 2024

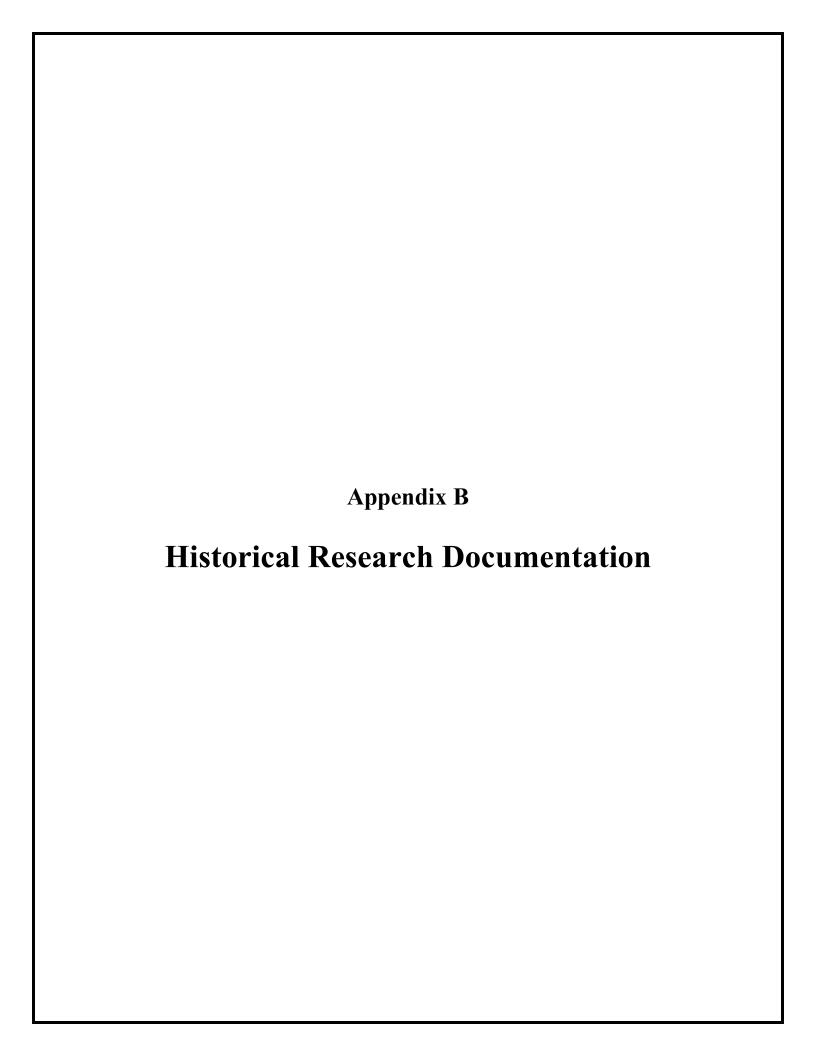
Direction:

Southwest

Comments:

View across W. Noel Avenue.





Harper Village 445 Browning Street Madisonville, KY 42431

Inquiry Number: 7679837.4

June 12, 2024

EDR Historical Topo Map Report

with QuadMatch™



EDR Historical Topo Map Report

06/12/24

Site Name: Client Name:

Harper Village 445 Browning Street Madisonville, KY 42431 EDR Inquiry # 7679837.4 Linebach Funkhouser Inc. 114 Fairfax Ave Louisville, KY 40207 Contact: Eric Altobellis



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Linebach Funkhouser Inc. were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:		Coordinates:	Coordinates:	
P.O.#	032-24 Task 2	Latitude:	37.336643 37° 20' 12" North	
Project:	Harper Village	Longitude:	-87.513446 -87° 30' 48" West	
-	. •	UTM Zone:	Zone 16 North	
		UTM X Meters:	454517.62	
		UTM Y Meters:	4132341.94	
		Elevation:	432.58' above sea level	

Maps Provided:

2022

2019

2016

2013

1962, 1963

1954

1909

1907

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2022 Source Sheets



Madisonville West 2022 7.5-minute, 24000



Madisonville East 2022 7.5-minute, 24000

2019 Source Sheets



Madisonville West 2019 7.5-minute, 24000



Madisonville East 2019 7.5-minute, 24000

2016 Source Sheets



Madisonville West 2016 7.5-minute, 24000



Madisonville East 2016 7.5-minute, 24000

2013 Source Sheets



Madisonville West 2013 7.5-minute, 24000



Madisonville East 2013 7.5-minute, 24000

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1962, 1963 Source Sheets



Madisonville West 1962 7.5-minute, 24000 Aerial Photo Revised 1962



Madisonville East 1963 7.5-minute, 24000 Aerial Photo Revised 1950

1954 Source Sheets



Earlington 1954 15-minute, 62500 Aerial Photo Revised 1952

1909 Source Sheets



Madisonville 1909 15-minute, 62500



Earlington 1909 15-minute, 62500

1907 Source Sheets



Earlington 1907 15-minute, 48000

SW

S

NW N NE
TP, Madisonville West, 2022, 7.5-minute
E, Madisonville East, 2022, 7.5-minute

E

SITE NAME: Harper Village
ADDRESS: 445 Browning Street

0.25

0 Miles

Madisonville, KY 42431

CLIENT: Linebach Funkhouser Inc.

0.5



1.5

SW

S

W

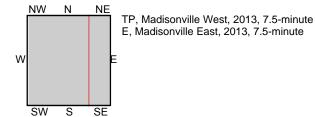
SW

S

Madisonville, KY 42431

CLIENT:

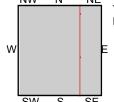
Linebach Funkhouser Inc.



SITE NAME: Harper Village ADDRESS: 445 Browning Street

Madisonville, KY 42431

CLIENT: Linebach Funkhouser Inc.



TP, Madisonville West, 1962, 7.5-minute E, Madisonville East, 1963, 7.5-minute

0 Miles 0.25 0.5 1 1.5

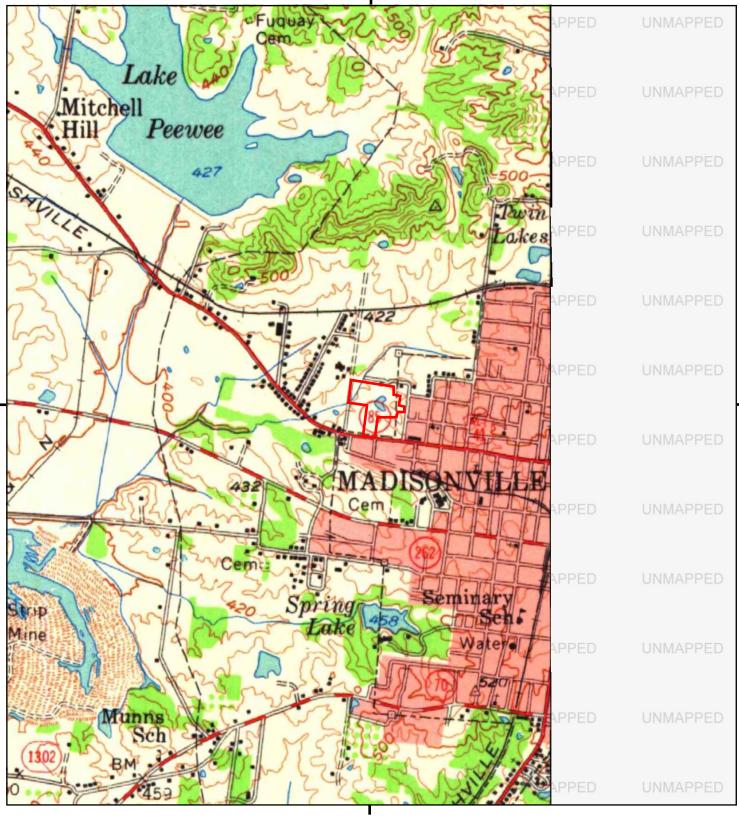
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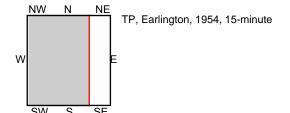
Madisonville, KY 42431

CLIENT: Linebach Funkhouser Inc.









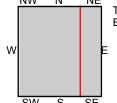
0 Miles 0.25 0.5 1 1.5

SITE NAME: Harper Village ADDRESS: 445 Browning Street

Madisonville, KY 42431

CLIENT: Linebach Funkhouser Inc.





TP, Earlington, 1909, 15-minute E, Madisonville, 1909, 15-minute

SITE NAME: Harper Village
ADDRESS: 445 Browning Stree

0.25

0 Miles

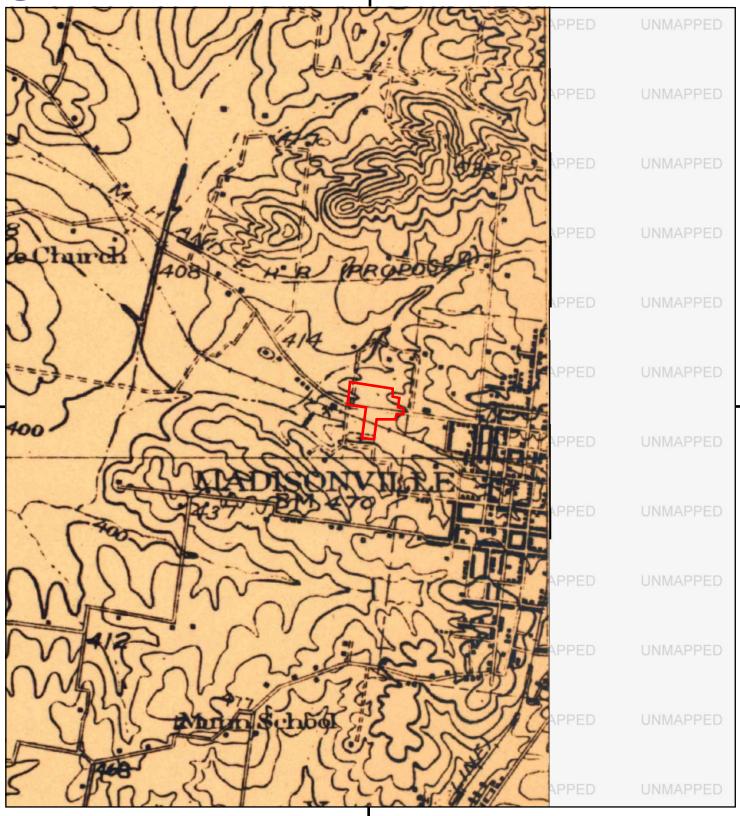
445 Browning Street Madisonville, KY 42431

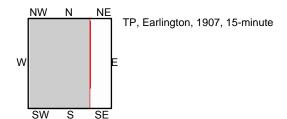
CLIENT: Linebach Funkhouser Inc.

0.5

1.5







0 Miles 0.25 0.5 1.5

> SITE NAME: Harper Village 445 Browning Street ADDRESS:

Madisonville, KY 42431

Linebach Funkhouser Inc. CLIENT:



Harper Village

445 Browning Street Madisonville, KY 42431

Inquiry Number: 7679837.8

June 13, 2024

The EDR Aerial Photo Decade Package



EDR Aerial Photo Decade Package

06/13/24

Site Name: Client Name:

Harper Village Linebach Funkhouser Inc.
445 Browning Street 114 Fairfax Ave
Madisonville, KY 42431 Louisville, KY 40207



Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Contact: Eric Altobellis

Search Results:

EDR Inquiry # 7679837.8

Year	Scale	Details	Source
			
2020	1"=500'	Flight Year: 2020	USDA/NAIP
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2008	1"=500'	Flight Year: 2008	USDA/NAIP
1998	1"=500'	Acquisition Date: April 02, 1998	USGS/DOQQ
1993	1"=500'	Flight Date: March 09, 1993	USGS
1983	1"=500'	Flight Date: March 14, 1983	USDA
1969	1"=500'	Flight Date: March 31, 1969	USGS
1962	1"=500'	Flight Date: March 23, 1962	USGS
1952	1"=500'	Flight Date: February 26, 1952	USGS
1950	1"=500'	Flight Date: April 01, 1950	USGS

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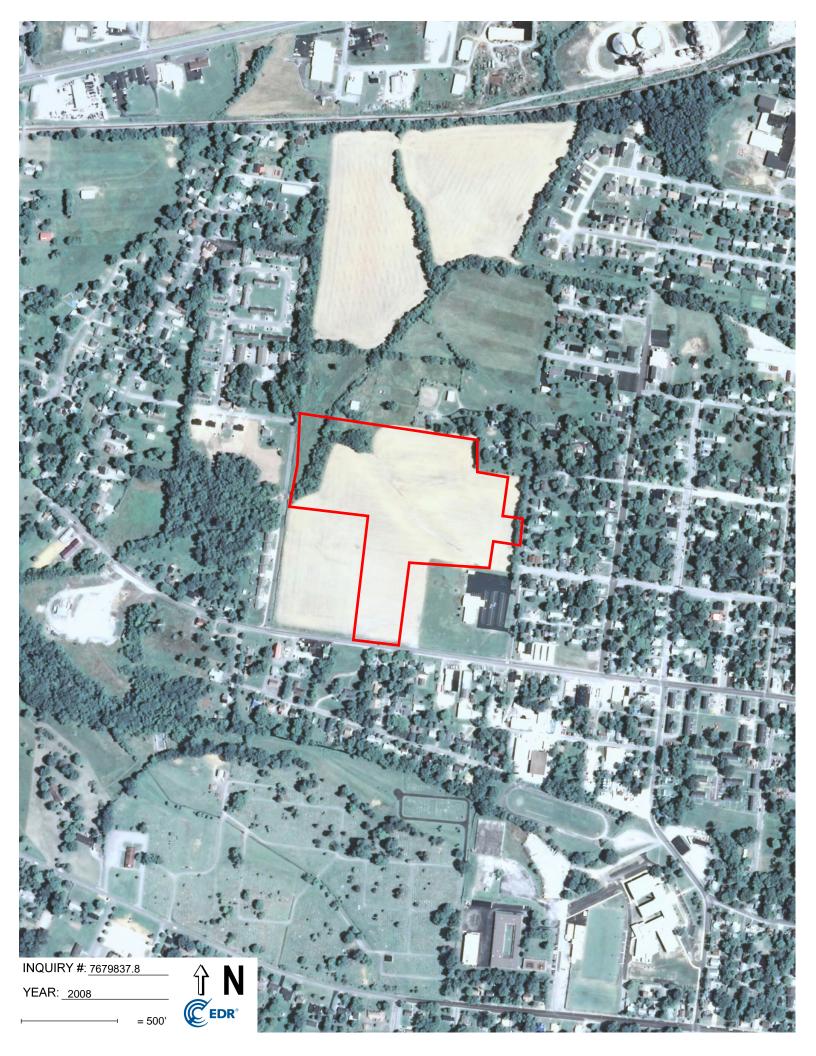
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Harper Village 445 Browning Street Madisonville, KY 42431

Inquiry Number: 7679837.3

June 12, 2024

Certified Sanborn® Map Report



6 Armstrong Road, 4th floor Shelton, CT 06484 Toll Free: 800.352.0050 www.edrnet.com

Certified Sanborn® Map Report

06/12/24

Site Name: Client Name:

Harper Village Linebach Funkhouser Inc.
445 Browning Street 114 Fairfax Ave
Madisonville, KY 42431 Louisville, KY 40207
EDR Inquiry # 7679837.3 Contact: Eric Altobellis



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Certified Sanborn Results:

Certification # FE6D-4F44-9E15
PO # 032-24 Task 2
Project Harper Village

UNMAPPED PROPERTY

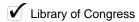
This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.



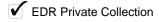
Sanborn® Library search results

Certification #: FE6D-4F44-9E15

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✓ University Publications of America



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Harper Village 445 Browning Street Madisonville, KY 42431

Inquiry Number: 7679837.5

June 15, 2024

The EDR-City Directory Image Report

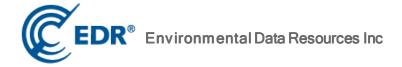


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Thank you for your business.

Please contact EDR at 1-800-352-0050 with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available business directory data at approximately five year intervals.

RECORD SOURCES

The EDR City Directory Report accesses a variety of business directory sources, including Haines, InfoUSA, Polk, Cole, Bresser, and Stewart. Listings marked as EDR Digital Archive access Cole and InfoUSA records. The various directory sources enhance and complement each other to provide a more thorough and accurate report.

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

<u>Year</u>	Target Street	Cross Street	<u>Source</u>
2020	$\overline{\checkmark}$		EDR Digital Archive
2017	$\overline{\checkmark}$		Cole Information
2014	$\overline{\checkmark}$		Cole Information
2010	$\overline{\checkmark}$		Cole Information
2005	$\overline{\checkmark}$		Cole Information
2000	$\overline{\checkmark}$		Cole Information
1995	$\overline{\checkmark}$		Cole Information
1992	$\overline{\checkmark}$		Cole Information
1967		\square	Mullin-Kille's City Directory

FINDINGS

TARGET PROPERTY STREET

445 Browning Street Madisonville, KY 42431

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
BROWNIN	<u>G ST</u>	
2020	pg A1	EDR Digital Archive
2017	pg A6	Cole Information
2014	pg A9	Cole Information
2010	pg A13	Cole Information
2005	pg A16	Cole Information
2000	pg A20	Cole Information
1995	pg A23	Cole Information
1992	pg A27	Cole Information
1967	pg A30	Mullin-Kille's City Directory

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FINDINGS

CROSS STREETS

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
W NOEL AVE		
2020	pg.A2	EDR Digital Archive
2017	pg. A7	Cole Information
2014	pg. A10	Cole Information
2010	pg. A14	Cole Information
2005	pg. A17	Cole Information
2000	pg. A21	Cole Information
1995	pg. A24	Cole Information
1992	pg. A28	Cole Information
1967	pg. A31	Mullin-Kille's City Directory
1967	pg. A32	Mullin-Kille's City Directory
1967	pg. A33	Mullin-Kille's City Directory

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Target Street Cross Street Source

→ EDR Digital Archive

342	BONNIE LAROY	
	THOMAS QUALLS	
400	JIMMIE WATTS	
424	MELODY RICE	
	RENAE RICE	
434	FRANK GAITHER	
	SHARON GAITHER	
452	ANNETTE BAUCUM	
460	ADA PHELPS	
	DUDLEY PHELPS	
	FRANK PHELPS	
510	PATRICIA DAVIS	
601	BONNIE KINGTON	
	ELLEN KINGTON	
	HAYES KINGTON	
	SARAH KINGTON	
	WILLIAM KINGTON	
631	KATHERINE KINGTON	

Target Street Cross Street Source
- Source EDR Digital Archive

		_
34	EMILY ZIMMERMAN	
34	MAYBELLE SIZEMORE	
	NATASHA BROWN	
	PERNEICIA SIZEMORE	
39	CAROL SCHWARTZLOSE	
39	DAWN SCHWARTZLOSE	
	LARRY SCHWARTZLOSE	
	MARISSA SCHWARTZLOSE	
47	ALEXIS HIBBS	
41	JOSEPH SCHWARTZLOSE	
	MELISSA SCHWARTZLOSE	
50	BRENDA GRACE	
30	HAYLEE GRACE	
	JANIE KILLOUGH	
	JOHN GRACE	
107	DOUGLAS BLOEDORN	
	ERIC MILLER	
	HEATHER FRASHER	
	PAMELA MILLER	
	PAMELA SIMS	
108	ASHLEY OLDHAM	
	JESSICA DEMOSS	
	SEAN SCHROADER	
114	KARI HOLT	
	LANDON HOLT	
	TRISTIN HOLT	
	ZACH LAWLESS	
118	AMANDA MERRELL	
	DEBRA VANKIRK	
	JEFFREY BREWER	
	JIMMY BREWER	
	LISA LYNN	
127	DANIEL ROGERS	
128	CURTIS MASSEY	
454	KRISTA MASSEY	
154	MELODY HIGHTOWER	
	PATRICIA BUCKALEW	
047	RONALD JONES	
217 234	JEFFREY BROWNING	
234	JUDY EDEN	
235	MARK EDEN DONALD REID	
233	GENE REID	
242	LEIGHA LARKINS	
4 +4	MECHELE HALL	
243	CONNIE ADKINS	
243 248	BARRY TRAVIS	
270	CAROLYN CLAYTON	
	DELORES EDWARDS	
	JERRY CLAYTON	

W NOEL AVE 2020 (Cont'd)

	WINOLLAVL	2020	(Cont a)	
0=4	050005 01111 1100			
254	GEORGE PHILLIPS			
283	MEGAN WEGRZYNOWICZ			
	NANETTE CARNEY			
	RALPH CARNEY			
284	BERNARD HARTFORD			
	EMERSON HARTFORD			
	MARY HARTFORD			
291	JEWELL STAFFORD			
	JOHN STAFFORD			
	LORETTA STAFFORD			
294	KIMBERLY FULKERSON			
	MILDRED STRADER			
297	MARK RICHARDSON			
	VICKI ODOM			
303	YONG ZHENG			
315	BARRY KIRKWOOD			
	CONNIE KIRKWOOD			
340	VAN AUSTIN			
357	LUDELLA GRINSTEAD			
	VALERIE HALEY			
401	COLETTE RODGERS			
414	LINDA GUINN			
415	RACHEL PIERPONT			
420	AMBER BROWN			
	JASON BROWN			
	KERRI LINDSEY			
438	KENDRA YOUNG			
443	SAMANTHA HUSKEY			
	TONNETTE HUSKEY			
600	ATM			
	QUALITY QUICK CONVENIENT STORE			
603	TGE WESTSIDE LIQUORS			
613	SARAH CURRY			
621	SALIM GOWANI			
	SHABANA GOWANI			
627	JOHN WOOTEN			
	MISTY WOOTEN			
	REBECCA WOOTEN			
633	DORRIS BROWNING			
	GLENN MILLER			
	MARTHA MILLER			
672	OPAL PARKER			
	ROBERT VANDIVER			
674	JIMMY GIPSON			
	MICHAEL WAGNER			
	PAULA WAGNER			
685	DAVID ANDERSON			
708	ALEXIS STAFFORD			
714 725	KRYSTAL BRINKLEY CINDI COOK			

Target Street Cross Street Source
- Source EDR Digital Archive

W NOEL AVE 2020 (Cont'd)

	,
730	HOPKINS COUNTY HEAT AIR & ELEC
730	WESLEY ARISON
744	CHARLES HOSKINS
7	ERICA PHARRIS
746	AMBER OWENS
740	JACOB OWENS
750	CARL SIGLER
730	THERESA VAUGHN
766	JAMES HILL
820	BROWN'S WESTSIDE AUTO REPAIR
905	SEVENTH DAY ADVENTIST CHURCH
925	AMERIGAS PROPANE EXCHANGE
320	DOLLAR GENERAL
	WESTERN UNION AGENT LOCATION
930	JORDAN SAMPSON
948	MARY MUSTAFA
949	HOPKINS COUNTY STONE
952	CANDICE HOWARD
002	FRANK SAMBOL
	LARRY KINNEY
	MELDON UTLEY
1010	BRANDON AYSTIN
1083	BETTY PEYTON
1111	ELIZABETH PHILLIPS
	JAMES YECKERING
	LARRY CARROLL
	SETH CARROLL
	TONY PHILLIPS
1139	ANGELA FULKERSON
	CHARLENE JESSIE
	ERICA BURDEN
	RYAN BURDEN
1140	MADISONVILLE-RESTORATION CHR
1152	DANIEL ROBERTS
	JAMES TYRA
	VANESSA TYRA
1155	WILLIAM NASH
1170	ELAINE TRUDEAU
1188	AMANDA SKEEN
	BOBBY SKEEN
	CAROLINE SKEEN
1190	EDWARD BROWN
	RICKY CARTER
	SHARON LANE
1209	MARY POLLEY
1223	KELLY MCCURRY
	SAMUEL DENNY
1224	JEFF GRIFFEY
	TIMOTHY GRIFFEY
	VALERIE GRIFFEY

Target Street Cross Street Source
- Source EDR Digital Archive

W NOEL AVE 2020 (Cont'd)

1235	TRACE INDUSTRIES INC
1305	
1320	• •
1370	DAYDREAM FARM
1375	ANN WAGONER
	DEBORAH WAGONER
	STEPHEN WAGONER
1385	JEFFREY GRIFFEY
1409	MICHAEL HOLMES
	VADA HOLMES
1417	GLADYS GIBSON
	PEGGY FERRELL
1425	CLIFTON ALEXANDER
	DELORES ALEXANDER
1429	LARENCE DAY
	SHARON DAY
1433	SUSAN GREGORY
1455	CHRISTY HENLEY
	JAMES HENLEY
1495	ARTHUR ULFIG
	SHADOWE COCHRAN
1501	NEW LIFE SANCTUARY CORF
	ROBERT DEVINE
1505	ANTHONY DISANTI
	BRITTANY THOMAS
	CHAD THOMAS
	KATHRYN DISANTI
	MICHELLE DISANTI
	TAMMY THOMAS
1532	ETHAN NUNN
	MISTY CAVANAUGH

	BROWNING S	SI 2017	
342 400 408 424 434 440 500 510 601	QUALLS, THOMAS L WATTS, JIMMIE D METCALFE, JENNIFER RICE, MELODY R GAITHER, FRANK L ROBERTSON, STEVEN P WILSON, RICKY R CARTER, CHARLES E KINGTON, HAYES H		

Target Street

Cross Street

Source Cole Information

	77.110127.112
31	STANLEY, SANDY L
34	SIMEZEMORE, MAYBELLE
39	SCHWARTZLOSE, LARRY I
47	SCHWARTZLOSE, JOSEPH L
50	GRACE, JOHN
107	SMITH, TROY D
108	MORSE, COURTNEY
118	NORRIS, CLIFFORD D
127	ROGERS, WILMA G
128	MASSEY, CURTIS C
154	WILLIAMS, ANDREA E
170	HARLEY, ROBERTA
234	EDEN, MARK T
235	REID, GENE G
242	LARKINS, JOSEPH P
243	ADKINS, CONNIE
251	EDEN, JOHNNY
254	LEWIS, LISA R
283	CARNEY, RALPH K
284	HARTFORD, EMERSON E
291	STAFFORD, JOHN E
294	STRADER, RONDALL K
297	ODOM, VICKI L
315	SHUTT, PEARLA J
357	HALEY, LEAH
398	GEORGIAS CREATION LLC
414	GUINN, KAY
415	PIERPONT, RACHEL
420	BROWN, JASON D
423	ROBINSON, TINA
429	GARCIA, SUSAN R
438	YOUNG, KENDRA
443	HUSKEY, SAMUEL K
444	HURT, CYNTHIA
451	A LIL TASTE OF CHICAGO
509	WHITSELL, RHENEA
521	ROSEY, JERMAINE
600	QUALITY QUICK CONVENIENT STORE 7
603	TGE WESTSIDE LIQUORS
626	CURTISS AUTO DETAIL & BODY SHOP
627	WOOTEN, JOHN W
633	MILLER, GLENN T
672	PARKER, DANNY L
	VANDIVER, ROBERT A
674	GIPSON, JIMMY E
680	BARNES, KRISTA
694	ANDERSON, DIANA S
708	DRAKE, ALEX
714	LIPSCOMB, STEVE O
725	PRAISE TEMPLE APOSTOLIC CHURCH

> W NOEL AVE (Cont'd) 2017

730	HOPKINS COUNTY HEAT AIR & ELECTRICAL
744 750	BOWLES, ANTHONY R HEER, ASHLEY
	•
766	KELLY, MARK P
820	SHARKEYS WESTSIDE SERVICE INC SEVENTHDAY AVENTIST CHURCH
905	
920	HUDDLESTON, PETE W SAMPSON, JORDAN
930	•
948	VERON, MILDRED S
949 952	HOPKINS COUNTY STONE KINNEY, LARRY W
	GROVES, MIKE
993 1104	HOWELL, DONNIE L
1111	BYRD, WYNONA E
1119	TURNER, SHIRLEY M
1152	TYRA, JAMES W
1155	NASH, WILLIAM C
1162	JOHNSON, JAMES A
1170	TRUDEAU, FLOYD
1170	LANE, CHRISTOPHER D
1209	POLLEY, EVERETT F
1223	BEARDEN, CLINT J
1223	GRIFFEY, TIMOTHY
1235	PENNYROYAL CENTER
1200	PENNYROYAL MENTAL HEALTH CENTER
1320	BEAL, CHARLES E
1370	DAY, MINNIE B
1375	WAGONER, STEVE E
1417	STONE, NORRIS W
1425	ALEXANDER, CLIFTON L
1429	DAY, BRADLEY L
1433	GREGORY, SUSAN E
1455	HENLEY, JAMES C
1495	COCHRAN, SHADOWE
1501	BREEZE PLACE
1503	FIRST LINE FIRE EXTINGUISHER
1505	BARDELL, MICHAEL T
4500	EMEDOON VENUO

1505 1532

EMERSON, VENUS

	BROWNING ST 2014
330	OCCUPANT UNKNOWN,
342	QUALLS, THOMAS L
400	WATTS, JIMMIE D
408	FOSTER, SHEILA
424	RICE, MELODY R
434	GAITHER, L F
439	BROWN, PRISCILLA J
440	ROBERTSON, STEVEN P
452	RUDD, HILDA D
460	OCCUPANT UNKNOWN,
500	WILSON, THOMAS R
510	CARTER, CHARLES E
601	KINGTON, HAYES H
631	KINGTON, CHARLES A

Target Street

Cross Street

<u>Source</u>

Cole Information

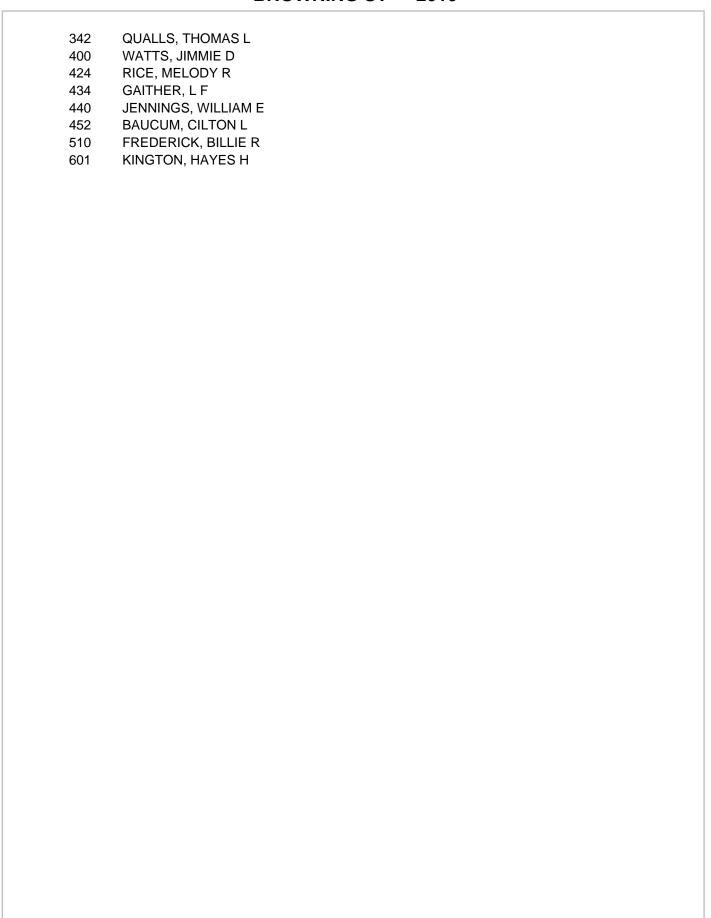
0.4	OTANII EV OANIDYI
31	STANLEY, SANDY L
34	BROPHY, BRIAN E
39	SCHWARTZLOSE, LARRY I
42	OCCUPANT UNKNOWN,
47	HIBBS, HEATH
50	GRACE, JOHN
107	SMITH, TROY
108	OLDHAM, DEBBI
114	LAWLESS, ZACHARY
117	OCCUPANT UNKNOWN,
	BREWER, JIMMY R
118	
127	ROGERS, DANIEL A
128	MASSEY, CURTIS C
154	JOHNSON, MARQUISE
170	HARLEY, ROBERTA
217	BROWNING, JEFF D
234	EDEN, JAMES A
235	REID, GENE G
242	HALL, MECHELE N
243	HIBBS, LINDA
248	MITCHELL, FORMEKA
251	OCCUPANT UNKNOWN,
254	LEWIS, LISA R
260	CARPENTER, DELIALAH
262	MATCHEM, HILDA
_	-
283	CARNEY, RALPH K
284	HARTFORD, EMERSON E
291	STAFFORD, JOHN E
294	FULKERSON, KIMBERLY J
297	RICHARDSON, MARK R
303	RATCLIFF, CHERY L
315	MORRIS, ERIC L
	·
322	BUCHANAN, DEBBIE
357	GRINSTEAD, LUDE
	HALEY, VALERIE L
398	GEORGIAS CREATION LLC
414	GUINN, KAY
415	PIERPONT, RACHEL
420	LINDSEY, OWEN M
423	OCCUPANT UNKNOWN,
	•
429	GARCIA, SUSAN R
437	GRAY, ALICIA D
438	YOUNG, KENDRA
443	HUSKEY, SAMUEL W
444	JOHNSON, MIKE
473	MCCRADY, KAYLAN
509	WHITSELL, RHENEA
521	-
	ROSEY, JERMAINE
533	OCCUPANT UNKNOWN,
557	SCOTT, LEAH

W NOEL AVE 2014 (Cont'd)

	,
000	OLIALITY OLIIOK CONVENIENT CTORE 7
600	QUALITY QUICK CONVENIENT STORE 7
603	TGE WESTSIDE LIQUORS
613	WEAVER, LISA R
626	CURTISS AUTO DETAIL & BODY SHOP
627	WOOTEN, JOHN W
633	MILLER, GLENN T
672	OCCUPANT UNKNOWN,
	PARKER, DANNY L
	VANDIVER, ROBERT A
674	GIPSON, JIMMY E
676	WOOTEN, BECKY
680	MOORE, AMANDA
686	OCCUPANT UNKNOWN,
694	ANDERSON, BRYAN S
708	OCCUPANT UNKNOWN,
725	PRAISE TEMPLE APOSTOLIC CHURCH
730	HOPKINS COUNTY HEAT AIR & ELECTRIC
744	PHARRIS, ERICA L
746	OCCUPANT UNKNOWN,
750	MOORE, JERRY
758	EDGAR, JEFFREY D
766	QUALLS, ROBERT J
820	SHARKEYS WESTSIDE SERVICE INC
905	SEVENTHDAY AVENTIST CHURCH
915	PEYTON, GARY W
920	OCCUPANT UNKNOWN,
930	OCCUPANT UNKNOWN,
949	HOPKINS COUNTY STONES
952	NEISZ, MELANIE M
975	MARSH SAND & GRAVEL
000	MARSH, ROCK
993	ROSS, CHRISTOPHER D
1004	JOHNSON, DALLAS
1080	HALL, LAURA E
1083	COBLE, DEBBIE S
1104	HOWELL, DONNIE L
1111	FOX, RICKY L
1119	TURNER, SHIRLEY M
1139	BURDEN, RYAN K
1141	SLATON, DONALD E
1152	OCCUPANT UNKNOWN,
1162	JOHNSON, JAMES A
1170	HARRISON, LORENE L
1188	OCCUPANT UNKNOWN,
1190	CARTER, RICKY A
1209	POLLEY, EVERETT F
1223	BEARDEN, CLINT J
1224 1235	GRIFFEY, TIMOTHY PENNYROYAL CENTERMENTAL HEALTH CLIN
1235	WAGONER, STEPHEN E
1313	WACONEN, OTEFTIEN E

W NOEL AVE 2014 (Cont'd)

1320	BEAL, CHARLES E
1370	DAY, MINNIE B
1375	WAGONER, STEVE E
1385	GRIFFEY, JAMES T
1409	HOLMES, VADA N
1417	STONE, NORRIS W
1425	ALEXANDER, CLIFTON L
1429	DAY, BRADLEY L
1433	GREGORY, SUSAN E
1455	HENLEY, JAMES C
1495	BOLDEN, JAMIE N
1503	FIRST LINE FIRE EXTINGUISHER
	PRO TECH AUTO REPAIR
	TERMINIX
1505	GIVENS, BRAD W
1532	CAVANAUGH, MISTY L
	EMERSON, VENUS



31	HERNANDEZ, NICOLE
34	BROPHY, BRIAN E
	00111440771 005 140

- 39 SCHWARTZLOSE, LARRY I
- 42 CROOK, JAMES W
- 47 PICKARD, JUDY R
- 50 GRACE, JOHN
- 107 SIMS, PAMELA J
- 108 NANCE, JONOTHAN
- 118 BREWER, JIMMY R
- 127 ROGERS, WILMA G
- 100 MACOEN CUETTO
- 128 MASSEY, CURTIS
- 164 HINES, LISA R206 WHITAKER, MICHELLE
- 227 BEENY, ANNA R
- 235 REID, GENE G
- 242 HALL, MECHELE N
- 243 HUDNALL, HASKELL P
- 260 CARPENTER, DELIALAH
- 262 MATCHEM, HILDA
- 283 CARNEY, RALPH K
- 284 HARTFORD, EMERSON E
- 291 STAFFORD, LORETTA F
- 348 DOWDY, STEVEN L
- 357 GRINSTEAD, GARRETT B
- 414 GUINN, JIMMIE
- 415 CUNNINGHAM, ZACHARIE
- 420 LINDSEY, KERRI A
- 437 GRAY, ALICIA D
- 443 HUSKEY, SAMUEL W
- 444 JOHNSON, MIKE
- 509 WHITSELL, RHENEA
- 521 ROSEY, JERMAINE
- 581 SMITH, ISRAEL L
- 602 CAMPBELL, LISA G
- 603 TGE WESTSIDE LIQUORS
- 613 CURTIS, MONTE R
- 627 WOOTEN, JOHN W
- 633 MILLER, GLENN T
- 672 PARKER, DANNY L
- 674 GIPSON, JIMMY E
- 680 MOORE, AMANDA
- 694 ANDERSON, BRYAN S
- 708 STAFFORD, ALEXIS
- 714 FARMER, LISA
- 730 HOPKINS COUNTY HEAT & AIR
- 744 BOWLES, ANTHONY R
- 746 RICE, PAUL F
- 750 MCKNIGHT, TONY E
- 758 EDGAR, JEFFREY D
- 820 SHARKEYS WESTSIDE SVC INC

W NOEL AVE 2010 (Cont'd)

905	SEVENTH DAY ADVENTIST CHURCH
915	PEYTON, GARY W
920	HUDDLESTON, DAVID
948	COMBS, FRANKLIN D
952	HOWARD, CANDICE C
975	MARSH ROCK & READY MIX LLC
	MARSH, ROCK
993	ROSS, CHRISTOPHER
1004	JOHNSON, DALLAS
1080	HALL, LAURA E
1104	HOWELL, DONNIE L
1111	CARROLL, SETH T
1119	TURNER, SHIRLEY M
1139	FULKERSON, CHARLES W
1141	SLATON, DONALD E
1152	TYRA, JAMES W
1155	WALKER, KATHY L
1162	JOHNSON, JAMES A
1170	HARRISON, EMMA L
1188	SKEEN, BOBBY D
1190	CARTER, RICKY A
1209	POLLEY, EVERETT F
1224	GRIFFEY, TIMOTHY
1303	MENTAL HEALTH CLINIC
	PENNYROYAL CTRMENTAL HEALTH
1315	WAGONER, STEPHEN E
1320	BEAL, CHARLES E
1370	DAY, MINNIE B
	DAYDREAM FARM
1375	WAGONER, STEVE E
1385	GRIFFEY, JAMES T
1417	STONE, NORRIS W
1425	ALEXANDER, CLIFTON L
1433	GREGORY, SUSAN E
1495	SULLIVAN, SIDNEY
1503	FIRST LINE FIRE EXTINGUISHER
	PROTECH AUTO REPAIR
	TERMINIX INTERNATIONAL CO
1505	GIVENS, WARREN L
1532	HOAGLAND, TROY

	DROWNING ST	2005
400	WATTS, JIMMIE D	
408	LYNN, BARRY	
424	RICE, MELODY R	
434	GAITHER, FRANK L	
440	JENNINGS, WILLIAM R	
452	GOWER, MELISSA A	
500	RICKY WILSON CONSTRUCTION INC	
510	FREDERICK, BILLIE R	
601	KINGTON, BARRY C	

Target Street

Cross Street

Source Cole Information

31	STANLEY, SANDY L
34	BROPHY, BRIAN
39	MAINSTREET TIRE AND SERVICE INC
39	SCHWARTZLOSE, LARRY I
42	CROOK, JAMES W
50	KILLO, WILLIAM
107	KROL, JAMES V
108	RICE, SHIRLEY L
114	LAWLESS, JAMES L
117	WOOLFORK, VELINDA
127	ROGERS, WILMA G
154	BROWN, JERRY
164	BIN, DARLENE M
170	WANG, GUI M
206	WHITAKER, MICHELLE
217	TYNER, ROBERT L
227	BEENY, ROBERT E
235	REID, GENE G
243	HIBBS, LORETTA
251	MACKEY, RICHARD
254	CLARK, ANGELIA
260	CISSNA, GOVANNA
262	MATCHEM, HILDA
284	HARTFORD, EMERSON E
291	STAFFORD, JEWELL T
294	STRADER, RONDALL K
303	HAYNE, NANCY S
348	MCNARY, TIFFANY
357	GRINSTEAD, GARRETT B
398	CARTER CURTIS PLUMBING ND HEATING
	CURTIS CARTER DICKIE PLUMBING & HEAT
	GEORGIAS CREATION LLC
414	ABRAMS, EUNICE
415	ANDERSON, EARLIE
420	SCOTT, DAVID E
423	B & C LAWN CARE & MAINTANCE
	VOSS, BRYAN L
429	TORRES, SERGIO
437	GRAY, ALICIA D
438	JAIME, VICTOR
443	HUSKEY, SAMUEL W
444	OGLESBY, SARAH R
509	CARNEY, MADA L
517	DAVIDSON, JACKIE
529	SEARGENT, TERRENCE
557	SCOTT, LEAH
581	BEARD, WALLACE E
602	CAMPBELL, LISA G
603	TGE WESTSIDE LIQUORS
613	CURTIS, MONTE R

W NOEL AVE 2005 (Cont'd)

		 (
626	CURTISS AUTO DETAIL & BODY SHOP	
627	WOOTEN, JOHN M	
633	BOYKIN, ANITA F	
685	A & B CYCLE	
686	MCKAY, RHONDA F	
694	BULLOCK, VIOLET M	
708	JOHNSON, BOBBY	
725	PRAISE TEMPLE APOSTOLIC CHURCH	
730	HOPKINS CNTY HTNG AIR & ELCTR	
	HOPKINS COUNTY PLUMBING & HEATING	
	HPKN CNTY HTNG AIR & ELCTRC	
744	BOWLES, ANTHONY	
750	HARNED, MATTIE B	
758	JENKINS, JOEY	
766	KELLEY, MARK C	
820	SHARKEYS WESTSIDE SERVICE INC	
905	SEVENTH DAY ADVENTIST CHURCH	
915	PEYTON, GARY W	
920	CORBIN, JOHN D	
930	GILMORE, SIDNEY	
948	GILMORE, ALAN J	
952	UTLEY, MELDON	
968	BOWLEY, MONA F	
975	MARSH, ROCK	
993	CHILDERS, JOANIE	
1004	JOHNSON, DALLAS	
1010	FRANKLIN, BRAD L	
1080	HALL, LAURA E	
1083	HARRALSON, JONATHAN C	
1104	HOWELL, DONNIE L	
1111	DEMBKOWSKI, MARK H	
1119	TURNER, SHIRLEY M	
1139	FULKERSON, CHARLES W	
1140	CHURCH OF GOD	
1152	LEEK, JIM O	
1155	GILMORE, ROBBIE D	
1162	JOHNSON, JAMES A	
1170	HARRISON, LORENE L	
1190	CARTER, RICKY A	
1223	WIMSATT, CHARLES R	
1224	GRIFFEY, LOUISE P	
1235	TRACE INDUSTRIES INC	
1320	BEAL, CHARLES E	
1370	DAY, MINNIE B	
1375	WAGONER, STEVE E	
1383	PEYTON, VICKI R	
1385	HALLUM, KIM L	
1417	HANCOCK, ADA R	
1425	ALEXANDER, CLIFTON L	
1429	HANCOCK, JESSIE C	

W NOEL AVE 2005 (Cont'd)

	W NOI	EL AVE	2005	(Cont'd)
1433 1495 1503 1505 1532	GREGORY, SUSAN STONE, LISA B TERMINIX INTERNATIONAL FUSON, FLOYD HARLEY, JENNIFER A RECTOR, KENNETH F WINSTEAD, CARLOS			

	DROWNING ST 2000
330	WHITFIELD, RON
400	WATTS, JIMMIE D
408	BAUCUM, A
424	RICE, RENAE
434	POLLEY, JETT
440	JENNINGS, WILLIAM R
452	CONDRA, A J
460	PHELPS, DUDLEY
510	FREDERICK, BILLIE R
601	KINGTON, HAYES

34	CURTIS, AMY L
39	SCHWARTZLOSE, DAWN
47	KEITH, DUSTIN S
50	SISK, WILLIAM A
107	CLAYTON, MARY E
118	MYERS, DEBORAH A
127	STEVENS, CHRISTI
128	MOORE, WILEY
164	CAMPBELL, DARLENE M
217	TYNER, ROBERT T
227	BEENY, ROBERT E
234	EDEN, MARK T
235	REID, GENE
242	KITTINGER, WALLACE
243	HUDNALL, LORETTA
248	DOWNING, JOHN B
251	BROWN, JESSIE L
254	REID, ANGELIA E
283	CARNEAL, GEORGE E
	CURNEAL, GEORGE E
284	HARTFORD, EMERSON
294	STRADER, RONDALL
297	SKINNER, LANA
312	BRYANT, ROBERT D
322	KENNEDY, WILLIAM
340	DAUGHERTY, ALICE
348	COOK, R E
351	JONES, JOE L
357	GRINSTEAD, LUDELLA
414	ABRAMS, EUNICE
415	YOUNG, JOYCE C
420	SCOTT, DAVID
429	GRIDER, CECILIA A
443	HUSKEY, SAMUEL
444	OGLESBY, SARAH R
451	FOX, AMY
517	HUNT, RICKY
557	BEARD, JAMES S
581	BEARD, WALLACE
600	POOR OLD FREDDYS
	PORE, OLE F
603	COYLE, PAUL
613	JOHNSON, LEE
621	CLARK, MEEKLE B
626	CURTISS AUTO DETAIL & BODY SHOP
627	WOOTEN, JOHN
672	FAULK, JASON
685	A & B CYCLE
700	H & J AUTO SALES
708	MCNARY, JAMES

W NOEL AVE 2000 (Cont'd)

730	HOPKINS COUNTY PLUMBING & HEATING
. 00	MARKHAM, KEN
744	BELCHER, JAMIE
746	BORN, MARTHA E
750	HARNED, MATTIE B
758	JONES, HARRY W
820	SHARKEYS WESTSIDE SERVICE INCORPORATED
905	SEVENTH DAY ADVENTIST CHURCH
968	BOWLEY, MONA F
975	MARSH ROCK & DIRT
1041	CARTER DICKIE PLUMBING & HEATING
1080	HALL, LAURA E
1083	SEIBERT, MICHAEL
1104	HOWELL, DONNIE
1111	DEMBKOWSKI, MARK H
1119	TURNER, SHIRLEY A
1125	WITTEN, DOROTHY
1139	FULKERSON, CHARLES W
1140	MIRACLE TEMPLE CHURCH OF GOD
1152	LEEK, JIM
1155	GILMORE, SIDNEY
1162	NICHOLS, PRESSLE
1170	HARRISON, LORENE
1184	BURNS, RODNEY L
1190	CARTER, RICKY
1223	WIMSATT, CHARLES R
1224	GRIFFEY, LOUISE P
1235	PENNYROYAL CENTER MENTAL HEALTH CLINIC TRACE INDUSTRIES
1303	EXCEPTICON COMMUNITY SERVICES
	MENTAL HEALTH CLINIC PENNYROYAL CENTER CLINIC
	MENTAL HEALTH CLINIC PENNYROYAL CENTER SCL CENTER
1320	BEAL, CHARLES E
1370	DAY, JAMES T
1375	EDWARDS, J P
1383	PEYTON, VICKI R
1417	HANCOCK, ADA R
1425	ALEXANDER, CLIFTON L
1429	HANCOCK, JESSIE C
1433	CROOK, HENRY
1495	HODSKINS, SUE
1503	TERMINIX INTERNATIONAL
1505	FUSON, FLOYD

	BRO	OWNING ST	1995
3 4 4 4 4 4 4 5 5	WHITFIELD, RON QUALLS, THOMAS WATTS, JIMMIE D OLDHAM, TINA OCCUPANT UNKNOWNN POLLEY, JEFF JENNINGS, WILLIAM R CONDRA, A J PHELPS, DUDLEY WILSON, RICKY FREDERICK, BILLIE R KINGTON, HAYES		

Target Street

Cross Street

<u>Source</u> Cole Information

31	BESHEAR, C E
34	LUCAS, TONY
39	OCCUPANT UNKNOWNN
42	CROOK, JAMES
	•
47 50	HOLMES, TAMARA
50	LUCAS, JOELLEN E
107	CLARK, WILLIAM D
108	OCCUPANT UNKNOWNN
114	RUDDELL, ALLEN
117	SCHWARTZ, EMILY
118	MYERS, DEBORAH A
127	STEVENS, C
128	MOORE, WILEY
139	OCCUPANT UNKNOWNN
154	FARRIS, MARVIN L
164	ARNETT, TONY
217	TYNER, ROBERT T
227	BEENY, VIRGIL
234	EDEN, MARK T
235	REID, GENE
242	KITTINGER, WALLACE
243	HIBBS, LORETTA
248	BABBS, ROY E SR
251	OCCUPANT UNKNOWNN
254	REID, A E
260	OCCUPANT UNKNOWNN
283	CARNEAL, GEORGE E
203	CURNEAL, GEORGE E
284	HARTFORD, EMERSON
	OCCUPANT UNKNOWNN
291	OCCUPANT UNKNOWNN
294	
297	SKINNER, LANA
303	STRADER, NANCY
312	BRYANT, ROBERT D
315	OCCUPANT UNKNOWNN
322	OCCUPANT UNKNOWNN
340	DAUGHERTY, ALICE
348	OCCUPANT UNKNOWNN
357	GRINSTEAD, GARRETT
	SIMMS, VALERIE
398	BEARINGS SERVICE CO
414	HUDDLESTON, GEORGE
415	STOKES, SHAWN
420	SCOTT, DAVID
429	NEWTON, MICKEY
437	POLLOCK, FLOYD M
438	OCCUPANT UNKNOWNN
443	HUSKEY, SAMUEL
444	OGLESBY, SARAH R
451	HENLEYS GROCERY

W NOEL AVE 1995 (Cont'd)

	,
451	OCCUPANT UNKNOWNN
509	OCCUPANT UNKNOWNN
517	HOLMES, ANDREW R
521	OCCUPANT UNKNOWNN
529	OCCUPANT UNKNOWNN
557	BEARD, JAMES S
581	BEARD, WALLACE
600	ONE STOP FOOD MART
603	M & M LIQUORS INC
613	JOHNSON, LEE
621	CLARK, EARL
626	WEST NOEL CAR WASH
627	OCCUPANT UNKNOWNN
633	BRACKENY, LESIE
	CAROLS HAIR STYLING
652	SALVATION ARMY
659	KENS TV SVC
660	QUALITY PRODUCE
672	MCROY, JAMES
674	JAY, M
680	OCCUPANT UNKNOWNN
685	A & B CYCLE
686	HUBBLE, TIM
693	OCCUPANT UNKNOWNN
694	ANDERSON, RAY
708	TOLLIVER, DAVID
714	WILLIAMS, AUBREY
726	SEAGLES SUPER SVC
730	HOPKINS COUNTY PLUMBING & HTG
744	SHOCKLEY, TOM
746	BORN, CHARLES H
750	HARNED, MATTIE B
758	FOSTER, KEMMA
820	SHARKEYS WESTSIDE SVC INC
912	OCCUPANT UNKNOWNN
915	OCCUPANT UNKNOWNN
920	OCCUPANT UNKNOWNN
948	RUFUS, ARTHUR J
952	UTLEY, MELDON
968	BOWLEY, MONA F
978	DAME, CHRIST
993	THOMAS, AUDREY C
1041	DOBIES DELI
1000	OCCUPANT UNKNOWNN
1083	SMITH, MICHAEL L
1104	HOWELL, DONNIE
1111	OCCUPANT UNKNOWNN
1119	TURNER, SHIRLEY A
1125	WITTEN, LUTHER
1139	FULKERSON, CHARLES W

W NOEL AVE 1995 (Cont'd)

1140	CHURCH OF GOD
1152	LEEK, JIM
1155	MARTIN, ROBBIE
1162	NICHOLS, P
1170	OCCUPANT UNKNOWNN
1184	MASON, PAUL
1188	MITCHELL, GEORGE
1190	CARTER, RICKY
1209	OCCUPANT UNKNOWNN
1223	WIMSATT, CHARLES R
1235	MENTAL HEALTH CLINIC
1303	MENTAL HEALTH CLINIC
1320	BEAL, CHARLES E SR
1354	JENNINGS, TRAVIS
	PARRISH, RICKY
1358	OCCUPANT UNKNOWNN
1370	DAY, JAMES T
1375	EDWARDS, JOHN P
1383	PEYTON, VICKI R
1385	DANIEL, SUSIE
1409	MALTDA, MICHAEL
1417	HANCOCK, HOBERT
1425	ALEXANDER, CLIFTON L
1429	HANCOCK, JESSIE C
1433	FLENER, GREG
1455	HONEYCUTT, ARJAY
1495	HERON, JONNA
1503	OCCUPANT UNKNOWNN
	SUPERIOR UPHOLSTERY & AUTO
	TERMINIX INTERNATIONAL
1505	FUSON, FLOYD
1532	SMITH, TAMMY D
72012	WESTWIND INC

	BROWNING ST	1992
342 400 408 424 440 460 500 510 601	QUALLS, THOMAS WATTS, JIMMIE D OLDHAM, TINA WHITFIELD, EDWARD T JENNINGS, WILLIAM R PHELPS, DUDLEY WILSON, RICKY FREDERICK, BILLIE R KINGTON, HAYES	1992

24	DONE FLINT
31	BONE, FLINT
47 407	MOORE, JAMES L
107	CLARK, WILLIAM D
117	BEGLEY, BOB
128 154	MOORE, WILEY
154	FARRIS, MARVIN L
217	TRICE, J D
227 235	BEENY, VIRGIL HALL, BRUCE
242	KITTINGER, WALLACE
243	HIBBS, JESSE O
248	BABBS, ROY E SR
251	POWELL, BRENDA
254	BROWN, ANGELIA R
283	CARNEAL, GEORGE E
200	CURNEAL, GEORGE E
284	HARTFORD, EMERSON
291	STAFFORD, JEWELL T
294	STRADER, RONDALL
297	SKINNER, LANA
312	BRYANT, ROBERT
340	DAUGHERTY, ALICE
357	GRINSTEAD, GARRETT
414	SCOTT, DAVID
415	STOKES, SHAWN
437	POLLOCK, FLOYD M
443	JONES, JOHNNY T
444	OGLESBY, SARAH R
521	LAMB, OLLIE
557	RUSSELL, MARY
581	BEARD, WALLACE
621	CLARK, EARL
627	WOOTEN, JOHN
674	HOLLIS, MARK
680	GREEN, WILLIAM R
686	CARTWRIGHT, MICHAEL E
694	ANDERSON, RAY
714	MILLS, WILLIAM D
746	BORN, CHARLES H
750	HARNED, MATTIE B
758	KELLEY, R V
915	GRAHAM, TAMMY
920	SOLISE, TROY
948	RUFUS, ARTHUR J
952	UTLEY, MELDON
968	BOWLEY, TOM R
978	SUTTON, FRANCES
993	THOMAS, AUDREY C
1083	SMITH, LUMMIE
1111	HALL, DAVID

W NOEL AVE 1992 (Cont'd)

1119	TURNER, SHIRLEY A
1139	FULKERSON, C W
1152	PLEASANT, STEVE
1162	NICHOLS, P
1184	MASON, PAUL
1190	CARTER, RICKY
1223	WIMSATT, CHARLES R
1320	BEAL, CHARLES E SR
1370	DAY, JAMES T
1375	EDWARDS, JOHN P
1383	PEYTON, VICKI R
1409	DANIEL, LILLIE
1417	HANCOCK, HOBERT
1429	HANCOCK, J C
1433	RAMSEY, PHILLIP
1455	HONEYCUTT, ARJAY
1505	FUSON, FLOYD

BROWNING ST 1967

1030 Trir Leadetter Isabell S Mrs (H) 1048 Gossett L W Э—Д821-6786 1101 Birge Ruby B Mrs (H)—\(\triangle \text{821-1767}\) 1113 Cartwright O R ⊕—△821-3916 BROWNING N fr 693 W Noel to dead end, n of Silkwood 330 Williams Esma F Mrs (H)— △821-6071 Cherry 342 Bartlett Daisy F Mrs (i)— △821-2807 400 Watts C S ℍ—△821-3188 400½ Clark L V—Д821-7215 408 Sutton Hazel A Mrs (H)—\(\tilde{\Pi}\)821-8216 Gordon 424 Todd R H H — \$\triangle 821-5040 434 Fredrick H W H—Δ821-6408 440 Jennings W R 🗓 — 🗘 821-6960 452 Clark J W A — Δ821-3741 460 Fredrick D W H-4821-5478 Silkwood 510 Frederick M L (A)—\(\bar{\Pi}\) 821-3678 601 Kington W H 的—— △821-3672 es Angel Kathleen S Mrs (H)— △821-7182 ws Kington O M (H) - A821-3249 **BUCKINGHAM** (Westmoor Estates) S fr 1236 Laffoon Trl to Devonshire Dr. 5 w of Oldham Rd — Hopkins W E н— 🗘 821-8158 21 Troop W F (H)—\(\(\Lambda\)821-7747 33 DeMoss W R H — A821-2292

W NOEL AVE 1967

504 Vacant

505 Gray Louise L Mrs (H)

516 Johnson Amanzo (H)—Δ821-5666

518 Slaton G A ℍ—Δ821-3530

NOEL-WEST

W fr 259 N Main to & bey limits

IC RR

31 Lynch Callie L Mrs ®—\(\Delta 821 \)5371 Cooley James—\(\Delta 821 \)4179

34 Ray Betty D Mrs ⊕—△821-1953

39 Morrow Nora S Mrs ®—\$821-3972 Pharris Carolyn

42 Beck Brank (H)—△821-4358

47 Moore Kathryn O Mrs ⊕—△821-7654

50 Cates W D θ — Δ821-3705

50(r) Vacant

Wells

107 Schmidt H J

108 Shanks V В н—Д821-1949

114 Whitfield O D (R)—A821-6107

118 Hunt HE (R)

127 Sharp Margt T Mrs ℍ—△821-3602

128 Moore W C (A)—△821-1771

Dempsey

249

W NOEL AVE 1967

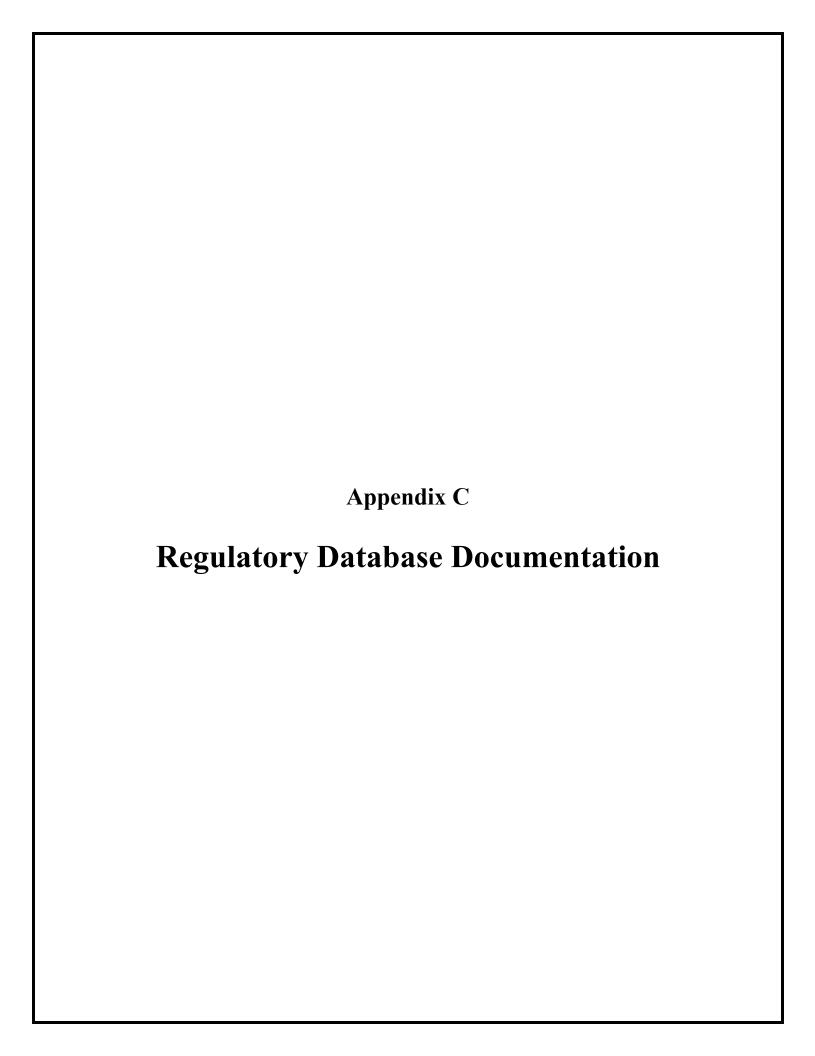
PEOPLES BANK AND TRUST COMPANY — 821-1661

NOEL W. (Casatid)	600 Hendrix Gulf Serv—Д821-8104
NOEL—W (Cont'd)	600(r) Trlr Hendrix D H ⊕—△821-8104
153 Spence's Gulf Serv S'a—\$821-8778 154 Farris M L @—\$821-7224	603 Moore's Serv Sta—△821-6041
155 Cavanah Used Cars—\$821-8295	613 Furniss P S (18)—\(\time\) 821-5255 614 Boles Jack Elec Co—\(\time\) 821-4647
164 Chance J E ℍ—△821-6083	618 Wright's Garage—△821-5016
170 Roth Verna M Mrs—Д821-7680	621 Clark E F 🛞 — 🗘 821-3618
N Seminary	626 Clark's W End Serv Sta—
207 Roany V A @ 0 221 1504	633 Sandefur Chas Jr—\$21-6946
227 Becny V A ®— \$\Delta 821-4594 234 Frazer G P ®— \$\Delta 821-4388	Woodson
235 Fortenbery B J (H)— 🗘 821-7318	440002911
242 Walker Shellie M Mrs ®—	652 Sureway Food Store—A821-3181
Д821-5802 243 Kinney Earl ⊕—Д821-6568	659 Brooks Loose Leaf Flr—\$221-7320 662 Wishy Washy Ldry—\$21-9857
248 Stokes Jasper ®—\$\time\$821-2981	
251 Teague Henry (B—A821-6155	Harding
254 McCarthy Alice N Mrs ⊕— △821-3880	672 Wade J A—∆821-3516 672½ Lantrip Robt—∆821-1018
Hopewell	674 Lochridge Wallace— \triangle 821-1060
277 Ethel's Mkt—∴ \$21-2493	680 Mangum L A barber shop 🖫—
283 Carneal G E ⊕—△821-6134 284 Davis J R ⊕—△821-6924	↓821-3863 686 Page Virgie M Mrs ⊕—↓821-7689
291 Wilkins C R ®—\$\time\$821-4922	691 Anderson Serv—\(\Delta\)821-5163
294 Crowe C C ℍ—△821-3436	693 Lamb O L—△821-1745
297 Uzzle J M ®—	694 Anderson T R ⊕—Д821-5163
310 McGregor's Shoe Fixery—\$\tilde{\pi} 821-4103	Browning
312 McGregor R B ⊕—△821-4103	700 Mac's Mtr Sls—\$21-7494
315 Vacant	Trlr Compton O C ⊕ 708 Moore Kirkwood ⊕—Д821-5212
322 Overton R T ⊕—△821-3087	714 Davis W D wldg ®
340 Dorris M K ⊕—△821-4197	720 Mills Wldg & Mach—A821-6252
348 Watts L H 🖹 — 🗘 821-5118	730 Macke Mach Wks—\$21-3386 730½ Whitfield Mable Mrs—\$21-3297
351 Crowley E A ⊕—Δ821-1675 357 Wygal Jan J Mrs—Δ821-2053	744 Kingston Lana A Mrs ®—\$21-6314
398 Bearings Serv Co— \triangle 821-6576	746 Born C H—△821-5826
Church	750 Milum K J ⊕—
403 Service Prod—△821-4307 414 Poe J R	Daniel Dr
415 Massey C E ⊞—∴ △821-6520	766 Kingston W E ⊕—Д821-6869
420 Tucker R N 🖹 — 🗘 821-4234	820 Hook & Son Serv Sta—△821-1237
423 Davis J L—↓821-1897 429 Crockett J C ⊕—↓821-5911	Trlr Haynie C P Jr ®—\(\Delta 821-5177\)
437 Pollock F M ®— \triangle 821-6090	820½ Hook W B ®—\$21-1237
438 Furgerson E A ℍ—△821-8734	(Following are RD 2) Denton Dr
443 Moore E H—△821-3189 444 Eckard Mattie E Mrs ®—△821-6060	ss Seventh Day Adventist Ch
451 Prow's Mkt—△821-7791	ss Troop Ada M Mrs ®—A821-6729
451½ Prow A L ®	ss Crider Mada N Mrs—△821-4231
Pride	Ada La 912 Manasco N E—∴ \$\Delta 821-8869
509 Miller Eva M Mrs ⊕—△821-7795	920 Ockerman E L 🖲 — 🗘 821-6345
517 Melton O E ®—\$\time\$ 821-4845	948 Blair G O 🕦 — 🗘 821-4214
521 McGregor D B ®—△821-4621 529 Dorris Gro—△821-5520	950 Trlr Tarpley J T—\$21-5302 952 Utley I M \(\hbar \hbar \hbar \hbar 21-3111
529(r) Dorris C B ®—\(\Delta 821-5520\)	978 Vacant
	982 Vacant
533 Vacant	993 Thomas Maude P Mrs ⊕ 1004 Weldon A C ⊕—△821-4741
	1004 Weldon A C (f) — 2,021-4741
557 Trlr Russell R L ⊕—↓821-4810 581 Kittinger J W—△821-4962	1041 Ruby Myrtle D Mrs 🕦
583 Beard's Food Mkt—△821-5707	1080 Scott W R—↓821-2559 1083 Smith L C ⊕—↓821-3379
Murray	14/ .11
	The Mullin-Kille and Messenger

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W NOEL AVE 1967

NOE! W (Cont'd) 1104 Daniel W D ℍ—△821-6902 1106 Petitt J A 1111 Monaghan Martha L (H)—\(\tilde{\Delta}\)821-5742 1119 Turner Shirley A Mrs—△821-4031 1125 Pentecost W J—∆821-1157 1142 Word Louise (H)—\(\triangle 821-8988\) Meadow La 1162 Nichols PE (H) 1170 Vacant 1184 Mason W L (H)—△821-6906 1184(r) McCoy L R Nichols L B 1251 Galis Mfg Co 1303 Hayden C F ⊕ — △821-3541 1307 Rickard D S 1350 Francis W G—△821-4239 1351 Edwards J P (9)—\(\triangle 821-7761 1354 Jones R A—△821-7466 1358 Walters J B—A821-8148 1360 Vacant 1362 Beal C E ℍ—△821-7399 1363 Cates M E ℍ—△821-3858 1364 Cates J E ℍ—△821-4978 1365 Beal Volney (H) ws Day Ruth R Mrs (H) - \$\triangle 821-6186 1370 Day J T—△821-1912 1380 Daniel R A (H)—△821-5056 1409 Hancock J C ℍ—△821-5541 1417 Hancock Mabel D Mrs (H) 1425 Brown H E 的—Д821-7374 1433 Payne W H ⊕ __ △821-2333 1455 Utley C E ℍ—△821-5306 1467 Daugherty Doris H Mrs—△821-8239 1505 Fuson Floyd ⊕—△821-5290 1510 Vacant 1520 Kellough E R—△821-8455 NOEL PLACE S fr W Noel to dead end, 2nd ct w of Pride 236 Jones John—△821-3110



Harper Village 445 Browning Street Madisonville, KY 42431

Inquiry Number: 7679837.2s

June 12, 2024

The EDR Radius Map™ Report with GeoCheck®



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with any questions or comments.

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A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527 - 21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E2247 - 16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E1528 - 22) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

445 BROWNING STREET MADISONVILLE, KY 42431

COORDINATES

Latitude (North): 37.3366430 - 37° 20' 11.91" Longitude (West): 87.5134460 - 87° 30' 48.40"

Universal Tranverse Mercator: Zone 16 UTM X (Meters): 454516.5 UTM Y (Meters): 4132138.0

Elevation: 432 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 50023974 MADISONVILLE WEST, KY

Version Date: 2022

East Map: 50024137 MADISONVILLE EAST, KY

Version Date: 2022

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20200601 Source: USDA

MAPPED SITES SUMMARY

Target Property Address: 445 BROWNING STREET MADISONVILLE, KY 42431

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	SHARKEYS	820 W NOEL AVE	UST	Lower	213, 0.040, SSW
A2	SHARKEYS	820 W NOEL AVE	UST FINDER, UST FINDER RELEASE	Lower	213, 0.040, SSW
A3	SHARKEYS	820 W NOEL AVE	UST FINDER	Lower	213, 0.040, SSW
A4	SHARKEYS WESTSIDE SE	820 W NOEL ST	EDR Hist Auto	Lower	213, 0.040, SSW
5	MILLS WELDING & MACH	720 WEST NOEL AVENUE	RCRA NonGen / NLR, FINDS, ECHO	Higher	391, 0.074, SSE
6	CHERRY STREET GARDEN	686 CHERRY ST.	SHWS	Higher	413, 0.078, SE
B7	RENTAL PROPERTY	626 W NOEL AVE	UST	Higher	928, 0.176, SE
B8	RENTAL PROPERTY	626 W NOEL AVE	UST FINDER, UST FINDER RELEASE	Higher	928, 0.176, SE
9	DOLLAR GENERAL STORE	925 WEST NOEL AVE	RCRA NonGen / NLR, E MANIFEST	Lower	942, 0.178, WSW
B10	LARRY J MORRISON PRO	603 W NOEL	UST	Higher	972, 0.184, ESE
B11	LARRY J MORRISON PRO	603 W NOEL	UST FINDER, UST FINDER RELEASE	Higher	972, 0.184, ESE
B12	AK PETROLEUM	600 W NOEL AVE	UST FINDER, UST FINDER RELEASE	Higher	1041, 0.197, SE
B13	AK PETROLEUM	600 W NOEL AVE	UST	Higher	1041, 0.197, SE
C14	JANICE BEARD PROPERT	583 WEST NOEL STREET	RCRA NonGen / NLR	Higher	1064, 0.202, ESE
D15	ASHMORE DIST	640 LINCOLN AVE	UST	Higher	1128, 0.214, SE
D16	ASHMORE DIST	640 LINCOLN AVE	UST FINDER, UST FINDER RELEASE	Higher	1128, 0.214, SE
C17	JANICE BEARD PROPERT	538 W NOEL ST	UST FINDER, UST FINDER RELEASE	Higher	1306, 0.247, ESE
C18	JANICE BEARD PROPERT	538 W NOEL ST	UST	Higher	1306, 0.247, ESE
19	MAX ARNOLD & SONS IN	181 MURRAY ST	UST FINDER, UST FINDER RELEASE	Higher	1466, 0.278, SE
20	MADISONVILLE STATE V	150 SCHOOL AVENUE	SHWS, UST, RCRA NonGen / NLR, FINDS, ECHO	Higher	1603, 0.304, SSE
21	GORDON CONSTRUCTION	BROWN ST	SWF/LF	Higher	1853, 0.351, East
22	JOY MANUFACTURING CO	555 BROWN LN	UST FINDER, UST FINDER RELEASE	Lower	1921, 0.364, NW
E23	THOMPSON SANITARY SU	158 LUNSFORD	UST FINDER, UST FINDER RELEASE	Higher	2540, 0.481, ESE
F24	BROWNING SPRINGS MID	357 W ARCH ST	UST FINDER, UST FINDER RELEASE	Higher	2560, 0.485, SE
F25	MADISONVILLE OLD TRA	HOPEWELL ST	SEMS-ARCHIVE	Higher	2591, 0.491, SE
E26	MADISONVILLE OLD TRA	HOPEWELL STREET	SHWS	Higher	2695, 0.510, ESE
G27	HOPKINS CO STATE MAI	PRIDE AVENUE	SHWS, INST CONTROL	Higher	3427, 0.649, NE
G28	HOPKINS CO STATE MAI	1020 PRIDE ROAD	SHWS	Higher	3427, 0.649, NE
29	FIRST UNITED BANK OF	162 NORTH MAIN STREE	SHWS	Higher	4103, 0.777, ESE
30	MADISONVILLE WATER T	850 LAKE PEE WEE RD	SHWS, SWF/LF, NPDES	Higher	4237, 0.802, NW
31	GAP FILLER ANNEX P-8	GAP FILLER ANNEX P-8	SHWS	Higher	4617, 0.874, SE
32	MCCOY MANAGEMENT SER	1300 N MAIN ST	SHWS	Higher	5056, 0.958, NE

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL	(Superfund) sites
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NPL	National Priority List
Proposed NPL	Proposed National Priority List S

Proposed NPL......Proposed National Priority NPL LIENS.....Federal Superfund Liens

Lists of Federal Delisted NPL sites

Delisted NPL...... National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY	Federal Facility Site Information listing
SEMS	Superfund Enterprise Management System

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS...... Corrective Action Report

Lists of Federal RCRA TSD facilities

RCRA-TSDF...... RCRA - Treatment, Storage and Disposal

Lists of Federal RCRA generators

RCRA-LQG	RCRA - Large Quantity Generators
	RCRA - Small Quantity Generators

RCRA-VSQG...... RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity

Generators)

Federal institutional controls / engineering controls registries

LUCIS	Land Use Control Information System
	Engineering Controls Sites List
	Institutional Controls Sites List

Federal ERNS list

ERNS..... Emergency Response Notification System

Lists of state and	tribal	leaking	storage	tanks
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PSTEAF..... Facility Ranking List

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

SB193 Branch Site Inventory List

Lists of state and tribal registered storage tanks

FEMA UST...... Underground Storage Tank Listing AST...... Above Ground Storage Tanks

INDIAN UST..... Underground Storage Tanks on Indian Land

State and tribal institutional control / engineering control registries

ENG CONTROLS..... Engineering Controls Site Listing INST CONTROL...... State Superfund Database

Lists of state and tribal voluntary cleanup sites

VCP...... Voluntary Cleanup Program Sites INDIAN VCP...... Voluntary Cleanup Priority Listing

Lists of state and tribal brownfield sites

BROWNFIELDS..... Kentucky Brownfield Inventory

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

HIST LF..... Historical Landfills SWRCY..... Recycling Facilities

INDIAN ODI...... Report on the Status of Open Dumps on Indian Lands

ODI...... Open Dump Inventory

DEBRIS REGION 9...... Torres Martinez Reservation Illegal Dump Site Locations

IHS OPEN DUMPS..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL..... Delisted National Clandestine Laboratory Register CDL..... Clandestine Drub Lab Location Listing US CDL..... National Clandestine Laboratory Register

Local Land Records

LIENS 2..... CERCLA Lien Information

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System

SPILLS..... State spills

Other Ascertainable Records

FUDS..... Formerly Used Defense Sites DOD...... Department of Defense Sites

SCRD DRYCLEANERS...... State Coalition for Remediation of Drycleaners Listing

US FIN ASSUR..... Financial Assurance Information

EPA WATCH LIST..... EPA WATCH LIST

2020 COR ACTION...... 2020 Corrective Action Program List

TSCA...... Toxic Substances Control Act

TRIS...... Toxic Chemical Release Inventory System

SSTS..... Section 7 Tracking Systems ROD...... Records Of Decision RMP...... Risk Management Plans

RAATS...... RCRA Administrative Action Tracking System

PRP......Potentially Responsible Parties PADS...... PCB Activity Database System

ICIS...... Integrated Compliance Information System

Act)/TSCA (Toxic Substances Control Act)

...... Material Licensing Tracking System COAL ASH DOE..... Steam-Electric Plant Operation Data

COAL ASH EPA...... Coal Combustion Residues Surface Impoundments List

PCB TRANSFORMER...... PCB Transformer Registration Database

RADINFO...... Radiation Information Database

HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing

DOT OPS...... Incident and Accident Data

CONSENT..... Superfund (CERCLA) Consent Decrees

INDIAN RESERV..... Indian Reservations

FUSRAP..... Formerly Utilized Sites Remedial Action Program

UMTRA..... Uranium Mill Tailings Sites

LEAD SMELTERS..... Lead Smelter Sites

US AIRS..... Aerometric Information Retrieval System Facility Subsystem

US MINES...... Mines Master Index File ABANDONED MINES..... Abandoned Mines

MINES MRDS..... Mineral Resources Data System

FINDS_____Facility Index System/Facility Registry System DOCKET HWC..... Hazardous Waste Compliance Docket Listing

UXO...... Unexploded Ordnance Sites

ECHO..... Enforcement & Compliance History Information

FUELS PROGRAM..... EPA Fuels Program Registered Listing

PFAS NPL..... Superfund Sites with PFAS Detections Information

PFAS FEDERAL SITES..... Federal Sites PFAS Information

PFAS TSCA...... PFAS Manufacture and Imports Information

PFAS TRIS..... List of PFAS Added to the TRI

PFAS RCRA MANIFEST..... PFAS Transfers Identified In the RCRA Database Listing

PFAS ATSDR PFAS Contamination Site Location Listing PFAS WQP..... Ambient Environmental Sampling for PFAS PFAS NPDES...... Clean Water Act Discharge Monitoring Information

PFAS ECHO..... Facilities in Industries that May Be Handling PFAS Listing PFAS ECHO FIRE TRAIN.... Facilities in Industries that May Be Handling PFAS Listing PFAS PT 139 AIRPORT..... All Certified Part 139 Airports PFAS Information Listing

AQUEOUS FOAM NRC..... Aqueous Foam Related Incidents Listing BIOSOLIDS...... ICIS-NPDES Biosolids Facility Data

PFAS Detections Site Listing AIRS..... Permitted Airs Facility Listing ASBESTOS..... Asbestos Notification Listing COAL ASH..... Coal Ash Disposal Sites

DRYCLEANERS..... Drycleaner Listing

Financial Assurance Information Listing

LEAD..... Environmental Lead Program Report Tracking Database

NPDES..... Permitted Facility Listing

._____ UIC Information

PFAS PROJECT...... NORTHEASTERN UNIVERSITY PFAS PROJECT

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP..... EDR Proprietary Manufactured Gas Plants EDR Hist Cleaner EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF...... Recovered Government Archive Solid Waste Facilities List

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in **bold italics** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for

listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 04/22/2024 has revealed that there is 1 SEMS-ARCHIVE site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MADISONVILLE OLD TRA Site ID: 0402175 EPA Id: KYD980846216	HOPEWELL ST	SE 1/4 - 1/2 (0.491 mi.)	F25	71

Lists of state- and tribal hazardous waste facilities

SHWS: The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Environmental Protection's Uncontrolled Site Branch List.

A review of the SHWS list, as provided by EDR, and dated 11/27/2023 has revealed that there are 9 SHWS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CHERRY STREET GARDEN Facility Id: 115537 Facility Status: Closed	686 CHERRY ST.	SE 0 - 1/8 (0.078 mi.)	6	19
MADISONVILLE STATE V Facility Id: 52360 Facility Status: Closed	150 SCHOOL AVENUE	SSE 1/4 - 1/2 (0.304 mi.)	20	57
MADISONVILLE OLD TRA Facility Id: 52130 Facility Status: Closed	HOPEWELL STREET	ESE 1/2 - 1 (0.510 mi.)	E26	73
HOPKINS CO STATE MAI Facility Id: 47770 Facility Status: Closed	PRIDE AVENUE	NE 1/2 - 1 (0.649 mi.)	G27	74
HOPKINS CO STATE MAI Facility Id: 47770 Facility Status: Closed	1020 PRIDE ROAD	NE 1/2 - 1 (0.649 mi.)	G28	74
FIRST UNITED BANK OF Facility Id: 52867 Facility Status: Closed	162 NORTH MAIN STREE	ESE 1/2 - 1 (0.777 mi.)	29	75
MADISONVILLE WATER T Facility Id: 1895 Facility Status: Closed	850 LAKE PEE WEE RD	NW 1/2 - 1 (0.802 mi.)	30	75
GAP FILLER ANNEX P-8 Facility Id: 52386 Facility Status: Closed	GAP FILLER ANNEX P-8	SE 1/2 - 1 (0.874 mi.)	31	78
MCCOY MANAGEMENT SER	1300 N MAIN ST	NE 1/2 - 1 (0.958 mi.)	32	79

Facility Id: 66650 Facility Status: Closed

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Department of Environmental Protection's List of All Active Contained & Residential Landfills/List of All Transfer Stations.

A review of the SWF/LF list, as provided by EDR, and dated 03/06/2024 has revealed that there is 1 SWF/LF site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GORDON CONSTRUCTION Status: Terminated Facility Id: 43283	BROWN ST	E 1/4 - 1/2 (0.351 mi.)	21	66

Lists of state and tribal registered storage tanks

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Protection's Owner/Facility Report of All Tanks Regardless of Status list.

A review of the UST list, as provided by EDR, and dated 02/02/2024 has revealed that there are 6 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RENTAL PROPERTY Tank Status: TRM Facility Id: 61038 Closed In Place Date: 12/16/1998	626 W NOEL AVE	SE 1/8 - 1/4 (0.176 mi.)	B7	19
LARRY J MORRISON PRO Tank Status: TRM Facility Id: 70029 Closed In Place Date: 03/01/1991	603 W NOEL	ESE 1/8 - 1/4 (0.184 mi.)	B10	32
AK PETROLEUM Tank Status: TAC Tank Status: TRM Facility Id: 61058	600 W NOEL AVE	SE 1/8 - 1/4 (0.197 mi.)	B13	37
ASHMORE DIST Tank Status: TRM Facility Id: 61070	640 LINCOLN AVE	SE 1/8 - 1/4 (0.214 mi.)	D15	45
JANICE BEARD PROPERT Tank Status: TRM Facility Id: 49971 Closed In Place Date: 01/01/1978	538 W NOEL ST	ESE 1/8 - 1/4 (0.247 mi.)	C18	50
Lower Elevation	Address	Direction / Distance	Map ID	Page
SHARKEYS	820 W NOEL AVE	SSW 0 - 1/8 (0.040 mi.)	A1	8

Tank Status: TCP Tank Status: TRM Facility Id: 65664

Closed In Place Date: 05/01/1984

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 12/04/2023 has revealed that there are 3 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MILLS WELDING & MACH EPA ID:: KYD985079821	720 WEST NOEL AVENUE	SSE 0 - 1/8 (0.074 mi.)	5	15
JANICE BEARD PROPERT EPA ID:: KYR000035774	583 WEST NOEL STREET	ESE 1/8 - 1/4 (0.202 mi.)	C14	41
Lower Elevation	Address	Direction / Distance	Map ID	Page
DOLLAR GENERAL STORE EPA ID:: KYR000062612	925 WEST NOEL AVE	WSW 1/8 - 1/4 (0.178 mi.)	9	24

UST FINDER RELEASE: US EPA's UST Finder data is a national composite of leaking underground storage tanks. This data contains information about, and locations of, leaking underground storage tanks. Data was collected from state sources and standardized into a national profile by EPA's Office of Underground Storage Tanks, Office of Research and Development, and the Association of State and Territorial Solid Waste Management Officials.

A review of the UST FINDER RELEASE list, as provided by EDR, and dated 06/08/2023 has revealed that there are 10 UST FINDER RELEASE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RENTAL PROPERTY	626 W NOEL AVE	SE 1/8 - 1/4 (0.176 mi.)	B8	22
LARRY J MORRISON PRO	603 W NOEL	ESE 1/8 - 1/4 (0.184 mi.)	B11	33
AK PETROLEUM	600 W NOEL AVE	SE 1/8 - 1/4 (0.197 mi.)	B12	35
ASHMORE DIST	640 LINCOLN AVE	SE 1/8 - 1/4 (0.214 mi.)	D16	46
JANICE BEARD PROPERT	538 W NOEL ST	ESE 1/8 - 1/4 (0.247 mi.)	C17	48
MAX ARNOLD & SONS IN	181 MURRAY ST	SE 1/4 - 1/2 (0.278 mi.)	19	54
THOMPSON SANITARY SU	158 LUNSFORD	ESE 1/4 - 1/2 (0.481 mi.)	E23	68
BROWNING SPRINGS MID	357 W ARCH ST	SE 1/4 - 1/2 (0.485 mi.)	F24	70
Lower Elevation	Address	Direction / Distance	Map ID	Page
SHARKEYS	820 W NOEL AVE	SSW 0 - 1/8 (0.040 mi.)	A2	11

Lower Elevation	Address	Direction / Distance	Map ID	Page
JOY MANUFACTURING CO	555 BROWN LN	NW 1/4 - 1/2 (0.364 mi.)	22	66

UST FINDER: EPA developed UST Finder, a web map application containing a comprehensive, state-sourced national map of underground storage tank (UST) and leaking UST (LUST) data. It provides the attributes and locations of active and closed USTs, UST facilities, and LUST sites from states and from Tribal lands and US territories. UST Finder contains information about proximity of UST facilities and LUST sites to: surface and groundwater public drinking water protection areas; estimated number of private domestic wells and number of people living nearby; and flooding and wildfires.

A review of the UST FINDER list, as provided by EDR, and dated 06/08/2023 has revealed that there are 7 UST FINDER sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RENTAL PROPERTY	626 W NOEL AVE	SE 1/8 - 1/4 (0.176 mi.)	B8	22
LARRY J MORRISON PRO	603 W NOEL	ESE 1/8 - 1/4 (0.184 mi.)	B11	33
AK PETROLEUM	600 W NOEL AVE	SE 1/8 - 1/4 (0.197 mi.)	B12	35
ASHMORE DIST	640 LINCOLN AVE	SE 1/8 - 1/4 (0.214 mi.)	D16	46
JANICE BEARD PROPERT	538 W NOEL ST	ESE 1/8 - 1/4 (0.247 mi.)	C17	48
Lower Elevation	Address	Direction / Distance	Map ID	Page
SHARKEYS	820 W NOEL AVE	SSW 0 - 1/8 (0.040 mi.)	A2	11
SHARKEYS	820 W NOEL AVE	SSW 0 - 1/8 (0.040 mi.)	A3	13

E MANIFEST: EPA established a national system for tracking hazardous waste shipments electronically. This system, known as ?e-Manifest,? will modernize the nation?s cradle-to-grave hazardous waste tracking process while saving valuable time, resources, and dollars for industry and states.

A review of the E MANIFEST list, as provided by EDR, and dated 07/24/2023 has revealed that there is 1 E MANIFEST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
DOLLAR GENERAL STORE	925 WEST NOEL AVE	WSW 1/8 - 1/4 (0.178 mi.)	9	24

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there is 1 EDR Hist Auto

site within approximately 0.125 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SHARKEYS WESTSIDE SE	820 W NOEL ST	SSW 0 - 1/8 (0.040 mi.)	A4	14

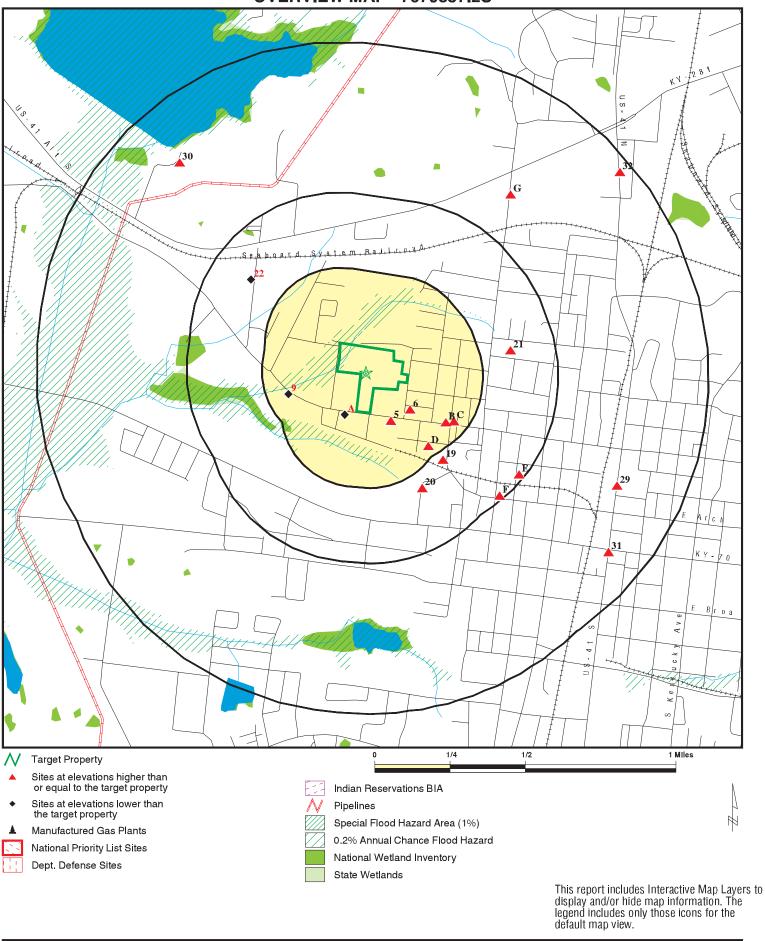
Due to poor or inadequate address information, the following sites were not mapped. Count: 2 records.

Site Name Database(s)

GLITTERWRAP INC ZEIGLER COAL COMPANY SHWS

SEMS-ARCHIVE

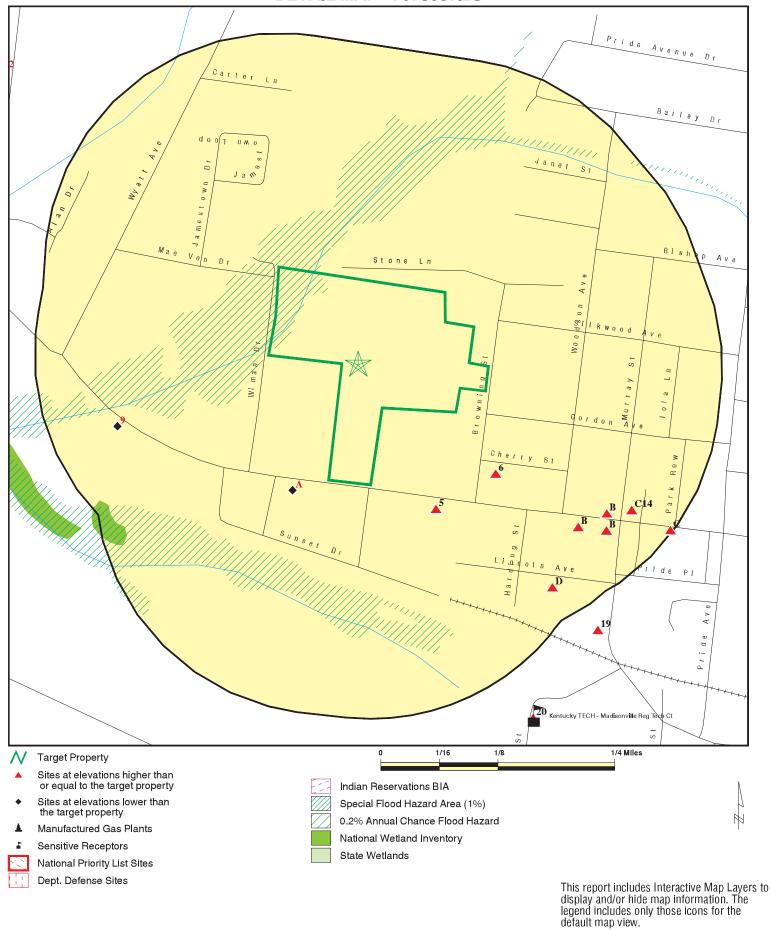
OVERVIEW MAP - 7679837.2S



SITE NAME: Harper Village
ADDRESS: 445 Browning Street
Madisonville KY 42431
LAT/LONG: 37.336643 / 87.513446

CLIENT: Linebach Funkhouser Inc.
CONTACT: Eric Altobellis
INQUIRY #: 7679837.2s
DATE: June 12, 2024 3:53 pm

DETAIL MAP - 7679837.2S



SITE NAME: Harper Village
ADDRESS: 445 Browning Street
Madisonville KY 42431
LAT/LONG: 37.336643 / 87.513446

CLIENT: Linebach Funkhouser Inc.
CONTACT: Eric Altobellis
INQUIRY #: 7679837.2s
DATE: June 12, 2024 3:55 pm

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENT	TAL RECORDS							
Lists of Federal NPL (Su	perfund) site	s						
NPL Proposed NPL NPL LIENS	1.000 1.000 1.000		0 0 0	0 0 0	0 0 0	0 0 0	NR NR NR	0 0 0
Lists of Federal Delisted	NPL sites							
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites sul CERCLA removals and C		ers						
FEDERAL FACILITY SEMS	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
Lists of Federal CERCLA	A sites with N	FRAP						
SEMS-ARCHIVE	0.500		0	0	1	NR	NR	1
Lists of Federal RCRA fa undergoing Corrective A								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA To	SD facilities							
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA ge	enerators							
RCRA-LQG RCRA-SQG RCRA-VSQG	0.250 0.250 0.250		0 0 0	0 0 0	NR NR NR	NR NR NR	NR NR NR	0 0 0
Federal institutional con engineering controls reg								
LUCIS US ENG CONTROLS US INST CONTROLS	0.500 0.500 0.500		0 0 0	0 0 0	0 0 0	NR NR NR	NR NR NR	0 0 0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
Lists of state- and tribal hazardous waste facilitie	es							
SHWS	1.000		1	0	1	7	NR	9
Lists of state and tribal land solid waste disposal								
SWF/LF	0.500		0	0	1	NR	NR	1
Lists of state and tribal l	eaking storag	ge tanks						
PSTEAF	0.500		0	0	0	NR	NR	0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST SB193	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
Lists of state and tribal r	registered sto	rage tanks						
FEMA UST UST AST INDIAN UST	0.250 0.250 0.250 0.250		0 1 0 0	0 5 0	NR NR NR NR	NR NR NR NR	NR NR NR NR	0 6 0
State and tribal institution control / engineering control		es						
ENG CONTROLS INST CONTROL	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
Lists of state and tribal v	oluntary clea	anup sites						
VCP INDIAN VCP	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
Lists of state and tribal k	prownfield sit	es						
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMEN	ITAL RECORDS	<u>s</u>						
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / S Waste Disposal Sites	Solid							
HIST LF SWRCY INDIAN ODI ODI DEBRIS REGION 9 IHS OPEN DUMPS	0.500 0.500 0.500 0.500 0.500 0.500		0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	NR NR NR NR NR	NR NR NR NR NR	0 0 0 0 0
Local Lists of Hazardous Contaminated Sites	s waste /							
US HIST CDL CDL US CDL	0.001 0.001 0.001		0 0 0	NR NR NR	NR NR NR	NR NR NR	NR NR NR	0 0 0
Local Land Records								
LIENS 2	0.001		0	NR	NR	NR	NR	0
Records of Emergency F	Release Repo	rts						
HMIRS SPILLS	0.001 0.001		0 0	NR NR	NR NR	NR NR	NR NR	0 0
Other Ascertainable Rec	ords							
RCRA NonGen / NLR	0.250		1	2	NR	NR	NR	3

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		Ö	Ö	Ö	Ö	NR	Ö
SCRD DRYCLEANERS	0.500		0	Ō	Ö	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS MLTS	0.001 0.001		0 0	NR NR	NR NR	NR NR	NR NR	0 0
COAL ASH DOE	0.001		0	NR	NR NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		Ö	NR	NR	NR	NR	ő
CONSENT	1.000		Ö	0	0	0	NR	Ö
INDIAN RESERV	1.000		Ö	Ö	Ö	Ö	NR	Ö
FUSRAP	1.000		Ō	Ö	Ö	Ö	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
MINES MRDS	0.250		0	0	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
PFAS NPL	0.250		0	0	NR	NR	NR	0
PFAS FEDERAL SITES PFAS TSCA	0.250		0	0	NR NR	NR NR	NR NR	0
	0.250		0	0				0 0
PFAS TRIS PFAS RCRA MANIFEST	0.250 0.250		0 0	0 0	NR NR	NR NR	NR NR	0
PFAS ATSDR	0.250		0	0	NR	NR	NR	0
PFAS WQP	0.250		0	0	NR	NR	NR	0
PFAS NPDES	0.250		0	0	NR	NR	NR	0
PFAS ECHO	0.250		0	0	NR	NR	NR	0
PFAS ECHO FIRE TRAIN	0.250		0	Ö	NR	NR	NR	0
PFAS PT 139 AIRPORT	0.250		Ő	Ö	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		Ö	Ö	NR	NR	NR	Ö
BIOSOLIDS	0.001		Ő	NR	NR	NR	NR	Õ
PFAS	0.250		0	0	NR	NR	NR	0

	Search Distance	Target						Total
Database	(Miles)	Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Plotted
AIRS	0.001		0	NR	NR	NR	NR	0
ASBESTOS	0.001		0	NR	NR	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
LEAD	0.001		0	NR	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
UST FINDER RELEASE	0.500		1	5	4	NR	NR	10
UST FINDER	0.250		2	5	NR	NR	NR	7
PFAS PROJECT	0.500		0	0	0	NR	NR	0
E MANIFEST	0.250		0	1	NR	NR	NR	1
EDR HIGH RISK HISTORICA	L RECORDS							
EDR Exclusive Records								
EDR Exclusive Records EDR MGP	1.000		0	0	0	0	NR	0
	1.000 0.125		0 1	0 NR	0 NR	0 NR	NR NR	0 1
EDR MGP			-	-	-	-		_
EDR MGP EDR Hist Auto	0.125 0.125	<u>ves</u>	1	NR	NR	NR	NR	1
EDR MGP EDR Hist Auto EDR Hist Cleaner EDR RECOVERED GOVERN	0.125 0.125 MENT ARCHIV	VES_	1	NR	NR	NR	NR	1
EDR MGP EDR Hist Auto EDR Hist Cleaner	0.125 0.125 MENT ARCHIV	<u>VES</u>	1	NR	NR	NR	NR	1
EDR MGP EDR Hist Auto EDR Hist Cleaner EDR RECOVERED GOVERN	0.125 0.125 MENT ARCHIV	<u>VES</u>	1	NR	NR	NR	NR	1
EDR MGP EDR Hist Auto EDR Hist Cleaner EDR RECOVERED GOVERN Exclusive Recovered Government	0.125 0.125 MENT ARCHIV	<u>VES</u>	1 0	NR NR	NR NR	NR NR	NR NR	1 0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Direction Distance

Elevation Site Database(s) **EPA ID Number**

Α1 **SHARKEYS** UST U004179740 SSW 820 W NOEL AVE N/A

MADISONVILLE, KY 42431 < 1/8

0.040 mi.

213 ft. Site 1 of 4 in cluster A

UST: Relative: Lower

SHARKEYS Name: Address: 820 W NOEL AVE Actual: City,State,Zip: MADISONVILLE, KY 42431

430 ft.

Sequence Id: 8516054 Facility ID: 65664 Owner Name: Bill Holmes 820 W Noe Ave Owner Address: Owner Address2: Not reported

Owner City, St, Zip: Madisonville, KY 42431

Not reported

Internal Document ID:

Owner Address3:

-87.51490116 Latitude: 37.33484049 Longitude:

Not reported Inert Material: Removed Date: Not reported Change in Service Date: Not reported Tank Pit Num: Not reported Tank Mfg: Not reported Tank EXT Corr Protect: Unknown Tank Overfill Protection: Unknown Last Tank Test Date: Not reported Relined Date: Not reported Lining Insp Date: Not reported Pipe Release Detection: Unknown Pipe Rel Detect Suc: Unknown Pipe Leak Detect: Not reported Last Contained Date: Not reported Pipe Mfg: Not reported Last Pipe Test Date: Not reported Last CP Test Date: Not reported

Added To Flex Date: Not reported Added To Piping Date: Not reported Single Wall Steel Tank Material: Tank Release Detect: None Tank Int Protect: Unknown

Unknown Pipe Material: Pipe Ext Corr Protect: Unknown Pipe Type: Unknown Tank Substance: Gasoline

Subject Item ID:

Tank Status: Closed In Place Installation Date: 01/01/1976 Closed In Place Date: Not reported Capacity in Gallons: 1,000 Compartment Number:

Piping Installation Date: Not reported Added To Tank Date: Not reported

Inert Material: Not reported Not reported Removed Date: Change in Service Date: Not reported **EDR ID Number**

Direction Distance Elevation

Site Database(s) EPA ID Number

U004179740

EDR ID Number

SHARKEYS (Continued)

Tank Pit Num: Not reported Not reported Tank Mfg: Tank EXT Corr Protect: Unknown Tank Overfill Protection: Unknown Last Tank Test Date: Not reported Relined Date: Not reported Lining Insp Date: Not reported Pipe Release Detection: Unknown Pipe Rel Detect Suc: Unknown Pipe Leak Detect: Not reported Last Contained Date: Not reported Not reported Pipe Mfg: Last Pipe Test Date: Not reported Last CP Test Date: Not reported Added To Flex Date: Not reported Added To Piping Date: Not reported Single Wall Steel Tank Material:

Tank Release Detect:
Tank Int Protect:
Unknown
Pipe Material:
Unknown
Pipe Ext Corr Protect:
Unknown
Pipe Type:
Unknown
Tank Substance:
Subject Item ID:

None
Unknown
Unknown
Gasoline

Tank Status: Closed In Place
Installation Date: 01/01/1976
Closed In Place Date: Not reported
Capacity in Gallons: 500
Compartment Number: 1

Piping Installation Date: Not reported Added To Tank Date: Not reported

Inert Material: Not reported Removed Date: Not reported Not reported Change in Service Date: Tank Pit Num: Not reported Tank Mfg: Not reported Tank EXT Corr Protect: Unknown Tank Overfill Protection: Unknown Last Tank Test Date: Not reported Not reported Relined Date: Not reported Lining Insp Date: Pipe Release Detection: Unknown Pipe Rel Detect Suc: Unknown Pipe Leak Detect: Not reported Last Contained Date: Not reported Pipe Mfg: Not reported Last Pipe Test Date: Not reported Last CP Test Date: Not reported Added To Flex Date: Not reported Added To Piping Date: Not reported Tank Material: Single Wall Steel

Tank Release Detect: None
Tank Int Protect: Unknown
Pipe Material: Unknown
Pipe Ext Corr Protect: Unknown
Pipe Type: Unknown

Distance Elevation

Site Database(s) EPA ID Number

SHARKEYS (Continued) U004179740

Tank Substance: Gasoline

Subject Item ID: 3

Tank Status: Closed In Place Installation Date: 01/01/1976
Closed In Place Date: Not reported

Capacity in Gallons: 500 Compartment Number: 1

Piping Installation Date: Not reported Added To Tank Date: Not reported

Inert Material: Not reported 03/18/2011 Removed Date: Change in Service Date: Not reported Tank Pit Num: Not reported Tank Mfg: Not reported Tank EXT Corr Protect: Not reported Tank Overfill Protection: Not reported Last Tank Test Date: Not reported Relined Date: Not reported Lining Insp Date: Not reported Pipe Release Detection: Not reported Pipe Rel Detect Suc: Not reported Not reported Pipe Leak Detect: Last Contained Date: 05/01/1984 Pipe Mfg: Not reported Last Pipe Test Date: Not reported Last CP Test Date: Not reported Added To Flex Date: Not reported Added To Piping Date: Not reported Not reported Tank Material: Not reported Tank Release Detect: Tank Int Protect: Not reported Pipe Material: Not reported

Tank Substance: Gasoline Subject Item ID: 4

Pipe Ext Corr Protect:

Pipe Type:

Tank Status: Removed Tank Verified

Not reported Not reported

Installation Date: 01/01/1901 Closed In Place Date: 05/01/1984 Capacity in Gallons: 1,000 Compartment Number: 1

Piping Installation Date: Not reported Added To Tank Date: Not reported

Inert Material: Not reported Removed Date: 03/18/2011 Change in Service Date: Not reported Tank Pit Num: Not reported Tank Mfg: Not reported Tank EXT Corr Protect: Not reported Tank Overfill Protection: Not reported Last Tank Test Date: Not reported Relined Date: Not reported Lining Insp Date: Not reported Not reported Pipe Release Detection: Pipe Rel Detect Suc: Not reported **EDR ID Number**

Direction Distance

Elevation Site Database(s) **EPA ID Number**

SHARKEYS (Continued) U004179740

Pipe Leak Detect: Not reported 05/01/1984 Last Contained Date: Pipe Mfg: Not reported Last Pipe Test Date: Not reported Last CP Test Date: Not reported Added To Flex Date: Not reported Not reported Added To Piping Date: Tank Material: Not reported Tank Release Detect: Not reported Tank Int Protect: Not reported Pipe Material: Not reported Not reported Pipe Ext Corr Protect: Pipe Type: Not reported Tank Substance: Gasoline

Subject Item ID:

Tank Status: Removed Tank Verified

Installation Date: 01/01/1901 05/01/1984 Closed In Place Date: Capacity in Gallons: 1,000 Compartment Number: 1

Piping Installation Date: Not reported Added To Tank Date: Not reported

1028372523 **SHARKEYS UST FINDER** 820 W NOEL AVE **UST FINDER RELEASE** N/A

< 1/8 MADISONVILLE, KY 42431

A2

SSW

0.040 mi.

213 ft. Site 2 of 4 in cluster A UST FINDER: Relative: Lower

Actual: 430 ft.

Object ID: 177351 Facility ID: KY8516054 Name: **SHARKEYS** 820 W NOEL AVE Address: City,State,Zip:

MADISONVILLE, KY 42431 Address Match Type: Not reported

Open USTs: 0

Closed USTs: 3 TOS USTs: 0 Population 1500ft: 322 Private Wells 1500ft: Within 100yr Floodplain: No

Land Use: Developed, Open Space

Within SPA: No

SPA PWS Facility ID: Not reported SPA Water Type: Not reported SPA Facility Type: Not reported SPA HUC12: Not reported Within WHPA: No

WHPA PWS Facility ID: Not reported WHPA Water Type: Not reported WHPA Facility Type: Not reported WHPA HUC12: Not reported Facility Status: Closed UST(s) Date of Last Inspection: Not reported

EPA Region:

Tribe: Not reported Coordinate Source: State

EDR ID Number

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

SHARKEYS (Continued) 1028372523

X Coord: -87.514901 Y Coord: 37.33484 Latitude: 37.33484 Longitude: -87.514901

UST FINDER:

Object ID: 623523 Facility ID: KY8516054 Tank ID: KY8516054_1_1

Tank Status: Closed

Installation Date: 1976/01/01 16:00:00+00

Removal Date: Not reported Tank Capacity: 1000 Substances: Gasoline Tank Wall Type: Single

Object ID: 623524 Facility ID: KY8516054 KY8516054_2_1 Tank ID:

Tank Status: Closed

1976/01/01 16:00:00+00 Installation Date:

Not reported Removal Date: Tank Capacity: 500 Substances: Gasoline Tank Wall Type: Single

Object ID: 623525 Facility ID: KY8516054 Tank ID: KY8516054 3 1

Tank Status: Closed

1976/01/01 16:00:00+00 Installation Date:

Removal Date: Not reported Tank Capacity: 500 Gasoline Substances: Tank Wall Type: Single

UST FINDER RELEASE:

170958 Object ID: Facility ID: KY65664 Lust ID: KY9115 Name: SHARKEYS Address: 820 W NOEL AVE City,State,Zip: MADISONVILLE, KY 0

Address Match Type: Not reported Reported Date: Not reported Status: Unkown Substance: Not reported Population within 1500ft: 322

Domestic Wells within 1500ft:

Land Use: Developed, Open Space

Within SPA:

SPA PWS Facility ID: Not reported SPA Water Type: Not reported SPA Facility Type: Not reported SPA HUC12: Not reported

Within WHPA: No

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

SHARKEYS (Continued) 1028372523

WHPA PWS Facility ID: Not reported Not reported WHPA Water Type: WHPA Facility Type: Not reported WHPA HUC12: Not reported

Within 100yr Floodplain: No

Tribe: Not reported

EPA Region: NFA Letter 1: Not reported NFA Letter 2: Not reported NFA Letter 3: Not reported Not reported NFA Letter 4: Not reported Closed With Residual Contaminate:

Coordinate Source: State X Coord: -87.5149 Y Coord: 37.33484 Latitude: 37.33484

Longitude: -87.5148999999999

А3 **SHARKEYS UST FINDER** 1028375092 SSW N/A

820 W NOEL AVE < 1/8 MADISONVILLE, KY 42431

UST FINDER:

0.040 mi.

Relative:

213 ft. Site 3 of 4 in cluster A

Lower Object ID: 177352 Facility ID: **KYSharkeys** Actual: Name: SHARKEYS 430 ft. 820 W NOEL AVE Address:

City,State,Zip: MADISONVILLE, KY 42431

Address Match Type: Not reported

Open USTs: 0 Closed USTs: 2 TOS USTs: 0 Population 1500ft: 322 Private Wells 1500ft: 0 Within 100yr Floodplain: No

Land Use: Developed, Open Space

Within SPA: No

SPA PWS Facility ID: Not reported SPA Water Type: Not reported SPA Facility Type: Not reported SPA HUC12: Not reported Within WHPA: No

WHPA PWS Facility ID: Not reported WHPA Water Type: Not reported Not reported WHPA Facility Type: WHPA HUC12: Not reported Closed UST(s) Facility Status: Date of Last Inspection: Not reported

EPA Region:

Tribe: Not reported Coordinate Source: State X Coord: -87.514901 Y Coord: 37.33484 Latitude: 37.33484 -87.514901 Longitude:

Direction Distance

EDR ID Number Elevation **EPA ID Number** Site Database(s)

SHARKEYS (Continued) 1028375092

UST FINDER:

Object ID: 576333 Facility ID: **KYSharkeys** KYSharkeys_4_1 Tank ID: Tank Status: Closed

Not reported Installation Date: 2011/03/18 15:59:59+00 Removal Date:

Tank Capacity: 1000 Gasoline Substances: Tank Wall Type: Not reported

576334 Object ID: Facility ID: **KYSharkeys** Tank ID: KYSharkeys_5_1 Tank Status: Closed Installation Date: Not reported

Removal Date: 2011/03/18 15:59:59+00

Tank Capacity: 1000 Substances: Gasoline Tank Wall Type: Not reported

SHARKEYS WESTSIDE SERVICE Α4

SSW 820 W NOEL ST < 1/8 MADISONVILLE, KY 42431

0.040 mi.

213 ft. Site 4 of 4 in cluster A

Relative: Lower

EDR Hist Auto

Year: Name: Type: Actual:

1986 SHARKEYS WESTSIDE SERVICE General Automotive Repair Shops 430 ft. 1987 SHARKEYS WESTSIDE SERVICE General Automotive Repair Shops 1988 SHARKEYS WESTSIDE SERVICE General Automotive Repair Shops 1989 SHARKEYS WESTSIDE SERVICE General Automotive Repair Shops

1990 SHARKEYS WESTSIDE SERVICE General Automotive Repair Shops 1991 SHARKEYS WESTSIDE SERVICE General Automotive Repair Shops 1992 SHARKEYS WESTSIDE SERVICE General Automotive Repair Shops General Automotive Repair Shops 1993 SHARKEYS WESTSIDE SERVICE 1994 SHARKEYS WESTSIDE SERVICE General Automotive Repair Shops 1995 SHARKEYS WESTSIDE SERVICE General Automotive Repair Shops 1996 SHARKEYS WESTSIDE SERVICE General Automotive Repair Shops General Automotive Repair Shops 1997 SHARKEYS WESTSIDE SERVICE 1998 SHARKEYS WESTSIDE SERVICE General Automotive Repair Shops General Automotive Repair Shops 1999 SHARKEYS WESTSIDE SERVICE SHARKEYS WESTSIDE SERVICE

2000 General Automotive Repair Shops 2001 SHARKEYS WESTSIDE SERVICE General Automotive Repair Shops 2002 SHARKEYS WESTSIDE SERVICE General Automotive Repair Shops 2003 SHARKEYS WESTSIDE SERVICE General Automotive Repair Shops 2004 SHARKEYS WESTSIDE SERVICE General Automotive Repair Shops 2005 SHARKEYS WESTSIDE SERVICE General Automotive Repair Shops 2006 SHARKEYS WESTSIDE SERVICE General Automotive Repair Shops 2007 SHARKEYS WESTSIDE SERVICE General Automotive Repair Shops

2008 SHARKEYS WESTSIDE SERVICE General Automotive Repair Shops 2009 SHARKEYS WESTSIDE SERVICE General Automotive Repair Shops 2010 SHARKEYS WESTSIDE SERVICE General Automotive Repair Shops

2011 SHARKEYS WESTSIDE SERVICE General Automotive Repair Shops

EDR Hist Auto

1020785351

N/A

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

SHARKEYS WESTSIDE SERVICE (Continued)

1020785351

2012 SHARKEYS WESTSIDE SERVICE General Automotive Repair Shops 2013 SHARKEYS WESTSIDE SERVICE General Automotive Repair Shops 2014 SHARKEYS WESTSIDE SERVICE General Automotive Repair Shops

MILLS WELDING & MACHINE COMPANY RCRA NonGen / NLR 5 1000461514 SSE **720 WEST NOEL AVENUE FINDS**

KYD985079821

MADISONVILLE, KY 42431 **ECHO** < 1/8

0.074 mi. 391 ft.

Relative: RCRA Listings:

Higher Date Form Received by Agency: 19911218

Handler Name: Mills Welding & Machine Company Actual: West Noel Avenue 435 ft. Handler Address:

Handler City, State, Zip: MADISONVILLE, KY 42431

EPA ID: KYD985079821 Contact Name: MARSHA MILLS

Contact Address: 34 BUCKINGHAM PLACE Contact City, State, Zip: MADISONVILLE, KY 42431 Contact Telephone: 502-825-6392

Contact Fax: Not reported Contact Email: Not reported Contact Title: Not reported EPA Region: 04

Land Type: Private Federal Waste Generator Description: Not a generator, verified

Non-Notifier: Not reported Biennial Report Cycle: Not reported Accessibility: Not reported Active Site Indicator: Not reported

State District Owner: Ky State District: 01

Mailing Address: **BUCKINGHAM PLACE** Mailing City, State, Zip: MADISONVILLE, KY 42431

Owner Name: Estate Of Willy D. Mills-Co Marsha Mills

Owner Type: Private Operator Name: Not reported Operator Type: Not reported

Short-Term Generator Activity: No Importer Activity: No Mixed Waste Generator: No Transporter Activity: No Transfer Facility Activity: No Recycler Activity with Storage: Nο Small Quantity On-Site Burner Exemption: No Smelting Melting and Refining Furnace Exemption: No **Underground Injection Control:** No Off-Site Waste Receipt: No Universal Waste Indicator: No Universal Waste Destination Facility: No Federal Universal Waste: No Active Site State-Reg Handler:

Federal Facility Indicator: Not reported

Hazardous Secondary Material Indicator: NN

Sub-Part K Indicator: Not reported 2018 GPRA Permit Baseline: Not on the Baseline 2018 GPRA Renewals Baseline: Not on the Baseline

202 GPRA Corrective Action Baseline: No

Direction Distance

Elevation Site Database(s) EPA ID Number

MILLS WELDING & MACHINE COMPANY (Continued)

1000461514

EDR ID Number

Subject to Corrective Action Universe: No Non-TSDFs Where RCRA CA has Been Imposed Universe: No

Corrective Action Priority Ranking: No NCAPS ranking

Environmental Control Indicator: No Institutional Control Indicator: No Human Exposure Controls Indicator: N/A Groundwater Controls Indicator: N/A Significant Non-Complier Universe: No Unaddressed Significant Non-Complier Universe: No Addressed Significant Non-Complier Universe: No Significant Non-Complier With a Compliance Schedule Universe: No

Financial Assurance Required:
Handler Date of Last Change:
Recognized Trader-Importer:
No
Recognized Trader-Exporter:
No
Importer of Spent Lead Acid Batteries:
No
Exporter of Spent Lead Acid Batteries:
No

Recycler Activity Without Storage: Not reported Manifest Broker: Not reported

Sub-Part P Indicator: No

Hazardous Waste Summary:

Waste Code: NONE Waste Description: None

Handler - Owner Operator:

Owner/Operator Indicator: Owner

Owner/Operator Name: ESTATE OF WILLY D. MILLS-CO MARSHA MILLS

Legal Status:PrivateDate Became Current:Not reportedDate Ended Current:Not reported

Owner/Operator Address: 34 BUCKINGHAM PLACE
Owner/Operator City, State, Zip: MADISONVILLE, KY 42431

Owner/Operator Telephone: 502-825-1002
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 19911218
Handler Name: MILLS WELDING & MACHINE COMPANY

Federal Waste Generator Description: Not a generator, verified

State District Owner:

Large Quantity Handler of Universal Waste:

Recognized Trader Importer:

Recognized Trader Exporter:

No
Spent Lead Acid Battery Importer:

No
Spent Lead Acid Battery Exporter:

No
Current Record:

Non
Storage Recycler Activity:

Not for

Non Storage Recycler Activity: Not reported Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 333319

Distance Elevation

Site Database(s) EPA ID Number

MILLS WELDING & MACHINE COMPANY (Continued)

1000461514

EDR ID Number

NAICS Description: OTHER COMMERCIAL AND SERVICE INDUSTRY MACHINERY MANUFACTURING

Has the Facility Received Notices of Violations:

Found Violation: No

Agency Which Determined Violation: Not reported Not reported Violation Short Description: Date Violation was Determined: Not reported Actual Return to Compliance Date: Not reported Return to Compliance Qualifier: Not reported Violation Responsible Agency: Not reported Scheduled Compliance Date: Not reported Enforcement Identifier: Not reported Date of Enforcement Action: Not reported Enforcement Responsible Agency: Not reported **Enforcement Docket Number:** Not reported Not reported **Enforcement Attorney:** Corrective Action Component: Not reported Appeal Initiated Date: Not reported Appeal Resolution Date: Not reported Disposition Status Date: Not reported Not reported Disposition Status: Disposition Status Description: Not reported

Consent/Final Order Sequence Number:Not reported

Consent/Final Order Respondent Name: Not reported Consent/Final Order Lead Agency: Not reported

Enforcement Type: Not reported

Enforcement Responsible Person: Not reported

Enforcement Responsible Sub-Organization: Not reported

SEP Sequence Number: Not reported

Not reported SEP Expenditure Amount: SEP Scheduled Completion Date: Not reported SEP Actual Date: Not reported SEP Defaulted Date: Not reported SEP Type: Not reported SEP Type Description: Not reported Proposed Amount: Not reported Not reported Final Monetary Amount: Paid Amount: Not reported Final Count: Not reported Final Amount: Not reported

Found Violation: No

Agency Which Determined Violation: Not reported Violation Short Description: Not reported Date Violation was Determined: Not reported Actual Return to Compliance Date: Not reported Return to Compliance Qualifier: Not reported Not reported Violation Responsible Agency: Scheduled Compliance Date: Not reported Enforcement Identifier: Not reported Date of Enforcement Action: Not reported Enforcement Responsible Agency: Not reported Not reported **Enforcement Docket Number:** Not reported **Enforcement Attorney:** Corrective Action Component: Not reported Appeal Initiated Date: Not reported Appeal Resolution Date: Not reported

Distance EDR ID Number
Elevation Site EDR ID Number
Database(s) EPA ID Number

MILLS WELDING & MACHINE COMPANY (Continued)

1000461514

Disposition Status Date:

Disposition Status:

Disposition Status Description:

Not reported

Not reported

Consent/Final Order Sequence Number:Not reported

Consent/Final Order Respondent Name: Not reported Consent/Final Order Lead Agency: Not reported

Enforcement Type: Not reported

Enforcement Responsible Person:

Enforcement Responsible Sub-Organization:

Not reported

Not reported

SEP Sequence Number: Not reported

SEP Expenditure Amount: Not reported SEP Scheduled Completion Date: Not reported SEP Actual Date: Not reported SEP Defaulted Date: Not reported SEP Type: Not reported SEP Type Description: Not reported Not reported Proposed Amount: Final Monetary Amount: Not reported Paid Amount: Not reported Final Count: Not reported Final Amount: Not reported

Evaluation Action Summary:

Evaluation Date: 19911218
Evaluation Responsible Agency: State
Found Violation: No

Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION

Evaluation Responsible Person Identifier: KYSWA Evaluation Responsible Sub-Organization: MA

Actual Return to Compliance Date:

Scheduled Compliance Date:

Not reported
Date of Request:

Not reported
Date Response Received:

Request Agency:

Former Citation:

Not reported
Not reported
Not reported
Not reported

Evaluation Date: 19950622
Evaluation Responsible Agency: State
Found Violation: No

Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION

Evaluation Responsible Person Identifier: KYCTH Evaluation Responsible Sub-Organization: MA

Actual Return to Compliance Date:

Scheduled Compliance Date:

Not reported
Date of Request:

Not reported
Date Response Received:

Request Agency:

Former Citation:

Not reported
Not reported
Not reported
Not reported

FINDS:

Registry ID: 110003235277

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:

The Resource Conservation and Recovery Act Information System

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

MILLS WELDING & MACHINE COMPANY (Continued)

1000461514

(RCRAInfo) is EPA's comprehensive information system in support of the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. It tracks many types of information about generators, transporters, treaters, storers, and disposers of hazardous waste.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000461514 Registry ID: 110003235277

DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110003235277

MILLS WELDING & MACHINE COMPANY Name:

Address: 720 WEST NOEL AVENUE City,State,Zip: MADISONVILLE, KY 42431

CHERRY STREET GARDEN PLOT

SHWS S117892139 SE 686 CHERRY ST.

N/A

MADISONVILLE, KY 42431 < 1/8

0.078 mi. 413 ft.

SHWS: Relative: Higher Name:

CHERRY STREET GARDEN PLOT Address: 686 CHERRY ST.

Actual:

City, State, Zip: MADISONVILLE, KY 42431 443 ft.

Facility Id: 115537 Closed Status:

Description: Cherry Street Garden Plot (Closed: Restored 03/04/2016)

Closure Date: 03/04/2016 Longitude: -87.510556 Latitude: 37.334722 Hopkins Subject Item County: Sub Item Longitude: -87.510673 Sub Item Latitude: 37.335070 Subject Item Address: 686 Cherry St Subject Item Address2: Not reported

Madisonville, KY 42431 Subject Item City, St, Zip: Regulatory Desc: State Superfund Closure Option: Option C Restored

Side SG: Incident Acreage: Not reported

RENTAL PROPERTY B7 UST U003416385 N/A

SE **626 W NOEL AVE** 1/8-1/4 MADISONVILLE, KY 42431

0.176 mi.

928 ft. Site 1 of 6 in cluster B

Relative: UST:

Higher RENTAL PROPERTY Name: Address: 626 W NOEL AVE Actual: City, State, Zip: MADISONVILLE, KY 42431 447 ft.

> 9999950 Sequence Id: Facility ID: 61038 Owner Name: Gary Clark

Direction Distance Elevation

tion Site Database(s) EPA ID Number

RENTAL PROPERTY (Continued)

U003416385

EDR ID Number

Owner Address: 227 W Lake Loop
Owner Address2: Not reported
Owner Address3: Not reported

Owner City, St, Zip: Madisonville, KY 42431

Internal Document ID: 0

Latitude: -87.509364 Longitude: 37.334259

Inert Material: Not reported Removed Date: 05/04/1999 Change in Service Date: Not reported Tank Pit Num: Not reported Tank Mfg: Not reported Tank EXT Corr Protect: None Tank Overfill Protection: Unknown Last Tank Test Date: Not reported Not reported Relined Date: Lining Insp Date: Not reported Pipe Release Detection: None Pipe Rel Detect Suc: None

Pipe Leak Detect: Not reported Last Contained Date: Not reported Pipe Mfg: Not reported Last Pipe Test Date: Not reported Last CP Test Date: Not reported Added To Flex Date: Not reported Added To Piping Date: Not reported Tank Material: Single Wall Steel

Tank Release Detect: None

Tank Int Protect: Not Applicable
Pipe Material: Single Wall Steel

Pipe Ext Corr Protect: None
Pipe Type: Suction
Tank Substance: Gasoline
Subject Item ID: 1

Tank Status: Removed Tank Verified

Not reported

Installation Date: 07/01/1973
Closed In Place Date: 12/16/1998
Capacity in Gallons: 1,100
Compartment Number: 1

Inert Material:

Piping Installation Date: Not reported Added To Tank Date: Not reported

05/04/1999 Removed Date: Not reported Change in Service Date: Tank Pit Num: Not reported Tank Mfg: Not reported Tank EXT Corr Protect: None Unknown Tank Overfill Protection: Last Tank Test Date: Not reported Relined Date: Not reported Lining Insp Date: Not reported Pipe Release Detection: None Pipe Rel Detect Suc: None Not reported Pipe Leak Detect: Last Contained Date: Not reported

Direction Distance Elevation

on Site Database(s) EPA ID Number

RENTAL PROPERTY (Continued)

U003416385

EDR ID Number

Pipe Mfg: Not reported
Last Pipe Test Date: Not reported
Last CP Test Date: Not reported
Added To Flex Date: Not reported
Added To Piping Date: Not reported
Tank Material: Single Wall Steel

Tank Release Detect: None

Tank Int Protect: Not Applicable
Pipe Material: Single Wall Steel

Pipe Ext Corr Protect: None
Pipe Type: Suction
Tank Substance: Gasoline
Subject Item ID: 2

Tank Status: Removed Tank Verified

Installation Date: 07/01/1973
Closed In Place Date: 12/16/1998
Capacity in Gallons: 1,100
Compartment Number: 1

Piping Installation Date: Not reported Added To Tank Date: Not reported

Inert Material: Not reported 05/04/1999 Removed Date: Change in Service Date: Not reported Tank Pit Num: Not reported Tank Mfg: Not reported Tank EXT Corr Protect: None Tank Overfill Protection: Unknown Last Tank Test Date: Not reported Not reported Relined Date: Not reported Lining Insp Date: Pipe Release Detection: None Pipe Rel Detect Suc: None Pipe Leak Detect: Not reported Last Contained Date:

Last Contained Date:

Pipe Mfg:

Last Pipe Test Date:

Last Pipe Test Date:

Not reported

Not reported

Not reported

Not reported

Not reported

Not reported

Not reported

Not reported

Not reported

Not reported

Not reported

Single Wall Steel

Tank Release Detect: None

Tank Int Protect: Not Applicable
Pipe Material: Single Wall Steel

Pipe Ext Corr Protect: None
Pipe Type: Suction
Tank Substance: Gasoline

Subject Item ID: 3

Tank Status: Removed Tank Verified

Installation Date: 07/01/1973
Closed In Place Date: 12/16/1998
Capacity in Gallons: 1,000
Compartment Number: 1

Piping Installation Date: Not reported Added To Tank Date: Not reported

Direction Distance

Distance Elevation Site EDR ID Number

Database(s) EPA ID Number

B8 RENTAL PROPERTY UST FINDER 1028374186
SE 626 W NOEL AVE UST FINDER RELEASE N/A

1/8-1/4 MADISONVILLE, KY 42431

0.176 mi.

928 ft. Site 2 of 6 in cluster B

Relative: UST FINDER: Higher Object ID:

 Higher
 Object ID:
 177342

 Actual:
 Facility ID:
 KY9999950

 447 ft.
 Name:
 RENTAL PR

 447 ft.
 Name:
 RENTAL PROPERTY

 Address:
 626 W NOEL AVE

 City,State,Zip:
 MADISONVILLE, KY 42431

Address Match Type: Not reported

 Open USTs:
 0

 Closed USTs:
 3

 TOS USTs:
 0

 Population 1500ft:
 753

 Private Wells 1500ft:
 0

 Within 100yr Floodplain:
 No

Land Use: Developed, Medium Intensity

Within SPA: No

SPA PWS Facility ID:

SPA Water Type:

SPA Facility Type:

SPA HUC12:

Within WHPA:

Not reported

Not reported

Not reported

No

WHPA PWS Facility ID:
WHPA Water Type:
WHPA Facility Type:
WHPA HUC12:
Facility Status:
Date of Last Inspection:
Not reported
Not reported
Not reported
Not reported
Not reported
Not reported
Not reported

EPA Region: 4

Tribe: Not reported Coordinate Source: State

X Coord: -87.5093639999999

Y Coord: 37.334259 Latitude: 37.334259 Longitude: -87.509364

UST FINDER:

 Object ID:
 584075

 Facility ID:
 KY9999950

 Tank ID:
 KY9999950_1_1

 Tank Status:
 Closed

Installation Date: 1973/07/01 16:00:00+00 Removal Date: 1999/05/04 15:59:59+00

Tank Capacity: 1100
Substances: Gasoline
Tank Wall Type: Single

 Object ID:
 584076

 Facility ID:
 KY9999950

 Tank ID:
 KY9999950_2_1

Tank Status: Closed

Installation Date: 1973/07/01 16:00:00+00 Removal Date: 1999/05/04 15:59:59+00

Tank Capacity: 1100
Substances: Gasoline
Tank Wall Type: Single

Direction Distance Elevation

Site Database(s) **EPA ID Number**

RENTAL PROPERTY (Continued)

1028374186

EDR ID Number

Object ID: 584077 Facility ID: KY9999950 Tank ID: KY9999950_3_1 Tank Status: Closed

Installation Date: 1973/07/01 16:00:00+00 1999/05/04 15:59:59+00 Removal Date:

1000 Tank Capacity: Substances: Gasoline Tank Wall Type: Single

UST FINDER RELEASE:

Object ID: 170973 Facility ID: KY61038 Lust ID: KY7925

RENTAL PROPERTY Name: 626 W NOEL AVE Address: City,State,Zip: MADISONVILLE, KY 0

Address Match Type: Not reported Reported Date: Not reported Status: Unkown Substance: Not reported

Population within 1500ft: 753 Domestic Wells within 1500ft:

Land Use: Developed, Medium Intensity

Within SPA:

Not reported SPA PWS Facility ID: SPA Water Type: Not reported SPA Facility Type: Not reported SPA HUC12: Not reported

Within WHPA: No

WHPA PWS Facility ID: Not reported WHPA Water Type: Not reported WHPA Facility Type: Not reported WHPA HUC12: Not reported

Within 100yr Floodplain: No

Tribe: Not reported

EPA Region:

NFA Letter 1: Not reported Not reported NFA Letter 2: Not reported NFA Letter 3: NFA Letter 4: Not reported Closed With Residual Contaminate: Not reported Coordinate Source: State X Coord: -87.50936 Y Coord: 37.33426

Latitude: 37.33426 -87.50936 Longitude:

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

DOLLAR GENERAL STORE #12086 RCRA NonGen / NLR 1016956970 **WSW** 925 WEST NOEL AVE E MANIFEST KYR000062612

MADISONVILLE, KY 42431 1/8-1/4

0.178 mi. 942 ft.

Relative: **RCRA Listings:**

Lower Date Form Received by Agency: 20181001

Dollar General Store #12086 Handler Name: Actual: Handler Address: West Noel Ave 412 ft.

MADISONVILLE, KY 42431 Handler City, State, Zip:

EPA ID: KYR000062612 Not reported Contact Name: Contact Address: Not reported Contact City, State, Zip: Not reported Contact Telephone: Not reported Contact Fax: Not reported Contact Email: Not reported Contact Title: Not reported EPA Region: 04 Land Type: Private

Federal Waste Generator Description: Not a generator, verified

Non-Notifier: Not reported Biennial Report Cycle: Not reported Accessibility: Not reported Active Site Indicator: Not reported

State District Owner: Ky State District: 01

Mailing Address: Not reported Mailing City, State, Zip: Not reported Owner Name: Not reported Owner Type: Not reported Operator Name: Not reported Operator Type: Not reported

Short-Term Generator Activity: No Importer Activity: No Mixed Waste Generator: No Transporter Activity: No Transfer Facility Activity: No Recycler Activity with Storage: No Small Quantity On-Site Burner Exemption: No Smelting Melting and Refining Furnace Exemption: No **Underground Injection Control:** No Off-Site Waste Receipt: No Universal Waste Indicator: No Universal Waste Destination Facility: No Federal Universal Waste: No Active Site State-Reg Handler:

Federal Facility Indicator: Not reported Hazardous Secondary Material Indicator: NN Sub-Part K Indicator: Not reported 2018 GPRA Permit Baseline: Not on the Baseline 2018 GPRA Renewals Baseline: Not on the Baseline

202 GPRA Corrective Action Baseline: No Subject to Corrective Action Universe: No Non-TSDFs Where RCRA CA has Been Imposed Universe: No

Corrective Action Priority Ranking: No NCAPS ranking

Environmental Control Indicator: No Institutional Control Indicator: No

Distance Elevation

ion Site Database(s) EPA ID Number

Not reported

DOLLAR GENERAL STORE #12086 (Continued)

Financial Assurance Required:

1016956970

EDR ID Number

Human Exposure Controls Indicator:

Groundwater Controls Indicator:

N/A
Significant Non-Complier Universe:

No
Unaddressed Significant Non-Complier Universe:

No
Addressed Significant Non-Complier Universe:

No
Significant Non-Complier With a Compliance Schedule Universe:

No

20181001 Handler Date of Last Change: Recognized Trader-Importer: No Recognized Trader-Exporter: No Importer of Spent Lead Acid Batteries: No Exporter of Spent Lead Acid Batteries: No Recycler Activity Without Storage: No Manifest Broker: No Sub-Part P Indicator: No

Hazardous Waste Summary:

Waste Code: D001

Waste Description: Ignitable Waste

Waste Code: D002

Waste Description: Corrosive Waste

Waste Code: D005
Waste Description: Barium

Waste Code: D006
Waste Description: Cadmium

Waste Code: D007 Waste Description: Chromium

Waste Code: D008
Waste Description: Lead

Waste Code: D016

Waste Description: 2,4-D (2,4-Dichlorophenoxyacetic Acid)

Waste Code: D035

Waste Description: Methyl Ethyl Ketone

Handler - Owner Operator:

Owner/Operator Indicator: Operator

Owner/Operator Name: DG RETAIL LLC

Legal Status: Private Date Became Current: Not reported Date Ended Current: Not reported Owner/Operator Address: Not reported Owner/Operator City, State, Zip: Not reported Owner/Operator Telephone: Not reported Not reported Owner/Operator Telephone Ext: Owner/Operator Fax: Not reported Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner

Distance

Elevation Site Database(s) EPA ID Number

DOLLAR GENERAL STORE #12086 (Continued)

1016956970

EDR ID Number

Owner/Operator Name: DG RETAIL LLC

Legal Status: Private Date Became Current: Not reported Date Ended Current: Not reported Owner/Operator Address: Not reported Owner/Operator City, State, Zip: Not reported Owner/Operator Telephone: Not reported Owner/Operator Telephone Ext: Not reported Owner/Operator Fax: Not reported Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 20181001 Handler Name: DOLLAR GENERAL STORE #12086

Federal Waste Generator Description: Not a generator, verified

State District Owner: Ky Large Quantity Handler of Universal Waste: No Recognized Trader Importer: No Recognized Trader Exporter: No Spent Lead Acid Battery Importer: No Spent Lead Acid Battery Exporter: Nο Current Record: Yes Non Storage Recycler Activity: No Electronic Manifest Broker: No

Receive Date: 20140516 Handler Name: DOLLAR GENERAL STORE #12086

Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator

State District Owner:

Large Quantity Handler of Universal Waste:

No
Recognized Trader Importer:

No
Recognized Trader Exporter:

No
Spent Lead Acid Battery Importer:

No
Spent Lead Acid Battery Exporter:

No
Current Record:

No

Non Storage Recycler Activity: Not reported Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 45299

NAICS Description: ALL OTHER GENERAL MERCHANDISE STORES

Has the Facility Received Notices of Violations:

Found Violation: No

Agency Which Determined Violation: Not reported Violation Short Description: Not reported Date Violation was Determined: Not reported Actual Return to Compliance Date: Not reported Return to Compliance Qualifier: Not reported Violation Responsible Agency: Not reported Scheduled Compliance Date: Not reported Enforcement Identifier: Not reported Date of Enforcement Action: Not reported Enforcement Responsible Agency: Not reported **Enforcement Docket Number:** Not reported Enforcement Attorney: Not reported

Direction Distance Elevation

Site EDR ID Number

EDR ID Number

EPA ID Number

Not reported

Not reported

Not reported

Not reported Not reported

Not reported

Not reported

Not reported

Not reported

Not reported

Not reported

DOLLAR GENERAL STORE #12086 (Continued)

Consent/Final Order Lead Agency:

Enforcement Responsible Person:

SEP Scheduled Completion Date:

Enforcement Responsible Sub-Organization:

Enforcement Type:

SEP Actual Date:

SEP Type:

SEP Defaulted Date:

SEP Type Description:

SEP Sequence Number:

SEP Expenditure Amount:

1016956970

,	
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:Not reported	
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type: Not reported	
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number: Not reported	
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
i ilai Amount.	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:Not reported	. Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Respondent Name.	i voi reported

TC7679837.2s Page 27

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

DOLLAR GENERAL STORE #12086 (Continued)

1016956970

Proposed Amount: Not reported Final Monetary Amount: Not reported Paid Amount: Not reported Final Count: Not reported Final Amount: Not reported

Evaluation Action Summary:

20150106 **Evaluation Date:** Evaluation Responsible Agency: State Found Violation: No

COMPLIANCE EVALUATION INSPECTION **Evaluation Type Description:**

Evaluation Responsible Person Identifier: **KYCSC** Evaluation Responsible Sub-Organization: MA Actual Return to Compliance Date: Not reported Not reported Scheduled Compliance Date: Date of Request: Not reported Date Response Received: Not reported

Request Agency: Not reported Former Citation: Not reported

Evaluation Date: 20171121 Evaluation Responsible Agency: State Found Violation:

Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION

Evaluation Responsible Person Identifier: **KYJRU** Evaluation Responsible Sub-Organization: MA

Actual Return to Compliance Date: Not reported Scheduled Compliance Date: Not reported Date of Request: Not reported Date Response Received: Not reported Request Agency: Not reported Former Citation: Not reported

E MANIFEST:

Manifest Tracking Number: 021531654JJK Last Updated Date: 20200903 Shipped Date: 20200818 Received Date: 20200902 Manifest Status: Signed

Submission Type: DataImage5Copy Origin Type: Service

KYR000062612 Generator EPA ID:

Generator Name: **DOLLAR GENERAL STORE #12086**

Generator Mail Street Number: 925

Generator Mail Street 1: WEST NOEL AVE Generator Mail Street 2: Not reported Generator Mail City: **MADISONVILLE**

Generator Mail State: KY Generator Mail Zip: 42431 Generator Location Street Number: Not reported Not reported Generator Location Street 1: Generator Location Street 2: Not reported Generator Location City: Not reported Generator Location Zip: Not reported Generator Location State: Not reported

Elevation Site

Distance

on Site Database(s) EPA ID Number

DOLLAR GENERAL STORE #12086 (Continued)

1016956970

EDR ID Number

Generator Contact Company Name:

Designated Facility EPA ID:

Designated Facility Name:

Not reported
MID980991566

EQ DETROIT INC

Designated Facility Mail Street Number: 1923

Designated Facility Mail Street 1: Not reported

Designated Facility Mail Street 2: FREDERICK ST

Designated Facility Mail City: DETROIT

Designated Facility Mail Zip: 48211

Designated Facility Mail State: MI

Designated Facility Location Street Number: 1923

Designated Facility Location Street 1: FREDERICK ST
Designated Facility Location Street 2: Not reported
Designated Facility Location City: DETROIT
Designated Facility Location Zip: 48211
Designated Facility Location State: MI

Designated Facility Contact Company Name: Not reported

Manifest Residue Indicator: N Rejection Indicator: N

Manifest Tracking Number: 018877438JJK
Last Updated Date: 20190919
Shipped Date: 20190821
Received Date: 20190906
Manifest Status: Signed

Submission Type: DataImage5Copy
Origin Type: Service
Generator EPA ID: Not reported

Generator Name: DOLLAR GENERAL 12086

Generator Mail Street Number: Not reported

Generator Mail Street 1: 925 WEST NOEL AVE Generator Mail Street 2: Not reported

Generator Mail Street 2: Not reported
Generator Mail City: MADISONVILLE

Generator Mail State: KY

Generator Mail Zip: 42431-1145
Generator Location Street Number: Not reported

Generator Location Street 1: ATTN: STORE MANAGER
Generator Location Street 2: 925 WEST NOEL AVE
Generator Location City: MADISONVILLE
Generator Location Zip: 42431-1145

Generator Location State: KY

Generator Contact Company Name: Not reported
Designated Facility EPA ID: MID980991566
Designated Facility Name: EQ DETROIT INC
Designated Facility Mail Street Number: Not reported
Designated Facility Mail Street 1: Not reported

Designated Facility Mail Street 2: 1923 FREDERICK ST

Designated Facility Mail City:
Designated Facility Mail Zip:
Designated Facility Mail State:

MI

Designated Facility Mail State:

Designated Facility Location Street Number: Not reported

Designated Facility Location Street 1: 1923 FREDERICK ST

Designated Facility Location Street 2: Not reported Designated Facility Location City: DETROIT Designated Facility Location Zip: 48211 Designated Facility Location State: MI

Designated Facility Contact Company Name: Not reported

Manifest Residue Indicator: N

Direction Distance Elevation

vation Site Database(s) EPA ID Number

Ν

DOLLAR GENERAL STORE #12086 (Continued)

1016956970

EDR ID Number

Rejection Indicator:

Federal Waste:

Manifest Tracking Number: 018877438JJK

Waste Line Number: 1
Federal Waste Code: D001

Federal Waste: IGNITABLE WASTE

Manifest Tracking Number: 018877438JJK

Waste Line Number: 1
Federal Waste Code: D018
Federal Waste: BENZENE

Manifest Tracking Number: 018877438JJK

Waste Line Number: 1
Federal Waste Code: D035

Federal Waste: METHYL ETHYL KETONE

Manifest Tracking Number: 018877438JJK

Waste Line Number: 1
Federal Waste Code: U002

Federal Waste: 2-PROPANONE (I) (OR) ACETONE (I)

Manifest Tracking Number: 018877438JJK

Waste Line Number: 1 Federal Waste Code: U154

Federal Waste: METHANOL (I) (OR) METHYL ALCOHOL (I)

Manifest Tracking Number: 018877438JJK

Waste Line Number: 2
Federal Waste Code: D002

Federal Waste: CORROSIVE WASTE

Transporter:

Manifest Tracking Number: 018877438JJK

Transporter Line Number:

Transporter EPA ID: MIK435642742

Transporter Name: EQ INDUSTRIAL SERVICES INC

Manifest Tracking Number: 018877438JJK

Transporter Line Number: 2

Transporter EPA ID: MOD095038998

Transporter Name: BED ROCK INC DBA TRI STATE MOTOR TRANSIT CO

Waste Line:

Manifest Tracking Number: 018877438JJK

Waste Line Number: 1
U.S. DOT Hazardous Indicator: Y
U.S. DOT ID Number: UN1993

U.S. DOT Description: RQ, UN1993, Waste Flammable liquids, n.o.s. (Alcohols, Acetone), 3,

PGII, (RQ D018), ERG#128

Non-Hazardous Waste Description: Not reported

Number of Containers: 1
Container Type Code: DF

Container Type Description: Fiberboard or plastic drums, barrels, kegs

Waste Quantity: 4

Direction Distance Elevation

ation Site Database(s) EPA ID Number

DOLLAR GENERAL STORE #12086 (Continued)

1016956970

EDR ID Number

Quantity Unit of Measure Code:PQuantity Unit of Measure Description:PoundsWaste Quantity, in Tons:0.002Acute Waste Quantity, in Tons:0Non-Acute Waste Quantity, in Tons:0.002Waste Quantity, in Kilograms:1.8140601Acute Waste Quantity, in Kilograms:0

Non-Acute Waste Quantity, in Kilorgrams: 1.8140601 Management Method Code: H141

Management Method Description: STORAGE, BULKING AND/OR TRANSFER OFF SITE

Waste Residue Indicator: N
Quantity Discrepancy Indicator: N
Waste Type Discrepancy Indicator: N

Waste Density: Not reported Waste Density Unit of Measure Code: Not reported Not reported Waste Density Unit of Measure Description: Not reported Form Code: Form Code Description: Not reported Source Code: Not reported Source Code Description: Not reported Waste Minimization Code: Not reported Waste Minimization Code Description: Not reported Consent Number: Not reported

EPA Waste Indicator:

Manifest Tracking Number: 018877438JJK

Waste Line Number: 2
U.S. DOT Hazardous Indicator: Y
U.S. DOT ID Number: UN1791

U.S. DOT Description: RQ, UN1791, Waste Hypochlorite solutions, 8, PGII, (RQ D002), ERG#154

Non-Hazardous Waste Description: Not reported

Number of Containers: 1
Container Type Code: DF

Container Type Description: Fiberboard or plastic drums, barrels, kegs

Waste Quantity:

Quantity Unit of Measure Code:

Quantity Unit of Measure Description:

Pounds
Waste Quantity, in Tons:

Acute Waste Quantity, in Tons:

Non-Acute Waste Quantity, in Tons:

Waste Quantity, in Kilograms:

0.90703005

Acute Waste Quantity, in Kilograms: 0

Non-Acute Waste Quantity, in Kilorgrams: 0.90703005 Management Method Code: H110

Management Method Description: STABILIZATION

Waste Residue Indicator:

Quantity Discrepancy Indicator:

Waste Type Discrepancy Indicator:

N

Waste Density:
Waste Density Unit of Measure Code:
Waste Density Unit of Measure Description:
Not reported
Not reported
Not reported
Not reported

Form Code:

Form Code Description:

Source Code:

Source Code Description:

Waste Minimization Code:

Waste Minimization Code Description:

Not reported

Not reported

Not reported

Not reported

Not reported

Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

DOLLAR GENERAL STORE #12086 (Continued)

1016956970

Consent Number: Not reported

B10 LARRY J MORRISON PROPERTY UST U003728870 N/A

603 W NOEL ESE

1/8-1/4 MADISONVILLE, KY 42431

0.184 mi.

972 ft. Site 3 of 6 in cluster B

UST: Relative: Higher

LARRY J MORRISON PROPERTY Name:

Address: 603 W NOEL Actual:

EPA Waste Indicator:

MADISONVILLE, KY 42431 449 ft. City, State, Zip: Sequence Id: 20002400

Facility ID: 70029 Owner Name: Larry Morrison Owner Address: 608 Pride Ave Owner Address2: Not reported Owner Address3: Not reported

Owner City, St, Zip: Madisonville, KY 42431

Internal Document ID:

Latitude: -87.508406 Longitude: 37.334201

Inert Material: Not reported 09/05/2000 Removed Date: Change in Service Date: Not reported Tank Pit Num: Not reported Tank Mfg: Not reported Tank EXT Corr Protect: Unknown Tank Overfill Protection: Unknown Last Tank Test Date: Not reported Not reported Relined Date: Not reported Lining Insp Date: Pipe Release Detection: Unknown Pipe Rel Detect Suc: Unknown Pipe Leak Detect: Not reported 03/01/1991 Last Contained Date: Pipe Mfg: Not reported Not reported Last Pipe Test Date: Last CP Test Date: Not reported Added To Flex Date: Not reported Added To Piping Date: Not reported Tank Material: Unknown Tank Release Detect: None Tank Int Protect: Unknown Pipe Material: Unknown

Subject Item ID:

Pipe Ext Corr Protect:

Tank Substance:

Pipe Type:

Tank Status: Removed Tank Verified

Unknown

Unknown

Gasoline

Installation Date: 01/01/1901 Closed In Place Date: 03/01/1991 Capacity in Gallons: 1,000 Compartment Number:

Piping Installation Date: Not reported Added To Tank Date: Not reported

Direction Distance

Elevation Site Database(s) **EPA ID Number**

LARRY J MORRISON PROPERTY (Continued)

U003728870

EDR ID Number

Inert Material: Not reported 09/05/2000 Removed Date: Change in Service Date: Not reported Tank Pit Num: Not reported Tank Mfg: Not reported Tank EXT Corr Protect: Unknown Tank Overfill Protection: Unknown Last Tank Test Date: Not reported Relined Date: Not reported Lining Insp Date: Not reported Unknown Pipe Release Detection: Pipe Rel Detect Suc: Unknown Pipe Leak Detect: Not reported Last Contained Date: 03/01/1991 Pipe Mfg: Not reported Last Pipe Test Date: Not reported Last CP Test Date: Not reported Added To Flex Date: Not reported Added To Piping Date: Not reported Tank Material: Unknown Tank Release Detect: None Tank Int Protect: Unknown Pipe Material: Unknown Pipe Ext Corr Protect: Unknown Pipe Type: Unknown Tank Substance: Gasoline

Subject Item ID:

Tank Status: Removed Tank Verified

Installation Date: 01/01/1901 03/01/1991 Closed In Place Date: 1,000 Capacity in Gallons: Compartment Number:

Piping Installation Date: Not reported Added To Tank Date: Not reported

LARRY J MORRISON PROPERTY

603 W NOEL ESE 1/8-1/4 MADISONVILLE, KY 42431

0.184 mi.

B11

Site 4 of 6 in cluster B

972 ft.

Relative: UST FINDER: Higher Object ID:

Actual: 449 ft.

177341 Facility ID: KY20002400 LARRY J MORRISON PROPERTY Name:

Address: 603 W NOEL

MADISONVILLE, KY 42431 City,State,Zip:

Address Match Type: Not reported

Open USTs: 0 Closed USTs: 2 TOS USTs: 0 Population 1500ft: 795 Private Wells 1500ft: Λ Within 100yr Floodplain: No

Land Use: Developed, Low Intensity

Within SPA: No

SPA PWS Facility ID: Not reported SPA Water Type: Not reported 1028362685

N/A

UST FINDER

UST FINDER RELEASE

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

LARRY J MORRISON PROPERTY (Continued)

1028362685

SPA Facility Type: Not reported Not reported SPA HUC12:

Within WHPA: No

WHPA PWS Facility ID: Not reported WHPA Water Type: Not reported WHPA Facility Type: Not reported WHPA HUC12: Not reported Facility Status: Closed UST(s) Date of Last Inspection: Not reported

EPA Region:

Tribe: Not reported Coordinate Source: State X Coord: -87.508406 Y Coord: 37.3342010000001 Latitude: 37.334201 Longitude: -87.508406

UST FINDER:

Object ID: 582774 Facility ID: KY20002400 Tank ID: KY20002400_1_1

Closed Tank Status: Installation Date: Not reported

2000/09/05 15:59:59+00 Removal Date:

1000 Tank Capacity: Substances: Gasoline Tank Wall Type: Not reported

Object ID: 582775 KY20002400 Facility ID: KY20002400_2_1 Tank ID:

Tank Status: Closed Installation Date: Not reported

2000/09/05 15:59:59+00 Removal Date:

1000 Tank Capacity: Substances: Gasoline Tank Wall Type: Not reported

UST FINDER RELEASE:

170977 Object ID: Facility ID: KY70029 Lust ID: KY7679

LARRY J MORRISON PROPERTY Name:

603 W NOEL Address: MADISONVILLE, KY 0 City,State,Zip:

Address Match Type: Not reported Reported Date: Not reported Status: Unkown Substance: Not reported Population within 1500ft: 794

Domestic Wells within 1500ft:

Land Use: Developed, Low Intensity

Within SPA:

SPA PWS Facility ID: Not reported SPA Water Type: Not reported SPA Facility Type: Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

LARRY J MORRISON PROPERTY (Continued)

1028362685

SPA HUC12: Not reported

Within WHPA: No

WHPA PWS Facility ID: Not reported WHPA Water Type: Not reported WHPA Facility Type: Not reported WHPA HUC12: Not reported

Within 100yr Floodplain: No

Tribe: Not reported

EPA Region:

NFA Letter 1: Not reported NFA Letter 2: Not reported Not reported NFA Letter 3: NFA Letter 4: Not reported Closed With Residual Contaminate: Not reported Coordinate Source: State X Coord: -87.50841

Y Coord: 37.3342000000001

Latitude: 37.3342

Longitude: -87.5084099999999

B12 **AK PETROLEUM** UST FINDER 1028364121 SE **600 W NOEL AVE UST FINDER RELEASE** N/A

600 W NOEL AVE

1/8-1/4 MADISONVILLE, KY 42431

Address:

0.197 mi.

1041 ft. Site 5 of 6 in cluster B

Relative: UST FINDER: Higher Object ID: 177335 Facility ID: KY227054 Actual: Name: **AK PETROLEUM** 448 ft.

> City, State, Zip: MADISONVILLE, KY 42431

Address Match Type: Not reported

Open USTs: 3 Closed USTs: 3 TOS USTs: 0 Population 1500ft: 782 Private Wells 1500ft: 0 Within 100yr Floodplain: No

Land Use: Developed, Low Intensity

Within SPA: No

SPA PWS Facility ID: Not reported SPA Water Type: Not reported SPA Facility Type: Not reported SPA HUC12: Not reported

Within WHPA: No

WHPA PWS Facility ID: Not reported Not reported WHPA Water Type: WHPA Facility Type: Not reported WHPA HUC12: Not reported Facility Status: Open UST(s) Not reported Date of Last Inspection:

EPA Region:

Tribe: Not reported Coordinate Source: State -87.508611 X Coord:

37.3338890000001 Y Coord:

Latitude: 37.333889

Direction Distance Elevation

stance EDR ID Number evation Site Database(s) EPA ID Number

AK PETROLEUM (Continued)

1028364121

Longitude: -87.508611

UST FINDER:

 Object ID:
 608270

 Facility ID:
 KY227054

 Tank ID:
 KY227054_5_1

Tank Status: Closed

Installation Date: 1969/01/01 16:00:01+00 Removal Date: 1989/03/02 16:00:00+00

Tank Capacity: 1000
Substances: Gasoline
Tank Wall Type: Single

 Object ID:
 608271

 Facility ID:
 KY227054

 Tank ID:
 KY227054_4_1

 Tank Status:
 Closed

Installation Date: 1968/01/01 16:00:01+00 Removal Date: 1989/03/02 16:00:00+00

Tank Capacity: 3000
Substances: Gasoline
Tank Wall Type: Single

 Object ID:
 608272

 Facility ID:
 KY227054

 Tank ID:
 KY227054_6_1

 Tank Status:
 Closed

Installation Date: 1966/01/01 16:00:01+00 Removal Date: 1989/03/02 16:00:00+00

Tank Capacity: 1000
Substances: Gasoline
Tank Wall Type: Single

 Object ID:
 620068

 Facility ID:
 KY227054

 Tank ID:
 KY227054_1_1

Tank Status: Open

Installation Date: 1989/02/01 16:00:00+00

Removal Date:

Tank Capacity:

Substances:

Tank Wall Type:

Not reported
4000
REG
Single

 Object ID:
 620069

 Facility ID:
 KY227054

 Tank ID:
 KY227054_2_1

Tank Status: Open

Installation Date: 1989/02/01 16:00:00+00

Removal Date:
Tank Capacity:
Substances:
PRM
Tank Wall Type:
Single

 Object ID:
 620070

 Facility ID:
 KY227054

 Tank ID:
 KY227054_3_1

Tank Status: Open

Installation Date: 1989/02/01 16:00:00+00

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

AK PETROLEUM (Continued)

1028364121

Removal Date: Not reported 4000 Tank Capacity: Substances: Gasoline Tank Wall Type: Single

UST FINDER RELEASE:

170976 Object ID: Facility ID: KY61058 Lust ID: KY7624

AK PETROLEUM Name: Address: 600 W NOEL AVE City,State,Zip: MADISONVILLE, KY 0

Address Match Type: Not reported Reported Date: Not reported Status: Unkown Substance: Not reported Population within 1500ft: 782

Domestic Wells within 1500ft:

Land Use: Developed, Low Intensity

Within SPA: No

SPA PWS Facility ID: Not reported SPA Water Type: Not reported Not reported SPA Facility Type: SPA HUC12: Not reported

Within WHPA: No

WHPA PWS Facility ID: Not reported WHPA Water Type: Not reported WHPA Facility Type: Not reported WHPA HUC12: Not reported

Within 100yr Floodplain: No

Tribe: Not reported

EPA Region:

NFA Letter 1: Not reported NFA Letter 2: Not reported Not reported NFA Letter 3: NFA Letter 4: Not reported Closed With Residual Contaminate: Not reported Coordinate Source: State X Coord: -87.50861

Y Coord: 37.3338900000001 Latitude: 37.3338899999999

Longitude: -87.50861

UST U003201160 B13 **AK PETROLEUM** SE **600 W NOEL AVE** N/A

1/8-1/4 MADISONVILLE, KY 42431

0.197 mi.

448 ft.

1041 ft. Site 6 of 6 in cluster B

UST: Relative: Higher Name: AK PETROLEUM Address: 600 W NOEL AVE Actual:

City, State, Zip: MADISONVILLE, KY 42431 Sequence Id: 227054 Facility ID: 61058 Owner Name: Salim Gowani

Direction Distance Elevation

Site Database(s) EPA ID Number

AK PETROLEUM (Continued)

U003201160

EDR ID Number

Owner Address: 1020 S Main
Owner Address2: Not reported
Owner Address3: Not reported

Owner City, St, Zip: Madisonville, KY 42431

Internal Document ID: (

Latitude: -87.508611 Longitude: 37.333889

Inert Material: Not reported Removed Date: Not reported Change in Service Date: Not reported Tank Pit Num: Not reported

Tank Mfg: Steel Manufacturer Unknown
Tank EXT Corr Protect: Coating & Cathodic Protection
Tank Overfill Protection: Automatic Shutoff Device

Last Tank Test Date: 05/02/2017
Relined Date: Not reported
Lining Insp Date: Not reported
Pipe Release Detection: Line Tightness Test

Pipe Rel Detect Suc: None

Pipe Leak Detect: Not reported Last Contained Date: Not reported Pipe Mfg: PolyTech Last Pipe Test Date: 07/26/2022 Last CP Test Date: 07/24/2020 Added To Flex Date: Not reported Added To Piping Date: Not reported Tank Material: Single Wall Steel Tank Release Detect: Automatic Tank Gauging

Tank Int Protect: Not Applicable
Pipe Material: Flexible Wall
Pipe Ext Corr Protect: Not Applicable
Pipe Type: Pressurized

Tank Substance: GAS-UNL-Reg Unl Gas

Subject Item ID: 1
Tank Status: Active
Installation Date: 02/01/1989
Closed In Place Date: Not reported
Capacity in Gallons: 4,000
Compartment Number: 1

Piping Installation Date: Not reported Added To Tank Date: 07/22/2006

Inert Material: Not reported Removed Date: Not reported Change in Service Date: Not reported Tank Pit Num: Not reported

Tank Mfg: Steel Manufacturer Unknown Tank EXT Corr Protect: Coating & Cathodic Protection

Tank Overfill Protection: Coating & Cathodic Protect

Automatic Shutoff Device

Last Tank Test Date: 06/01/2017
Relined Date: Not reported
Lining Insp Date: Not reported
Pipe Release Detection: Line Tightness Test

Pipe Rel Detect Suc: None
Pipe Leak Detect: Not reported
Last Contained Date: Not reported

Direction Distance Elevation

tance EDR ID Number vation Site Database(s) EPA ID Number

AK PETROLEUM (Continued)

U003201160

Pipe Mfg: PolyTech
Last Pipe Test Date: 07/26/2022
Last CP Test Date: 07/24/2020
Added To Flex Date: Not reported
Added To Piping Date: Not reported
Tank Material: Single Wall Steel
Tank Release Detect: Automatic Tank Gauging

Tank Int Protect: Not Applicable
Pipe Material: Flexible Wall
Pipe Ext Corr Protect: Not Applicable
Pipe Type: Pressurized

Tank Substance: GAS-PRM-Prem Unl Gas

Subject Item ID: 2
Tank Status: Active
Installation Date: 02/01/1989
Closed In Place Date: Not reported
Capacity in Gallons: 4,000
Compartment Number: 1

Piping Installation Date: Not reported Added To Tank Date: 07/22/2006

Inert Material: Not reported Removed Date: Not reported Change in Service Date: Not reported Tank Pit Num: Not reported

Tank Mfg: Steel Manufacturer Unknown
Tank EXT Corr Protect: Coating & Cathodic Protection
Tank Overfill Protection: Automatic Shutoff Device

Last Tank Test Date: 06/07/2019
Relined Date: Not reported
Lining Insp Date: Not reported
Pipe Release Detection: Line Tightness Test

Pipe Rel Detect Suc: None Pipe Leak Detect: Not reported Last Contained Date: Not reported PolyTech Pipe Mfg: Last Pipe Test Date: 07/26/2022 Last CP Test Date: 07/24/2020 Added To Flex Date: Not reported Added To Piping Date: Not reported Tank Material: Single Wall Steel Tank Release Detect: Automatic Tank Gauging

Tank Int Protect: Not Applicable Pipe Material: Flexible Wall Pipe Ext Corr Protect: Not Applicable Pipe Type: Pressurized Tank Substance: Gasoline Subject Item ID: 3 Tank Status: Active Installation Date: 02/01/1989

Closed In Place Date: Not reported Capacity in Gallons: 4,000 Compartment Number: 1

Piping Installation Date: Not reported Added To Tank Date: 07/22/2006

Inert Material: Not reported

Direction Distance Elevation

tion Site Database(s) EPA ID Number

AK PETROLEUM (Continued)

U003201160

EDR ID Number

Removed Date: 03/02/1989 Change in Service Date: Not reported Tank Pit Num: Not reported Tank Mfg: Not reported Tank EXT Corr Protect: Unknown Tank Overfill Protection: Unknown Last Tank Test Date: Not reported Relined Date: Not reported Not reported Lining Insp Date: Pipe Release Detection: Unknown Pipe Rel Detect Suc: Unknown Pipe Leak Detect: Not reported Last Contained Date: Not reported Pipe Mfg: Not reported Last Pipe Test Date: Not reported Last CP Test Date: Not reported Not reported Added To Flex Date: Added To Piping Date: Not reported Tank Material: Single Wall Steel

Tank Release Detect: None
Tank Int Protect: Unknown

Pipe Material: Single Wall Steel

Pipe Ext Corr Protect: Unknown
Pipe Type: Unknown
Tank Substance: Gasoline
Subject Item ID: 4

Tank Status: Removed Tank Verified

Installation Date: 01/01/1968
Closed In Place Date: Not reported
Capacity in Gallons: 3,000
Compartment Number: 1

Piping Installation Date: Not reported Added To Tank Date: Not reported

Not reported Inert Material: 03/02/1989 Removed Date: Change in Service Date: Not reported Tank Pit Num: Not reported Tank Mfg: Not reported Tank EXT Corr Protect: Unknown Tank Overfill Protection: Unknown Not reported Last Tank Test Date: Relined Date: Not reported Lining Insp Date: Not reported Pipe Release Detection: Unknown Pipe Rel Detect Suc: Unknown Pipe Leak Detect: Not reported Last Contained Date: Not reported Pipe Mfg: Not reported Last Pipe Test Date: Not reported Last CP Test Date: Not reported Added To Flex Date: Not reported Added To Piping Date: Not reported Tank Material: Single Wall Steel

Tank Release Detect: None
Tank Int Protect: Unknown
Pipe Material: Single Wall Steel

Direction Distance

Elevation Site Database(s) **EPA ID Number**

AK PETROLEUM (Continued)

U003201160

EDR ID Number

Pipe Ext Corr Protect: Unknown Pipe Type: Unknown Tank Substance: Gasoline Subject Item ID: 5

Tank Status: Removed Tank Verified

01/01/1969 Installation Date: Not reported Closed In Place Date: Capacity in Gallons: 1,000 Compartment Number: 1

Piping Installation Date: Not reported Added To Tank Date: Not reported

Inert Material: Not reported Removed Date: 03/02/1989 Change in Service Date: Not reported Tank Pit Num: Not reported Tank Mfg: Not reported Tank EXT Corr Protect: Unknown Tank Overfill Protection: Unknown Last Tank Test Date: Not reported Relined Date: Not reported Lining Insp Date: Not reported Pipe Release Detection: Unknown Pipe Rel Detect Suc: Unknown Pipe Leak Detect: Not reported Last Contained Date: Not reported Pipe Mfg: Not reported Last Pipe Test Date: Not reported Last CP Test Date: Not reported Added To Flex Date: Not reported Not reported Added To Piping Date: Tank Material: Single Wall Steel

Tank Release Detect: None Tank Int Protect: Unknown Single Wall Steel Pipe Material: Unknown Pipe Ext Corr Protect: Unknown Pipe Type: Tank Substance: Gasoline Subject Item ID: 6

Removed Tank Verified Tank Status:

Installation Date: 01/01/1966 Closed In Place Date: Not reported Capacity in Gallons: 1,000 Compartment Number:

Piping Installation Date: Not reported Added To Tank Date: Not reported

JANICE BEARD PROPERTY RCRA NonGen / NLR 1007094750 KYR000035774

583 WEST NOEL STREET ESE 1/8-1/4 MADISONVILLE, KY 42431

0.202 mi.

C14

1064 ft. Site 1 of 3 in cluster C

Relative: **RCRA Listings:**

Higher Date Form Received by Agency: 20030926 Handler Name: Janice Beard Property Actual: Handler Address: West Noel Street 455 ft.

Handler City, State, Zip: MADISONVILLE, KY 42431

Distance Elevation Sit

Site Database(s) EPA ID Number

JANICE BEARD PROPERTY (Continued)

1007094750

EDR ID Number

 EPA ID:
 KYR000035774

 Contact Name:
 JOHN CASE

 Contact Address:
 BLUESKY PKWY

 Contact City, State, Zip:
 LEXINGTON, KY 40509

Contact Telephone: 859-263-7558
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 04

Land Type: 04
Private

Federal Waste Generator Description: Not a generator, verified

Non-Notifier:

Biennial Report Cycle:

Accessibility:

Active Site Indicator:

State District Owner:

State District:

Not reported

Ky

State District:

0199

Mailing Address: BLUESKY PKWY
Mailing City,State,Zip: LEXINGTON, KY 40509

Owner Name: Janice Beard
Owner Type: Private

Operator Name: Janice Beard Property

Operator Type: Private Short-Term Generator Activity: No Importer Activity: No Mixed Waste Generator: No Transporter Activity: Nο Transfer Facility Activity: No Recycler Activity with Storage: No Small Quantity On-Site Burner Exemption: No Smelting Melting and Refining Furnace Exemption: Nο **Underground Injection Control:** No Off-Site Waste Receipt: No Universal Waste Indicator: No Universal Waste Destination Facility: No Federal Universal Waste: No Active Site State-Reg Handler:

Federal Facility Indicator: Not reported

Hazardous Secondary Material Indicator: NN

Sub-Part K Indicator:

2018 GPRA Permit Baseline:

Not on the Baseline

2018 GPRA Renewals Baseline:

Not on the Baseline

202 GPRA Corrective Action Baseline:

Subject to Corrective Action Universe:

No
Non-TSDFs Where RCRA CA has Been Imposed Universe:

No

Corrective Action Priority Ranking: No NCAPS ranking

Environmental Control Indicator: No Institutional Control Indicator: No Human Exposure Controls Indicator: N/A Groundwater Controls Indicator: N/A Significant Non-Complier Universe: No Unaddressed Significant Non-Complier Universe: No Addressed Significant Non-Complier Universe: No Significant Non-Complier With a Compliance Schedule Universe: No

Financial Assurance Required:
Handler Date of Last Change:
Recognized Trader-Importer:
No
No
No

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

JANICE BEARD PROPERTY (Continued)

1007094750

Recognized Trader-Exporter: No Importer of Spent Lead Acid Batteries: No Exporter of Spent Lead Acid Batteries: No

Recycler Activity Without Storage: Not reported Manifest Broker: Not reported

Sub-Part P Indicator: No

Hazardous Waste Summary:

Waste Code: D001

Waste Description: Ignitable Waste

D008 Waste Code: Waste Description: Lead Waste Code: D018

Handler - Owner Operator:

Waste Description:

Owner/Operator Indicator: Owner

Owner/Operator Name: JANICE BEARD

Legal Status: Private Date Became Current: 20030926 Date Ended Current: Not reported

Owner/Operator Address: **581 WEST NOEL STREET** Owner/Operator City,State,Zip: MADISONVILLE, KY 42431

Benzene

Owner/Operator Telephone: 270-821-0805 Owner/Operator Telephone Ext: Not reported Owner/Operator Fax: Not reported Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator

Owner/Operator Name: JANICE BEARD PROPERTY

Legal Status: Private Date Became Current: 20030926 Date Ended Current: Not reported

Owner/Operator Address: **583 WEST NOEL STREET** Owner/Operator City, State, Zip: MADISONVILLE, KY 42431

Owner/Operator Telephone: 270-821-0805 Owner/Operator Telephone Ext: Not reported Owner/Operator Fax: Not reported Owner/Operator Email: Not reported

Historic Generators:

20030926 Receive Date:

JANICE BEARD PROPERTY Handler Name:

Federal Waste Generator Description: Not a generator, verified

State District Owner: Ky Large Quantity Handler of Universal Waste: No Recognized Trader Importer: No Recognized Trader Exporter: No Spent Lead Acid Battery Importer: No Spent Lead Acid Battery Exporter: Nο Current Record: Yes

Non Storage Recycler Activity: Not reported Electronic Manifest Broker: Not reported

Distance Elevation

Site Database(s) EPA ID Number

JANICE BEARD PROPERTY (Continued)

1007094750

EDR ID Number

List of NAICS Codes and Descriptions:

NAICS Code: 44719

NAICS Description: OTHER GASOLINE STATIONS

Has the Facility Received Notices of Violations:

Found Violation: No Agency Which Determined Violation: Not reported Violation Short Description: Not reported Date Violation was Determined: Not reported Actual Return to Compliance Date: Not reported Return to Compliance Qualifier: Not reported Violation Responsible Agency: Not reported Scheduled Compliance Date: Not reported Enforcement Identifier: Not reported Date of Enforcement Action: Not reported Enforcement Responsible Agency: Not reported **Enforcement Docket Number:** Not reported **Enforcement Attorney:** Not reported Corrective Action Component: Not reported Appeal Initiated Date: Not reported Appeal Resolution Date: Not reported Disposition Status Date: Not reported **Disposition Status:** Not reported Disposition Status Description: Not reported

Consent/Final Order Sequence Number:Not reported

Consent/Final Order Respondent Name: Not reported Consent/Final Order Lead Agency: Not reported

Enforcement Type: Not reported

Enforcement Responsible Person: Not reported Enforcement Responsible Sub-Organization: Not reported

SEP Sequence Number: Not reported

SEP Expenditure Amount: Not reported SEP Scheduled Completion Date: Not reported SEP Actual Date: Not reported SEP Defaulted Date: Not reported SEP Type: Not reported SEP Type Description: Not reported Proposed Amount: Not reported Final Monetary Amount: Not reported Paid Amount: Not reported Final Count: Not reported Final Amount: Not reported

Evaluation Action Summary:

Evaluation Date: 20040329
Evaluation Responsible Agency: State
Found Violation: No

Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION

Evaluation Responsible Person Identifier: KYDEI Evaluation Responsible Sub-Organization: MA

Actual Return to Compliance Date:

Scheduled Compliance Date:

Not reported
Date of Request:

Not reported
Not reported
Not reported
Request Agency:

Former Citation:

Not reported
Not reported
Not reported
Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

D15 ASHMORE DIST UST 1000765879
SE 640 LINCOLN AVE N/A

1/8-1/4 MADISONVILLE, KY 42431

0.214 mi.

1128 ft. Site 1 of 2 in cluster D

 Relative:
 UST:

 Higher
 Name:
 ASHMORE DIST

 Actual:
 Address:
 640 LINCOLN AVE

 441 ft.
 City,State,Zip:
 MADISONVILLE, KY 42431

Sequence Id: 214054 Facility ID: 61070

Owner Name: Ashmore Distributors Inc
Owner Address: 1850 Lakeshore Dr
Owner Address2: Not reported
Owner Address3: Not reported

Owner City, St, Zip: Madisonville, KY 42431

Internal Document ID: 0

Latitude: -87.509167 Longitude: 37.333333

Not reported Inert Material: Removed Date: 06/30/1998 Change in Service Date: Not reported Tank Pit Num: Not reported Tank Mfg: Not reported Tank EXT Corr Protect: Unknown Tank Overfill Protection: Unknown Last Tank Test Date: Not reported Relined Date: Not reported Lining Insp Date: Not reported Pipe Release Detection: Unknown Pipe Rel Detect Suc: Unknown Pipe Leak Detect: Not reported Last Contained Date: Not reported Pipe Mfg: Not reported Last Pipe Test Date: Not reported Last CP Test Date: Not reported

Last CP Test Date:
Added To Flex Date:
Added To Piping Date:
Tank Material:
Not reported
Not reported
Single Wall Steel
None

Tank Int Protect:

Pipe Material:

Pipe Ext Corr Protect:

Unknown

Unknown

Unknown

Unknown

Unknown

Unknown

Unknown

Unknown

Unknown

Unknown

Unknown

Unknown

Subject Item ID: 1

Added To Tank Date:

Tank Status: Removed Tank Verified

Not reported

Installation Date: 01/01/1971
Closed In Place Date: Not reported
Capacity in Gallons: 2,000
Compartment Number: 1
Piping Installation Date: Not reported

Inert Material: Not reported Removed Date: 06/30/1998 Change in Service Date: Not reported

EDR ID Number

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

ASHMORE DIST (Continued)

1000765879

Tank Pit Num: Not reported Not reported Tank Mfg: Tank EXT Corr Protect: Unknown Tank Overfill Protection: Unknown Last Tank Test Date: Not reported Not reported Relined Date: Not reported Lining Insp Date: Unknown Pipe Release Detection: Pipe Rel Detect Suc: Unknown Pipe Leak Detect: Not reported Last Contained Date: Not reported Not reported Pipe Mfg: Not reported Last Pipe Test Date: Last CP Test Date: Not reported Not reported Added To Flex Date: Added To Piping Date: Not reported Tank Material: Single Wall Steel

Tank Release Detect: None Tank Int Protect: Unknown Pipe Material: Unknown Pipe Ext Corr Protect: Unknown Pipe Type: Unknown Tank Substance: Kerosene Subject Item ID:

Tank Status: Removed Tank Verified

Installation Date: 01/01/1980 Closed In Place Date: Not reported Capacity in Gallons: 3,000 Compartment Number:

Piping Installation Date: Not reported Added To Tank Date: Not reported

D16 **ASHMORE DIST** SE **640 LINCOLN AVE** 1/8-1/4 MADISONVILLE, KY 42431

UST FINDER:

0.214 mi.

Site 2 of 2 in cluster D 1128 ft.

Relative: Higher Actual: 441 ft.

Object ID: 177328 Facility ID: KY214054 Name: **ASHMORE DIST** 640 LINCOLN AVE Address: City, State, Zip: MADISONVILLE, KY 42431

Address Match Type: Not reported

Open USTs: Closed USTs: 2 TOS USTs: n Population 1500ft: 738 Private Wells 1500ft: 0 Within 100yr Floodplain:

Land Use: Developed, Low Intensity

Within SPA: Nο

SPA PWS Facility ID: Not reported SPA Water Type: Not reported SPA Facility Type: Not reported SPA HUC12: Not reported

Within WHPA: No 1028363887

N/A

UST FINDER

UST FINDER RELEASE

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

ASHMORE DIST (Continued)

1028363887

WHPA PWS Facility ID: Not reported WHPA Water Type: Not reported WHPA Facility Type: Not reported WHPA HUC12: Not reported Facility Status: Closed UST(s) Date of Last Inspection: Not reported

EPA Region:

Tribe: Not reported Coordinate Source: State X Coord: -87.509167 37.333333 Y Coord: 37.333333 Latitude: -87.509167 Longitude:

UST FINDER:

Object ID: 587103 Facility ID: KY214054 KY214054_2_1 Tank ID: Tank Status: Closed

Installation Date: 1980/01/01 16:00:00+00 1998/06/30 15:59:59+00 Removal Date:

Tank Capacity: 3000 Substances: Kerosene Tank Wall Type: Single

Object ID: 587111 Facility ID: KY214054 KY214054_1_1 Tank ID: Tank Status: Closed

Installation Date: 1971/01/01 16:00:00+00 Removal Date: 1998/06/30 15:59:59+00

Tank Capacity: 2000 Substances: Kerosene Tank Wall Type: Single

UST FINDER RELEASE:

Object ID: 170975 Facility ID: KY61070 Lust ID: KY8013

ASHMORE DIST Name: Address: 640 LINCOLN AVE City, State, Zip: MADISONVILLE, KY 0

Address Match Type: Not reported Reported Date: Not reported Status: Unkown Substance: Not reported

Population within 1500ft: 738 Domestic Wells within 1500ft:

Land Use: Developed, Low Intensity

Within SPA: No

SPA PWS Facility ID: Not reported SPA Water Type: Not reported SPA Facility Type: Not reported SPA HUC12: Not reported Within WHPA: No

WHPA PWS Facility ID: Not reported

Direction Distance

Elevation Site Database(s) **EPA ID Number**

ASHMORE DIST (Continued) 1028363887

WHPA Water Type: Not reported Not reported WHPA Facility Type: WHPA HUC12: Not reported

Within 100yr Floodplain: No

Tribe: Not reported

EPA Region:

NFA Letter 1: Not reported NFA Letter 2: Not reported NFA Letter 3: Not reported NFA Letter 4: Not reported Closed With Residual Contaminate: Not reported Coordinate Source: State X Coord: -87.50917 Y Coord: 37.33333

Latitude: 37.3333299999999 Longitude: -87.5091699999999

C17 **JANICE BEARD PROPERTY UST FINDER** 1028363331 **UST FINDER RELEASE ESE** 538 W NOEL ST N/A

1/8-1/4 0.247 mi.

1306 ft. Site 2 of 3 in cluster C

MADISONVILLE, KY 42431

UST FINDER: Relative: Higher Object ID: 177339 Facility ID: KY20142489 Actual:

Name: JANICE BEARD PROPERTY 457 ft.

> Address: 538 W NOEL ST

City,State,Zip: MADISONVILLE, KY 42431

Address Match Type: Not reported

Open USTs: 0 Closed USTs: 6 TOS USTs: 0 Population 1500ft: 828 Private Wells 1500ft: 0 Within 100yr Floodplain: No

Land Use: Developed, Low Intensity

Within SPA: No

SPA PWS Facility ID: Not reported Not reported SPA Water Type: SPA Facility Type: Not reported SPA HUC12: Not reported Within WHPA:

No

WHPA PWS Facility ID: Not reported WHPA Water Type: Not reported WHPA Facility Type: Not reported WHPA HUC12: Not reported Facility Status: Closed UST(s) Date of Last Inspection: Not reported

EPA Region:

Tribe: Not reported Coordinate Source: State X Coord: -87.507669 37.3340860000001 Y Coord: Latitude: 37.334086 Longitude: -87.507669

UST FINDER:

EDR ID Number

Distance Elevation

ation Site Database(s) EPA ID Number

JANICE BEARD PROPERTY (Continued)

1028363331

EDR ID Number

 Object ID:
 580410

 Facility ID:
 KY20142489

 Tank ID:
 KY20142489_3_1

 Tank Status:
 Closed

Installation Date: Not reported
Removal Date: 2003/09/10 15:59:59+00

Removal Date: 2003/09/1
Tank Capacity: 560
Substances: Gasoline
Tank Wall Type: Single

 Object ID:
 580411

 Facility ID:
 KY20142489

 Tank ID:
 KY20142489_4_1

 Tank Status:
 Closed

Installation Date: Not reported

Removal Date: 2003/09/10 15:59:59+00

Tank Capacity: 720
Substances: Gasoline
Tank Wall Type: Not reported

 Object ID:
 580412

 Facility ID:
 KY20142489

 Tank ID:
 KY20142489_5_1

 Tank Status:
 Closed

 Installation Date:
 Not reported

Removal Date: 2003/09/10 15:59:59+00

Tank Capacity: 300
Substances: Gasoline
Tank Wall Type: Not reported

 Object ID:
 580413

 Facility ID:
 KY20142489

 Tank ID:
 KY20142489_6_1

Tank Status: Closed Installation Date: Not reported

Removal Date: 2003/09/10 15:59:59+00

Tank Capacity:560Substances:GasolineTank Wall Type:Not reported

 Object ID:
 580414

 Facility ID:
 KY20142489

 Tank ID:
 KY20142489_1_1

Tank Status: Closed Installation Date: Not reported

Removal Date: 2003/09/10 15:59:59+00

Tank Capacity:720Substances:GasolineTank Wall Type:Single

 Object ID:
 580415

 Facility ID:
 KY20142489

 Tank ID:
 KY20142489_2_1

 Tank Status:
 Closed

Installation Date: Not reported Removal Date: 2003/09/10 15:59:59+00

Tank Capacity: 1000

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

JANICE BEARD PROPERTY (Continued)

1028363331

Substances: Gasoline Tank Wall Type: Single

UST FINDER RELEASE:

170979 Object ID: Facility ID: KY49971 Lust ID: KY7217

Name: JANICE BEARD PROPERTY

Address: 538 W NOEL ST City,State,Zip: MADISONVILLE, KY 0

Address Match Type: Not reported Reported Date: Not reported Status: Unkown Substance: Not reported Population within 1500ft: 827

Domestic Wells within 1500ft:

Land Use: Developed, Low Intensity

Within SPA:

SPA PWS Facility ID: Not reported SPA Water Type: Not reported Not reported SPA Facility Type: SPA HUC12: Not reported

Within WHPA: No

WHPA PWS Facility ID: Not reported WHPA Water Type: Not reported Not reported WHPA Facility Type: WHPA HUC12: Not reported

Within 100yr Floodplain: No

Not reported Tribe:

EPA Region:

NFA Letter 1: Not reported NFA Letter 2: Not reported NFA Letter 3: Not reported NFA Letter 4: Not reported Closed With Residual Contaminate: Not reported Coordinate Source: State -87.50767 X Coord:

Y Coord: 37.3340900000001

37.33409 Latitude: -87.50767 Longitude:

C18 JANICE BEARD PROPERTY **ESE** 538 W NOEL ST

1/8-1/4 MADISONVILLE, KY 42431

0.247 mi.

1306 ft. Site 3 of 3 in cluster C

UST: Relative:

Higher Name: JANICE BEARD PROPERTY

538 W NOEL ST Address: Actual:

MADISONVILLE, KY 42431 City,State,Zip: 457 ft.

Sequence Id: 20142489 Facility ID: 49971 Owner Name: Janice Beard Owner Address: 581 W Noel St Owner Address2: Not reported

UST

U003990483

N/A

Direction Distance Elevation

tion Site Database(s) EPA ID Number

JANICE BEARD PROPERTY (Continued)

U003990483

EDR ID Number

Owner Address3: Not reported

Owner City, St, Zip: Madisonville, KY 42431

Internal Document ID: 0

Latitude: -87.507669 Longitude: 37.334086

Inert Material: Not reported Removed Date: 09/10/2003 Not reported Change in Service Date: Tank Pit Num: Not reported Tank Mfg: Not reported Tank EXT Corr Protect: Unknown Tank Overfill Protection: Unknown Last Tank Test Date: Not reported Relined Date: Not reported Lining Insp Date: Not reported Unknown Pipe Release Detection: Pipe Rel Detect Suc: Unknown Pipe Leak Detect: Not reported Last Contained Date: Not reported Pipe Mfg: Not reported Last Pipe Test Date: Not reported Last CP Test Date: Not reported Added To Flex Date: Not reported Added To Piping Date: Not reported Single Wall Steel Tank Material:

Tank Release Detect:
Tank Int Protect:
Pipe Material:
Pipe Ext Corr Protect:
Unknown
Pipe Type:
Tank Substance:
Subject Item ID:

None
Unknown
Single Wall Steel
Unknown
Suction
Gasoline

Tank Status: Removed Tank Verified

Not reported

Installation Date: 01/01/1901
Closed In Place Date: 01/01/1978
Capacity in Gallons: 720
Compartment Number: 1

Piping Installation Date: Not reported Added To Tank Date: Not reported

Inert Material:

Removed Date: 09/10/2003 Change in Service Date: Not reported Tank Pit Num: Not reported Tank Mfg: Not reported Tank EXT Corr Protect: Unknown Tank Overfill Protection: Unknown Last Tank Test Date: Not reported Not reported Relined Date: Lining Insp Date: Not reported Pipe Release Detection: Unknown Pipe Rel Detect Suc: Unknown Pipe Leak Detect: Not reported Last Contained Date: Not reported Pipe Mfa: Not reported Last Pipe Test Date: Not reported

Direction Distance Elevation

ion Site Database(s) EPA ID Number

JANICE BEARD PROPERTY (Continued)

U003990483

EDR ID Number

Last CP Test Date: Not reported
Added To Flex Date: Not reported
Added To Piping Date: Not reported
Tank Material: Single Wall Steel

Tank Release Detect:

Tank Int Protect:

Pipe Material:

Pipe Ext Corr Protect:

Pipe Type:

Tank Substance:

Subject Item ID:

Vone

Unknown

Suction

Gasoline

Subject Item ID:

Sune

Unknown

Suction

Gasoline

Tank Status: Removed Tank Verified

Not reported

Single Wall Steel

Installation Date: 01/01/1901
Closed In Place Date: 01/01/1978
Capacity in Gallons: 1,000
Compartment Number: 1

Piping Installation Date: Not reported Added To Tank Date: Not reported

Inert Material:

Tank Material:

Removed Date: 09/10/2003 Change in Service Date: Not reported Tank Pit Num: Not reported Tank Mfg: Not reported Tank EXT Corr Protect: Unknown Tank Overfill Protection: Unknown Last Tank Test Date: Not reported Relined Date: Not reported Lining Insp Date: Not reported Pipe Release Detection: Unknown Unknown Pipe Rel Detect Suc: Pipe Leak Detect: Not reported Last Contained Date: Not reported Pipe Mfg: Not reported Last Pipe Test Date: Not reported Last CP Test Date: Not reported Added To Flex Date: Not reported Added To Piping Date: Not reported

Tank Release Detect: None
Tank Int Protect: Unknown
Pipe Material: Single Wall Steel
Pipe Ext Corr Protect: Unknown
Pipe Type: Suction

Tank Substance: Gasoline Subject Item ID: 3

Tank Status: Removed Tank Verified

Installation Date: 01/01/1901 Closed In Place Date: 01/01/1978 Capacity in Gallons: 560 Compartment Number: 1

Piping Installation Date: Not reported Added To Tank Date: Not reported

Inert Material: Not reported Removed Date: 09/10/2003 Change in Service Date: Not reported

Distance Elevation

Site Database(s) EPA ID Number

JANICE BEARD PROPERTY (Continued)

U003990483

EDR ID Number

Tank Pit Num: Not reported Tank Mfg: Not reported Tank EXT Corr Protect: Unknown Tank Overfill Protection: Unknown Last Tank Test Date: Not reported Relined Date: Not reported Lining Insp Date: Not reported Pipe Release Detection: Unknown Pipe Rel Detect Suc: Unknown Pipe Leak Detect: Not reported Last Contained Date: Not reported Not reported Pipe Mfg: Last Pipe Test Date: Not reported Last CP Test Date: Not reported Added To Flex Date: Not reported Added To Piping Date: Not reported Unknown Tank Material: Tank Release Detect: None Tank Int Protect: Unknown Pipe Material: Unknown Pipe Ext Corr Protect: Unknown Pipe Type: Unknown Gasoline Tank Substance: Subject Item ID:

Tank Status: Removed Tank Verified

Installation Date: 01/01/1901
Closed In Place Date: Not reported
Capacity in Gallons: 720

Compartment Number: 1

Piping Installation Date: Not reported Added To Tank Date: Not reported

Inert Material: Not reported Removed Date: 09/10/2003 Change in Service Date: Not reported Tank Pit Num: Not reported Tank Mfg: Not reported Tank EXT Corr Protect: Unknown Tank Overfill Protection: Unknown Last Tank Test Date: Not reported Not reported Relined Date: Not reported Lining Insp Date: Pipe Release Detection: Unknown Pipe Rel Detect Suc: Unknown Pipe Leak Detect: Not reported Last Contained Date: Not reported Pipe Mfg: Not reported Last Pipe Test Date: Not reported Last CP Test Date: Not reported Not reported Added To Flex Date: Added To Piping Date: Not reported Tank Material: Unknown Tank Release Detect: None Tank Int Protect: Unknown Pipe Material: Unknown Pipe Ext Corr Protect: Unknown Pipe Type: Unknown

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

JANICE BEARD PROPERTY (Continued)

U003990483

Tank Substance: Gasoline

Subject Item ID: 5

Tank Status: Removed Tank Verified

Installation Date: 01/01/1901 Closed In Place Date: Not reported Capacity in Gallons: 300 Compartment Number:

Piping Installation Date: Not reported Added To Tank Date: Not reported

Inert Material: Not reported 09/10/2003 Removed Date: Change in Service Date: Not reported Tank Pit Num: Not reported Tank Mfg: Not reported Tank EXT Corr Protect: Unknown Tank Overfill Protection: Unknown Last Tank Test Date: Not reported Relined Date: Not reported Lining Insp Date: Not reported Pipe Release Detection: Unknown Pipe Rel Detect Suc: Unknown Pipe Leak Detect: Not reported Last Contained Date: Not reported Pipe Mfg: Not reported Last Pipe Test Date: Not reported Last CP Test Date: Not reported Added To Flex Date: Not reported Added To Piping Date: Not reported Tank Material: Unknown Tank Release Detect: None Tank Int Protect: Unknown Pipe Material: Unknown

Tank Status: Removed Tank Verified

Unknown

Unknown

Gasoline

Installation Date: 01/01/1901 Closed In Place Date: Not reported

560 Capacity in Gallons: Compartment Number:

Pipe Ext Corr Protect:

Tank Substance:

Subject Item ID:

Pipe Type:

Piping Installation Date: Not reported Added To Tank Date: Not reported

19 **MAX ARNOLD & SONS INC** SE

181 MURRAY ST 1/4-1/2 MADISONVILLE, KY 42431

0.278 mi. 1466 ft.

Relative: **UST FINDER:** Higher Object ID:

Facility ID: KY7491054 Actual: Name: MAX ARNOLD & SONS INC 442 ft.

Address: 181 MURRAY ST

City,State,Zip: MADISONVILLE, KY 42431

177318

Address Match Type: Not reported 1028371541

N/A

UST FINDER

UST FINDER RELEASE

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

MAX ARNOLD & SONS INC (Continued)

1028371541

Open USTs: 0 Closed USTs: 5 TOS USTs: 0 Population 1500ft: 716 Private Wells 1500ft: 0 Within 100yr Floodplain: No

Land Use: Developed, Low Intensity

Within SPA: No

SPA PWS Facility ID: Not reported SPA Water Type: Not reported SPA Facility Type: Not reported SPA HUC12: Not reported

Within WHPA: No

WHPA PWS Facility ID: Not reported Not reported WHPA Water Type: Not reported WHPA Facility Type: WHPA HUC12: Not reported Closed UST(s) Facility Status: Date of Last Inspection: Not reported

EPA Region: 4

Tribe: Not reported Coordinate Source: State X Coord: -87.509419 Y Coord: 37.3326900000001

Latitude: 37.33269 Longitude: -87.509419

UST FINDER:

Object ID: 602338 Facility ID: KY7491054 Tank ID: KY7491054_5_1

Tank Status: Closed

Installation Date: 1972/01/01 16:00:00+00 Removal Date: 1992/01/09 15:59:59+00

280 Tank Capacity: Oil Substances: Tank Wall Type: Single

Object ID: 585518 Facility ID: KY7491054 Tank ID: KY7491054_4_1 Tank Status: Closed

Installation Date: 1972/01/01 16:00:00+00 Removal Date: 1998/10/13 15:59:59+00

Tank Capacity: 2000 Substances: Diesel Tank Wall Type: Single

Object ID: 585519 Facility ID: KY7491054 Tank ID: KY7491054_1_1

Tank Status: Closed

Installation Date: 1970/01/01 16:00:00+00 1998/10/13 15:59:59+00 Removal Date:

Tank Capacity: 8000 Substances: Gasoline Tank Wall Type: Single

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

MAX ARNOLD & SONS INC (Continued)

1028371541

Object ID: 585521 Facility ID: KY7491054 Tank ID: KY7491054_2_1 Tank Status: Closed

Installation Date: 1952/01/01 16:00:01+00 Removal Date: 1998/10/13 15:59:59+00

6000 Tank Capacity: Substances: Gasoline Tank Wall Type: Single

Object ID: 585522 Facility ID: KY7491054 Tank ID: KY7491054_3_1

Tank Status: Closed

Installation Date: 1952/01/01 16:00:01+00 Removal Date: 1998/10/13 15:59:59+00

Tank Capacity: 6000 Gasoline Substances: Tank Wall Type: Single

UST FINDER RELEASE:

Object ID: 170972 Facility ID: KY5301 Lust ID: KY2748

Name: MAX ARNOLD & SONS INC Address: 181 MURRAY ST

City, State, Zip: MADISONVILLE, KY 0 Address Match Type: Not reported

Reported Date: Not reported Status: Unkown Substance: Not reported

Population within 1500ft: 715 Domestic Wells within 1500ft:

Land Use: Developed, Low Intensity

Within SPA: No

SPA PWS Facility ID: Not reported SPA Water Type: Not reported Not reported SPA Facility Type: SPA HUC12: Not reported Within WHPA: No

WHPA PWS Facility ID: Not reported WHPA Water Type: Not reported Not reported WHPA Facility Type: WHPA HUC12: Not reported

Within 100yr Floodplain: No

Tribe: Not reported

EPA Region:

NFA Letter 1: Not reported NFA Letter 2: Not reported NFA Letter 3: Not reported NFA Letter 4: Not reported Closed With Residual Contaminate: Not reported Coordinate Source: State X Coord: -87.50942

Y Coord: 37.3326900000001 37.3326899999999 Latitude:

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

MAX ARNOLD & SONS INC (Continued)

1028371541

Longitude: -87.50942

MADISONVILLE STATE VO-TECH SCHOOL **SHWS** 20 1000263128 SSE **150 SCHOOL AVENUE** UST KYD120195540

1/4-1/2 MADISONVILLE, KY 42431 **RCRA NonGen / NLR** 0.304 mi. **FINDS** 1603 ft. **ECHO**

Relative: SHWS:

Higher MADISONVILLE COMMUNITY COLLEGE Name:

Address: 150 SCHOOL AVE. Actual: MADISONVILLE, KY 42431 City,State,Zip: 443 ft.

Facility Id: 52360 Status: Closed

Description: MADISONVILLE STATE VO-TECH / KENTUCKY BOARD OF EDU (Closed: Unfounded)

Closure Date: 01/04/2001 Longitude: -87.511150 Latitude: 37.330752 Hopkins Subject Item County: Sub Item Longitude: -87.487300 Sub Item Latitude: 37.328000 Subject Item Address: 150 School Ave Subject Item Address2: Not reported

Subject Item City, St, Zip: Madisonville, KY 42431 Regulatory Desc: Petroleum Cleanup

Closure Option: Unfounded Side SG: 35597 Acreage: Not reported

UST:

MADISONVILLE COMMUNITY COLLEGE Name:

Address: 150 SCHOOL AVE MADISONVILLE, KY 42431 City, State, Zip:

Sequence Id: 330054 Facility ID: 52360 Owner Name: NONE Owner Address: Not reported Owner Address2: Not reported Owner Address3: Not reported

Owner City, St, Zip: NONE, NONE NONE

Internal Document ID: 0

Latitude: -87.51115 Longitude: 37.330752

Inert Material: Not reported Removed Date: Not reported Change in Service Date: Not reported Tank Pit Num: Not reported Tank Mfg: Not reported Tank EXT Corr Protect: None Tank Overfill Protection: Unknown Last Tank Test Date: Not reported Relined Date: Not reported Lining Insp Date: Not reported Pipe Release Detection: Unknown Pipe Rel Detect Suc: Unknown Pipe Leak Detect: Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

MADISONVILLE STATE VO-TECH SCHOOL (Continued)

1000263128

Last Contained Date: Not reported Not reported Pipe Mfg: Last Pipe Test Date: Not reported Last CP Test Date: Not reported Added To Flex Date: Not reported Not reported Added To Piping Date: Single Wall Steel Tank Material:

Tank Release Detect: None Tank Int Protect: Unknown Pipe Material: Unknown Pipe Ext Corr Protect: Unknown Pipe Type: Unknown Tank Substance: Fuel Oil Subject Item ID: Tank Status: Exempt Installation Date: 01/01/1970 Closed In Place Date: Not reported Capacity in Gallons: 10,000 Compartment Number:

Not reported Piping Installation Date: Added To Tank Date: Not reported

RCRA Listings:

Date Form Received by Agency: 20111209

Madisonville Community College Kctcs Handler Name:

Handler Address: School Avenue

Handler City, State, Zip: MADISONVILLE, KY 42431

EPA ID: KYD120195540 Contact Name: **EDDIE MARKS** Contact Address: **COLLEGE DRIVE** Contact City, State, Zip: MADISONVILLE, KY 42431

Contact Telephone: 270-824-1754 Contact Fax: Not reported Contact Email: Not reported Contact Title: Not reported EPA Region: 04

Land Type: Private

Federal Waste Generator Description: Not a generator, verified

Not reported Non-Notifier: Biennial Report Cycle: Not reported Accessibility: Not reported Active Site Indicator: Not reported State District Owner: Ky State District: 0199

Mailing Address: **COLLEGE DRIVE**

Mailing City, State, Zip: MADISONVILLE, KY 42431 Owner Name: Kentucky Department Of Education

Owner Type: State Operator Name: State Of Ky Operator Type: State Short-Term Generator Activity: No Importer Activity: No Mixed Waste Generator: No

Transporter Activity: No Transfer Facility Activity: No Recycler Activity with Storage: No Small Quantity On-Site Burner Exemption: No

MAP FINDINGS Map ID Direction

Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

MADISONVILLE STATE VO-TECH SCHOOL (Continued)

1000263128

Smelting Melting and Refining Furnace Exemption: No **Underground Injection Control:** No Off-Site Waste Receipt: No Universal Waste Indicator: No Universal Waste Destination Facility: No Federal Universal Waste: No Active Site State-Reg Handler:

Federal Facility Indicator: Not reported

Hazardous Secondary Material Indicator: NN

Sub-Part K Indicator: Not reported 2018 GPRA Permit Baseline: Not on the Baseline 2018 GPRA Renewals Baseline: Not on the Baseline

202 GPRA Corrective Action Baseline: No Subject to Corrective Action Universe: No Non-TSDFs Where RCRA CA has Been Imposed Universe: No

Corrective Action Priority Ranking: No NCAPS ranking

Environmental Control Indicator: No Institutional Control Indicator: No Human Exposure Controls Indicator: N/A Groundwater Controls Indicator: N/A Significant Non-Complier Universe: No Unaddressed Significant Non-Complier Universe: No Addressed Significant Non-Complier Universe: No Significant Non-Complier With a Compliance Schedule Universe: No

Financial Assurance Required: Not reported Handler Date of Last Change: 20111212 Recognized Trader-Importer: No Recognized Trader-Exporter: No Importer of Spent Lead Acid Batteries: No Exporter of Spent Lead Acid Batteries: No

Recycler Activity Without Storage: Not reported Manifest Broker: Not reported

Sub-Part P Indicator: No

Hazardous Waste Summary:

Waste Code: D001

Waste Description: Ignitable Waste

Waste Code: D005 Waste Description: **Barium**

Waste Code: D006 Waste Description: Cadmium

Waste Code: D007 Waste Description: Chromium

D008 Waste Code: Waste Description: Lead

Waste Code: D035

Waste Description: Methyl Ethyl Ketone

Waste Code: D039

Waste Description: Tetrachloroethylene

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

MADISONVILLE STATE VO-TECH SCHOOL (Continued)

1000263128

Waste Code: D040

Waste Description: Trichlorethylene

Waste Code:

Waste Description: 2-Propanone (I) (Or) Acetone (I)

Waste Code: U031

Waste Description: 1-Butanol (I) (Or) N-Butyl Alcohol (I)

Waste Code: U057

Waste Description: Cyclohexanone (I)

Waste Code: U080

Waste Description: Methane, Dichloro- (Or) Methylene Chloride

U112 Waste Code:

Acetic Acid, Ethyl Ester (I) (Or) Ethyl Acetate (I) Waste Description:

Waste Code:

Waste Description: Methanol (I) (Or) Methyl Alcohol (I)

Waste Code: U159

Waste Description: 2-Butanone (I,T) (Or) Methyl Ethyl Ketone (Mek) (I,T)

Waste Code:

Waste Description: 4-Methyl-2-Pentanone (I) (Or) Methyl Isobutyl Ketone (I) (Or)

Pentanol, 4-Methyl-

Waste Code: U210

Waste Description: Ethene, Tetrachloro- (Or) Tetrachloroethylene

Waste Code: U220

Waste Description: Benzene, Methyl- (Or) Toluene

Waste Code: U228

Waste Description: Ethene, Trichloro- (Or) Trichloroethylene

Waste Code:

Waste Description: Benzene, Dimethyl- (I,T) (Or) Xylene (I)

Handler - Owner Operator:

Owner/Operator Indicator: Owner Owner/Operator Name: KENTUCKY DEPARTMENT OF EDUCATION Legal Status: State Date Became Current: Not reported Date Ended Current: Not reported Owner/Operator Address: UNKNOWN

Owner/Operator City, State, Zip: UNKNOWN, KY 00000

502-825-6544 Owner/Operator Telephone: Owner/Operator Telephone Ext: Not reported Owner/Operator Fax: Not reported Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner Owner/Operator Name: KENTUCKY DEPARTMENT OF EDUCATION Legal Status: Date Became Current: Not reported

Distance

Elevation Site Database(s) EPA ID Number

MADISONVILLE STATE VO-TECH SCHOOL (Continued)

1000263128

EDR ID Number

Date Ended Current:

Owner/Operator Address:

Not reported
UNKNOWN

Owner/Operator City, State, Zip: UNKNOWN, KY 00000

Owner/Operator Telephone: 502-825-6544
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator

Owner/Operator Name: STATE OF KY

Legal Status: State Date Became Current: 19990101 Date Ended Current: Not reported Owner/Operator Address: Not reported Owner/Operator City, State, Zip: Not reported Owner/Operator Telephone: Not reported Owner/Operator Telephone Ext: Not reported Owner/Operator Fax: Not reported Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 19910617
Handler Name: MADISONVILLE STATE VO-TECH SCHOOL

Federal Waste Generator Description: Not a generator, verified

State District Owner:

Large Quantity Handler of Universal Waste:

No
Recognized Trader Importer:

No
Recognized Trader Exporter:

No
Spent Lead Acid Battery Importer:

No
Spent Lead Acid Battery Exporter:

No
Current Record:

Non Storage Recycler Activity: Not reported Electronic Manifest Broker: Not reported

Receive Date: 20111209

Handler Name: MADISONVILLE COMMUNITY COLLEGE KCTCS
Federal Waste Generator Description: Not a generator, verified

State District Owner: Ky

Recognized Trader Importer:

Recognized Trader Exporter:

No
Spent Lead Acid Battery Importer:

No
Spent Lead Acid Battery Exporter:

No
Current Record:

No
System System

Non Storage Recycler Activity: Not reported Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 61121

NAICS Description: JUNIOR COLLEGES

Has the Facility Received Notices of Violations:

Found Violation: No

Agency Which Determined Violation:

Violation Short Description:

Not reported

Not reported

Not reported

Not reported

MAP FINDINGS Map ID Direction

Distance Elevation

Site Database(s) **EPA ID Number**

MADISONVILLE STATE VO-TECH SCHOOL (Continued)

1000263128

EDR ID Number

Actual Return to Compliance Date: Not reported Return to Compliance Qualifier: Not reported Violation Responsible Agency: Not reported Scheduled Compliance Date: Not reported Enforcement Identifier: Not reported Not reported Date of Enforcement Action: Enforcement Responsible Agency: Not reported Not reported **Enforcement Docket Number: Enforcement Attorney:** Not reported Corrective Action Component: Not reported Appeal Initiated Date: Not reported Appeal Resolution Date: Not reported Disposition Status Date: Not reported **Disposition Status:** Not reported Disposition Status Description: Not reported Consent/Final Order Sequence Number:Not reported Consent/Final Order Respondent Name: Not reported Consent/Final Order Lead Agency: Not reported **Enforcement Type:** Not reported Enforcement Responsible Person: Not reported Enforcement Responsible Sub-Organization: Not reported SEP Sequence Number: Not reported SEP Expenditure Amount: Not reported SEP Scheduled Completion Date: Not reported SEP Actual Date: Not reported SEP Defaulted Date: Not reported SEP Type: Not reported SEP Type Description: Not reported Proposed Amount: Not reported Not reported Final Monetary Amount: Paid Amount: Not reported Final Count: Not reported Final Amount: Not reported Found Violation: No Agency Which Determined Violation: Not reported Violation Short Description: Not reported Date Violation was Determined: Not reported Actual Return to Compliance Date: Not reported Return to Compliance Qualifier: Not reported Violation Responsible Agency: Not reported Scheduled Compliance Date: Not reported Enforcement Identifier: Not reported Date of Enforcement Action: Not reported Enforcement Responsible Agency: Not reported **Enforcement Docket Number:** Not reported

Enforcement Attorney: Not reported Corrective Action Component: Not reported Appeal Initiated Date: Not reported Appeal Resolution Date: Not reported Disposition Status Date: Not reported **Disposition Status:** Not reported Not reported Disposition Status Description: Consent/Final Order Sequence Number:Not reported

Consent/Final Order Respondent Name: Not reported

Consent/Final Order Lead Agency: Not reported

Enforcement Type: Not reported Map ID MAP FINDINGS Direction

Distance Elevation

Site Database(s) EPA ID Number

Not reported

MADISONVILLE STATE VO-TECH SCHOOL (Continued)

1000263128

EDR ID Number

ADISONVILLE STATE VO-TECTI SCHOOL (COIRINGEA)	
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number: Not reported	
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:Not reported	
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type: Not reported	
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number: Not reported	
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported Not reported
Proposed Amount:	
Final Monetary Amount: Paid Amount:	Not reported
Final Count:	Not reported Not reported
Final Count: Final Amount:	Not reported
i mai Amount.	Hot reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported

Date Violation was Determined:

MAP FINDINGS Map ID Direction

Distance Elevation Site

EDR ID Number Database(s) **EPA ID Number**

MADISONVILLE STATE VO-TECH SCHOOL (Continued)

1000263128

Actual Return to Compliance Date: Not reported Return to Compliance Qualifier: Not reported Violation Responsible Agency: Not reported Scheduled Compliance Date: Not reported Enforcement Identifier: Not reported Date of Enforcement Action: Not reported Not reported Enforcement Responsible Agency: **Enforcement Docket Number:** Not reported Not reported **Enforcement Attorney:** Corrective Action Component: Not reported Appeal Initiated Date: Not reported Not reported Appeal Resolution Date: Disposition Status Date: Not reported **Disposition Status:** Not reported Disposition Status Description: Not reported

Consent/Final Order Sequence Number:Not reported

Consent/Final Order Respondent Name: Not reported Consent/Final Order Lead Agency: Not reported

Enforcement Type: Not reported

Enforcement Responsible Person: Not reported Enforcement Responsible Sub-Organization: Not reported

SEP Sequence Number: Not reported

SEP Expenditure Amount: Not reported SEP Scheduled Completion Date: Not reported SEP Actual Date: Not reported SEP Defaulted Date: Not reported SEP Type: Not reported SEP Type Description: Not reported Proposed Amount: Not reported Final Monetary Amount: Not reported Paid Amount: Not reported Final Count: Not reported Final Amount: Not reported

Evaluation Action Summary:

20150224 **Evaluation Date:** Evaluation Responsible Agency: State Found Violation:

COMPLIANCE EVALUATION INSPECTION Evaluation Type Description:

Evaluation Responsible Person Identifier: **KYCSC** Evaluation Responsible Sub-Organization: MA Actual Return to Compliance Date: Not reported

Scheduled Compliance Date: Not reported Date of Request: Not reported Date Response Received: Not reported Request Agency: Not reported Former Citation: Not reported

Evaluation Date: 19951110 Evaluation Responsible Agency: State Found Violation: No

COMPLIANCE EVALUATION INSPECTION **Evaluation Type Description:**

Evaluation Responsible Person Identifier: **KYCTH** Evaluation Responsible Sub-Organization: MA

Actual Return to Compliance Date: Not reported Scheduled Compliance Date: Not reported Date of Request: Not reported

Direction Distance Elevation

tance EDR ID Number vation Site Database(s) EPA ID Number

MADISONVILLE STATE VO-TECH SCHOOL (Continued)

1000263128

Date Response Received:Not reportedRequest Agency:Not reportedFormer Citation:Not reported

Evaluation Date: 20080324
Evaluation Responsible Agency: State
Found Violation: No

Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION

Evaluation Responsible Person Identifier: KYBAP Evaluation Responsible Sub-Organization: MA

Actual Return to Compliance Date:

Scheduled Compliance Date:

Not reported
Date of Request:

Not reported
Not reported
Not reported
Request Agency:

Former Citation:

Not reported
Not reported
Not reported
Not reported

Evaluation Date: 20110408
Evaluation Responsible Agency: State
Found Violation: No

Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION

Evaluation Responsible Person Identifier: KYDAD Evaluation Responsible Sub-Organization: MA

Actual Return to Compliance Date:

Scheduled Compliance Date:

Not reported

Not reported

Date of Request:

Not reported

Not reported

Not reported

Not reported

Not reported

Not reported

Request Agency:

Not reported

Not reported

Not reported

Not reported

Not reported

FINDS:

Registry ID: 110003227259

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:

KENTUCKY- Tools for Environmental Management and Protection Organizations (KY-TEMPO) is Kentucky's central repository for facility data and includes permits, surveillance, enforcement, and remediation information.

The Resource Conservation and Recovery Act Information System (RCRAInfo) is EPA's comprehensive information system in support of the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. It tracks many types of information about generators, transporters, treaters, storers, and disposers of hazardous waste.

<u>Click this hyperlink</u> while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000263128 Registry ID: 110003227259

DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110003227259

Name: MADISONVILLE STATE VO-TECH SCHOOL

Address: 150 SCHOOL AVENUE
City,State,Zip: MADISONVILLE, KY 42431

Direction Distance

Elevation Site Database(s) **EPA ID Number**

21 **GORDON CONSTRUCTION LANDFILL** SWF/LF S123109269 **East**

BROWN ST N/A

1/4-1/2 MADISONVILLE, KY 42431

0.351 mi. 1853 ft.

Relative: LF:

Higher GORDON CONSTRUCTION LANDFILL Name:

Address: **BROWN ST** Actual:

MADISONVILLE, KY 42431 City,State,Zip: 478 ft.

Facility ID: 43283 Status: Terminated Permit Number: 05400042-1 ACTV0000000001 SI ID: 05400042-1 SI Designation:

Al Name: Gordon Construction Landfill

Rel Entity ID: Not reported

Facility Type: CDD Landfill <1 Acre-SW-RPBR

37.337778 Latitude:

-87.504722000000001 Longitude: Permittee city/state/zip: MADISONVILLE, KY 42431

Permit expired date: Not reported Related Entity Name: Not reported Related Entity Address1: Not reported Related Entity Address2: Not reported Related Entity Municipality: Not reported Related Entity State: Not reported Related Entity Zip: Not reported Related Entity Type: Not reported

SI Description: LANDFILL, CDD < 1 ACRE-ACTIVITY CEASED

Date Last Site Insp.: Not reported Last Inspector: Not reported Related Entity Specific Type: Not reported

22 **JOY MANUFACTURING CO** 1028368028 **UST FINDER** NW 555 BROWN LN **UST FINDER RELEASE** N/A

1/4-1/2 MADISONVILLE, KY 42431

0.364 mi. 1921 ft.

UST FINDER: Relative: Lower Object ID: 177415 Facility ID: KY4582054 Actual:

Name: JOY MANUFACTURING CO 426 ft.

Address: 555 BROWN LN

City, State, Zip: MADISONVILLE, KY 42431

Address Match Type: Not reported

Open USTs: 0 Closed USTs: 2 TOS USTs: n Population 1500ft: 308 Private Wells 1500ft: 0 Within 100yr Floodplain: No

Land Use: Non-Developed

Within SPA: No

SPA PWS Facility ID: Not reported SPA Water Type: Not reported SPA Facility Type: Not reported SPA HUC12: Not reported

Within WHPA: No **EDR ID Number**

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

JOY MANUFACTURING CO (Continued)

1028368028

WHPA PWS Facility ID: Not reported WHPA Water Type: Not reported WHPA Facility Type: Not reported WHPA HUC12: Not reported Facility Status: Closed UST(s) Date of Last Inspection: Not reported

EPA Region:

Tribe: Not reported Coordinate Source: State X Coord: -87.520296 37.3401250000001 Y Coord: 37.340125 Latitude: -87.520296 Longitude:

UST FINDER:

Object ID: 603051 Facility ID: KY4582054 Tank ID: KY4582054_1_1 Tank Status: Closed

Installation Date: 1965/01/01 16:00:01+00 1991/07/25 15:59:59+00 Removal Date:

Tank Capacity: 1000 Substances: Gasoline Tank Wall Type: Single

Object ID: 603052 Facility ID: KY4582054 Tank ID: KY4582054 2 1

Tank Status: Closed

Installation Date: 1965/01/01 16:00:01+00 1991/07/25 15:59:59+00 Removal Date:

Tank Capacity: 1000 Substances: Diesel Tank Wall Type: Single

UST FINDER RELEASE:

Object ID: 170948 Facility ID: KY64544 KY7349 Lust ID:

JOY MANUFACTURING CO Name:

Address: 555 BROWN LN City, State, Zip: MADISONVILLE, KY 0 Address Match Type: Not reported

Reported Date: Not reported Unkown Status: Substance: Not reported

Population within 1500ft: 307 Domestic Wells within 1500ft:

Land Use: Non-Developed

Within SPA: No

SPA PWS Facility ID: Not reported SPA Water Type: Not reported SPA Facility Type: Not reported SPA HUC12: Not reported Within WHPA: No

WHPA PWS Facility ID: Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

JOY MANUFACTURING CO (Continued)

1028368028

WHPA Water Type: Not reported Not reported WHPA Facility Type: WHPA HUC12: Not reported Within 100yr Floodplain: No

Tribe: Not reported

EPA Region:

NFA Letter 1: Not reported NFA Letter 2: Not reported NFA Letter 3: Not reported NFA Letter 4: Not reported Closed With Residual Contaminate: Not reported Coordinate Source: State X Coord: -87.5203 Y Coord: 37.34013 Latitude: 37.34013 Longitude: -87.5203

E23 THOMPSON SANITARY SUPPLY **UST FINDER** 1028363987 **UST FINDER RELEASE ESE** 158 LUNSFORD N/A MADISONVILLE, KY 42431 1/4-1/2

0.481 mi.

2540 ft. Site 1 of 2 in cluster E

UST FINDER: Relative: Higher Object ID: 177308 Facility ID: KY220054 Actual:

Name: THOMPSON SANITARY SUPPLY 460 ft.

> Address: 158 LUNSFORD

MADISONVILLE, KY 42431 City,State,Zip:

Address Match Type: Not reported

Open USTs: 0 Closed USTs: TOS USTs: 0 Population 1500ft: 1001 Private Wells 1500ft: 0 Within 100yr Floodplain: No

Land Use: Developed, Open Space

Within SPA: No

SPA PWS Facility ID: Not reported Not reported SPA Water Type: SPA Facility Type: Not reported SPA HUC12: Not reported Within WHPA: No

WHPA PWS Facility ID: Not reported WHPA Water Type: Not reported WHPA Facility Type: Not reported WHPA HUC12: Not reported Facility Status: Closed UST(s) Date of Last Inspection: Not reported

EPA Region:

Tribe: Not reported Coordinate Source: State

X Coord: -87.5043439999999 Y Coord: 37.3316070000001 Latitude: 37.331607 Longitude: -87.504344

UST FINDER:

Direction Distance

Elevation Site Database(s) **EPA ID Number**

THOMPSON SANITARY SUPPLY (Continued)

1028363987

EDR ID Number

Object ID: 607609 Facility ID: KY220054 Tank ID: KY220054_1_1 Tank Status: Closed

Installation Date: 1980/01/01 16:00:00+00 1989/07/01 16:00:00+00 Removal Date:

Tank Capacity: 550 Substances: Gasoline Tank Wall Type: Single

UST FINDER RELEASE:

Object ID: 170990 Facility ID: KY67464 Lust ID: KY2305

THOMPSON SANITARY SUPPLY Name:

158 LUNSFORD Address: City,State,Zip: MADISONVILLE, KY 0

Address Match Type: Not reported Reported Date: Not reported Status: Unkown Substance: Not reported Population within 1500ft: 1002 Domestic Wells within 1500ft:

Land Use: Developed, Open Space

Within SPA:

Not reported SPA PWS Facility ID: SPA Water Type: Not reported SPA Facility Type: Not reported SPA HUC12: Not reported

Within WHPA: No

WHPA PWS Facility ID: Not reported WHPA Water Type: Not reported WHPA Facility Type: Not reported WHPA HUC12: Not reported

Within 100yr Floodplain: No

Tribe: Not reported

EPA Region:

NFA Letter 1: Not reported Not reported NFA Letter 2: Not reported NFA Letter 3: NFA Letter 4: Not reported Closed With Residual Contaminate: Not reported Coordinate Source: State X Coord: -87.50434

Y Coord: 37.3316100000001 Latitude: 37.3316099999999 -87.5043399999999 Longitude:

Direction Distance

Distance Elevation Site EDR ID Number

EDR ID Number

EPA ID Number

F24 BROWNING SPRINGS MIDDLE SCHOOL UST FINDER 1028369727
SE 357 W ARCH ST UST FINDER RELEASE N/A

1/4-1/2 MADISONVILLE, KY 42431

0.485 mi.

2560 ft. Site 1 of 2 in cluster F

Relative: UST FINDER:

 Higher
 Object ID:
 177289

 Actual:
 Facility ID:
 KY572054

445 ft. Name: BROWNING SPRINGS MIDDLE SCHOOL

Address: 357 W ARCH ST

City, State, Zip: MADISONVILLE, KY 42431

Address Match Type: Not reported

 Open USTs:
 0

 Closed USTs:
 2

 TOS USTs:
 0

 Population 1500ft:
 943

 Private Wells 1500ft:
 0

 Within 100yr Floodplain:
 No

Land Use: Developed, Low Intensity

Within SPA: No

SPA PWS Facility ID:

SPA Water Type:

SPA Facility Type:

SPA HUC12:

Within WHPA:

Not reported

Not reported

Not reported

Not reported

WHPA PWS Facility ID:
WHPA Water Type:
WHPA Facility Type:
WHPA HUC12:
Facility Status:
Date of Last Inspection:
Not reported
Closed UST(s)
Not reported

EPA Region: 4

Tribe: Not reported Coordinate Source: State

X Coord: -87.5049789999999
Y Coord: 37.3306010000001
Latitude: 37.330601
Longitude: -87.504979

UST FINDER:

 Object ID:
 601095

 Facility ID:
 KY572054

 Tank ID:
 KY572054_1_1

 Tank Status:
 Closed

Installation Date: 1974/01/01 16:00:00+00 Removal Date: 1992/07/06 15:59:59+00

Tank Capacity: 6000
Substances: Gasoline
Tank Wall Type: Single

 Object ID:
 601096

 Facility ID:
 KY572054

 Tank ID:
 KY572054_2_1

 Tank Status:
 Closed

Installation Date: 1974/01/01 16:00:00+00 Removal Date: 1992/07/06 15:59:59+00

Tank Capacity: 6000
Substances: Diesel
Tank Wall Type: Single

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

BROWNING SPRINGS MIDDLE SCHOOL (Continued)

1028369727

UST FINDER RELEASE:

170978 Object ID: Facility ID: KY45654 Lust ID: KY5442

Name: **BROWNING SPRINGS MIDDLE SCHOOL**

Address: 357 W ARCH ST MADISONVILLE, KY 0 City, State, Zip:

Address Match Type: Not reported Reported Date: Not reported Status: Unkown Substance: Not reported Population within 1500ft: 799

Domestic Wells within 1500ft: Land Use: Developed, Low Intensity

Within SPA: No

SPA PWS Facility ID: Not reported SPA Water Type: Not reported SPA Facility Type: Not reported SPA HUC12: Not reported Within WHPA: No

WHPA PWS Facility ID: Not reported Not reported WHPA Water Type: WHPA Facility Type: Not reported WHPA HUC12: Not reported

Within 100yr Floodplain: No

Tribe: Not reported

EPA Region:

NFA Letter 1: Not reported NFA Letter 2: Not reported Not reported NFA Letter 3: NFA Letter 4: Not reported Closed With Residual Contaminate: Not reported Coordinate Source: State X Coord: -87.50837

37.33101 Y Coord: Latitude: 37.3310099999999 Longitude: -87.5083699999999

F25 MADISONVILLE OLD TRANSFORMER STORAGE

SEMS-ARCHIVE 1003868107 KYD980846216

HOPEWELL ST 1/4-1/2 MADISONVILLE, KY 42431

0.491 mi.

SE

2591 ft. Site 2 of 2 in cluster F

Relative: SEMS Archive:

Higher Site ID: 0402175 EPA ID: KYD980846216 Actual:

Name: MADISONVILLE OLD TRANSFORMER STORAGE 439 ft.

HOPEWELL ST Address: Address 2: Not reported

MADISONVILLE, KY 42431 City, State, Zip:

Cong District: 01 FIPS Code: 21107 FF:

NPL:

Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

MADISONVILLE OLD TRANSFORMER STORAGE (Continued)

1003868107

SEMS Archive Detail:

04 Region: Site ID: 0402175 EPA ID: KYD980846216

Site Name: MADISONVILLE OLD TRANSFORMER STORAGE

NPL: FF: Ν OU: 00 Action Code: EΑ

Action Name: **INT ASSESS**

SEQ:

Start Date: 1993-03-29 05:00:00 Finish Date: 1993-03-29 05:00:00

Qual:

Current Action Lead: EPA Perf

Region: 04 Site ID: 0402175 EPA ID: KYD980846216

Site Name: MADISONVILLE OLD TRANSFORMER STORAGE

NPL: FF: Ν OU: 00 Action Code: PΑ Action Name: PΑ SEQ:

Start Date: Not reported Finish Date: 1985-06-13 05:00:00

Qual: L

Current Action Lead: St Perf

Region: 04 Site ID: 0402175 EPA ID: KYD980846216

Site Name: MADISONVILLE OLD TRANSFORMER STORAGE

NPL: FF: Ν OU: 00 Action Code: DS Action Name: **DISCVRY**

SEQ:

Start Date: 1985-06-13 05:00:00 Finish Date: 1985-06-13 05:00:00 Not reported Qual:

Current Action Lead: EPA Perf

Region: 04 Site ID: 0402175 EPA ID: KYD980846216

Site Name: MADISONVILLE OLD TRANSFORMER STORAGE

NPL: FF: Ν OU: 00 Action Code: SI Action Name: SI SEQ:

Start Date: Not reported

Direction Distance

Distance Elevation Site EDR ID Number

EDR ID Number

EPA ID Number

MADISONVILLE OLD TRANSFORMER STORAGE (Continued)

1003868107

N/A

Finish Date: 1986-03-24 05:00:00

Qual: N
Current Action Lead: St Perf

 Region:
 04

 Site ID:
 0402175

 EPA ID:
 KYD980846216

Site Name: MADISONVILLE OLD TRANSFORMER STORAGE NPL: N

FF: N
OU: 00
Action Code: VS
Action Name: 00

Action Name: ARCH SITE

SEQ: 1

Start Date: Not reported
Finish Date: 1986-03-24 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

E26 MADISONVILLE OLD TRANSFORMER STORAGE SHWS S107467212

ESE HOPEWELL STREET
1/2-1 MADISONVILLE, KY 42431

0.510 mi.

2695 ft. Site 2 of 2 in cluster E

Relative: SHWS:
Higher Name: MADISONVILLE OLD TRANSFORMER STORAGE

Actual:Address:HOPEWELL STREET462 ft.City,State,Zip:MADISONVILLE, KY 42431

Facility ld: 52130 Status: Closed

Description: (Closed Option A) MADISONVILLE OLD TRANSFORMER STORAGE

Closure Date: 01/06/2015 Longitude: -87.503741 Latitude: 37.331573 Subject Item County: Hopkins -87.503322 Sub Item Longitude: Sub Item Latitude: 37.331502 Subject Item Address: 163 Hopewell St Subject Item Address2: Not reported

Subject Item City,St,Zip: Madisonville, KY 42431 Regulatory Desc: State Superfund

Closure Option: Option A No Action Necessary

Side SG: 15894 Acreage: Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

G27 HOPKINS CO STATE MAINTENANCE FACILITY #333 SHWS S122374781 NE PRIDE AVENUE **INST CONTROL** N/A

MADISONVILLE, KY 42431 1/2-1

0.649 mi.

3427 ft. Site 1 of 2 in cluster G

SHWS: Relative:

Higher HOPKINS CO STATE MAINTENANCE FACILITY #333 Name:

Address: PRIDE AVENUE Actual:

City,State,Zip: MADISONVILLE, KY 42431 488 ft.

Facility Id: 47770 Status: Closed

Description: HOPKINS CO. MAINTENANCE GARAGE (Closed: Restored)

02/08/1995 Closure Date: Longitude: -87.504765 Latitude: 37.344614 Subject Item County: Hopkins Sub Item Longitude: -87.504266 Sub Item Latitude: 37.344653 1020 Pride Ave Subject Item Address: Subject Item Address2: Not reported

Madisonville, KY 42431 Subject Item City, St, Zip: Regulatory Desc: State Superfund Closure Option: Option C Restored

Side SG: 31228 Acreage: 10.00

KS INSTUTIONAL CONTROL:

HOPKINS CO STATE MAINTENANCE FACILITY #333 Name:

Address: 1020 PRIDE AVENUE City,State,Zip: MADISONVILLE, KY 42431

Incident Id: 47770

GARA Number: GARA0000000001 Facilty Status: Not reported

37.344625 -87.504419 Lat/Lon:

Remedy: Not reported

Control Type: Restrictive Covenant

Program: Superfund Date Filed: Not reported Date Removed: Not reported

Control Method: Groundwater Use Restrictions, Capping (explain), Land Use Restrictions

3.85 Acreage:

HOPKINS CO STATE MAINTENANCE FACILITY #333 S124501381 G28 SHWS N/A

ΝE 1020 PRIDE ROAD

MADISONVILLE, KY 42431 1/2-1

0.649 mi.

Site 2 of 2 in cluster G 3427 ft.

SHWS: Relative: Higher HOPKINS CO STATE MAINTENANCE FACILITY #333 Name:

Address: 1020 PRIDE ROAD Actual: MADISONVILLE, KY 42431 City,State,Zip: 488 ft.

Facility Id: 47770 Status: Closed

Description: Closed Option C Restored 10-15-21

Closure Date: 11/28/2021 Longitude: -87.504765 Latitude: 37.344614

Direction Distance

Elevation Site Database(s) EPA ID Number

HOPKINS CO STATE MAINTENANCE FACILITY #333 (Continued)

S124501381

N/A

EDR ID Number

Subject Item County: Hopkins
Sub Item Longitude: -87.504418
Sub Item Latitude: 37.344625
Subject Item Address: 1020 Pride Ave
Subject Item Address2: Not reported

Subject Item City,St,Zip: Madisonville, KY 42431
Regulatory Desc: State Superfund
Closure Option: Option C Restored
Side SG: KTC Property

Acreage: 9.69

29 FIRST UNITED BANK OF HOPKINS CO SHWS \$106885248

ESE 162 NORTH MAIN STREET 1/2-1 MADISONVILLE, KY 42431

0.777 mi. 4103 ft.

Relative: SHWS:

Higher Name: FIRST UNITED BANK OF HOPKINS CO

Actual: Address: 162 NORTH MAIN STREET 459 ft. City,State,Zip: MADISONVILLE, KY 42431

Facility ld: 52867
Status: Closed

Description: FIRST UNITED BANK OF HOPKINS CO. (Closed: Unfounded)

Closure Date: 10/12/1995 -87.497852 Lonaitude: Latitude: 37.331253 Subject Item County: Hopkins -87.498168 Sub Item Longitude: Sub Item Latitude: 37.331037 Subject Item Address: 162 N Main St Subject Item Address2: Not reported

Subject Item City,St,Zip: Madisonville, KY 42431 Regulatory Desc: Petroleum Cleanup

Closure Option: Unfounded
Side SG: 38272
Acreage: Not reported

 30
 MADISONVILLE WATER TREATMENT P
 SHWS
 1010501531

 NW
 850 LAKE PEE WEE RD
 SWF/LF
 N/A

 1/2-1
 MADISONVILLE, KY 42431
 NPDES

0.802 mi. 4237 ft.

Relative: SHWS:

HigherName:MADISONVILLE LIGHT & WATERActual:Address:850 LAKE PEE WEE ROAD436 ft.City,State,Zip:MADISONVILLE, KY 42431

Facility Id: 1895 Status: Closed

Description: Vandalized transformers

 Closure Date:
 07/17/2014

 Longitude:
 -87.522780

 Latitude:
 37.347220

 Subject Item County:
 Hopkins

 Sub Item Longitude:
 -87.531648

Direction Distance

Elevation Site Database(s) EPA ID Number

MADISONVILLE WATER TREATMENT P (Continued)

1010501531

EDR ID Number

Sub Item Latitude: 37.368611

Subject Item Address: 850 Lake Pee Wee Rd

Subject Item Address2: Not reported

Subject Item City,St,Zip: Madisonville, KY 42431
Regulatory Desc: Petroleum Cleanup
Closure Option: Option C Restored
Side SG: Non-PCB oil spill
Acreage: Not reported

LF:

Name: MADISONVILLE LIGHT & WATER

Address: 850 LAKE PEE WEE RD City,State,Zip: MADISONVILLE, KY 42431

 Facility ID:
 1895

 Status:
 Terminated

 Permit Number:
 05400054

 SI ID:
 ACTV0000000002

SI Designation: Beneficial Reuse-Special Waste-RPBR

Al Name: Madisonville Light & Water

Rel Entity ID: 27510

Facility Type: Beneficial Reuse-Special Waste-RPBR

Latitude: 37.34722

Longitude: -87.522779999999997
Permittee city/state/zip: MADISONVILLE, KY 42431

Permit expired date: 09/15/2016
Related Entity Name: City of Madisonville
Related Entity Address1: 850 Lake Pee Wee Rd

Related Entity Municipality: Madisonville
Related Entity State: KY
Related Entity Zip: 42431
Related Entity Type: O

Related Entity Address2:

SI Description: Beneficial Reuse-Special Waste-RPBR

Not reported

Date Last Site Insp.: Not reported Last Inspector: Not reported Related Entity Specific Type: Municipal

Name: MADISONVILLE LIGHT & WATER
Address: 850 LAKE PEE WEE RD
City,State,Zip: MADISONVILLE, KY 42431

 Facility ID:
 1895

 Status:
 Terminated

 Permit Number:
 05400054-1

 SI ID:
 ACTV0000000001

 SI Designation:
 05400054-1

Al Name: Madisonville Light & Water

Rel Entity ID: 27510

Facility Type: Beneficial Reuse Latitude: 37.34722

Longitude: -87.522779999999997
Permittee city/state/zip: MADISONVILLE, KY 42431

Permit expired date: Not reported
Related Entity Name: City of Madisonville
Related Entity Address1: 850 Lake Pee Wee Rd

Related Entity Address2: Not reported Related Entity Municipality: Madisonville

Related Entity State: KY

Direction Distance

Elevation Site Database(s) EPA ID Number

MADISONVILLE WATER TREATMENT P (Continued)

1010501531

EDR ID Number

Related Entity Zip: 42431 Related Entity Type: O

SI Description: BENEFICIAL REUSE, SPECIAL WASTE-ACTIVITY APPROVED

Date Last Site Insp.: Not reported Last Inspector: Not reported Related Entity Specific Type: Municipal

NPDES:

Name: MADISONVILLE, CITY OF Address: 850 LAKE PEE WEE RD City,State,Zip: MADISONVILLE, KY 42431

Federal Facility ID: Not reported Facility Status: Effective KY DES #: KY0109487

Total App# Design Flow (MGD):

Horizontal Collect Method Desc:

Facility Addr 2:

Inactive Date:

Design Capacity:

Fee Category:

Not reported

Not reported

Not reported

Not reported

SIC Code: 4941

Lat/Long: 37.347222 / -87.522778

Lat/Long Method: Not reported

USGS Hydrologic Basin Code: 021

Facility Stream Segment: Not reported Facility Mileage Indicator: Not reported Basin Code: Not reported Basin Code Description: Not reported DMR Contact: **Burlie Stanley** 270-339-2709 Contact Telephone: Mailing Address: PO Box 710 Mailing Address 2: Not reported

Mailing City,St,Zip: Madisonville, KY 42431

Permit Issued: 07/08/2021
Permit Expires: 08/31/2026
SIC Code Description: Water Supply
Reveiving Waters: Greazy Crk
Major/Minor: Minor
Effective Date: 09/01/2021

Affiliation Type Desc: DMR Mailing Address Organization Formal Name: Madisonville, City Of

Facility Type Desc: Municipality
State Facility ID: 1895
Original Issue Date: 09/12/2011
Approved For Electronic DMR Submission: Yes

Name: MADISONVILLE WATER TREATMENT P

Address: 850 LAKE PEE WEE RD City,State,Zip: MADISONVILLE, KY 42431

Federal Facility ID: Not reported Facility Status: **INACTIVE** KY DES #: KYR107456 Total App# Design Flow (MGD): Not reported Horizontal Collect Method Desc: Not reported Facility Addr 2: Not reported Inactive Date: 10/19/2010 Design Capacity: Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

MADISONVILLE WATER TREATMENT P (Continued)

1010501531

Fee Category: Not reported SIC Code: 1611 Lat/Long: Not reported Lat/Long Method: Not reported USGS Hydrologic Basin Code: Not reported Facility Stream Segment: Not reported Facility Mileage Indicator: Not reported Basin Code: Not reported Basin Code Description: Not reported **DMR Contact:** RICK ZALLA Contact Telephone: 2708242145

Mailing Address 2: 850 LAKE PEE WEE RD Mailing City, St, Zip: MADISONVILLE, KY 42431

Permit Issued: 07/01/2009 Permit Expires: 07/31/2014

SIC Code Description: HWY & ST CONST., EXC. ELEV HWY

RICK ZALLA

Reveiving Waters: Not reported Major/Minor: **MINOR** Effective Date: Not reported Affiliation Type Desc: Not reported Organization Formal Name: Not reported Facility Type Desc: Not reported State Facility ID: Not reported Original Issue Date: Not reported

Approved For Electronic DMR Submission: Not reported

GAP FILLER ANNEX P-82

GAP FILLER ANNEX P-82 31 SE **GAP FILLER ANNEX P-82** 1/2-1 MADISONVILLE, KY 42431

Mailing Address:

0.874 mi. 4617 ft.

Relative: SHWS: Higher Name:

Address: **GAP FILLER ANNEX P-82** Actual: 470 ft. City, State, Zip: MADISONVILLE, KY 42431

Facility Id: 52386 Status: Closed

Description: **GAP FILLER ANNEX P-82**

Closure Date: 02/07/2012 Longitude: -87.496874 Latitude: 37.363560 Subject Item County: Hopkins -87.496799 Sub Item Longitude: Sub Item Latitude: 37.363529 Subject Item Address: **KY 41** Subject Item Address2: Not reported

Madisonville, KY 42431 Subject Item City, St, Zip: Regulatory Desc: Federal Superfund

Closure Option: Referred Side SG: 63990 Acreage: Not reported SHWS

S106885230

N/A

Direction Distance

Elevation Site Database(s) **EPA ID Number**

SHWS 32 **MCCOY MANAGEMENT SERVICES** S111930501 N/A

NE **1300 N MAIN ST**

MADISONVILLE, KY 42431 1/2-1

0.958 mi. 5056 ft.

Relative: SHWS: Higher

MCCOY MANAGEMENT SERVICES Name:

Address: 1300 N MAIN ST Actual:

City,State,Zip: MADISONVILLE, KY 42431 461 ft.

Facility Id: 66650 Status: Closed

MADISONVILLE SPILL (Closed: Restored) Description:

Closure Date: 08/03/1995 Longitude: -87.498116 Latitude: 37.345110 Subject Item County: Hopkins Sub Item Longitude: -87.498047 Sub Item Latitude: 37.347411 Subject Item Address: 1300 N Main Subject Item Address2: Not reported

Madisonville, KY 42431 Subject Item City, St, Zip: Regulatory Desc: State Superfund Closure Option: Option C Restored

Side SG: 35479 Acreage: Not reported **EDR ID Number**

Count: 2 records. ORPHAN SUMMARY

City	EDR ID Site Name	Site Address	Zip Database(s)
MADISONVILLE	S121369801 GLITTERWRAP INC	575 ISLAND PARK DR	42431 SHWS
MADISONVILLE	1015734132 ZEIGLER COAL COMPANY	LAFFOON TRAIL/RT 2	42431 SEMS-ARCHIVE

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 02/29/2024 Date Data Arrived at EDR: 03/01/2024

Date Made Active in Reports: 03/27/2024

Number of Days to Update: 26

Source: EPA Telephone: N/A

Last EDR Contact: 06/03/2024

Next Scheduled EDR Contact: 07/08/2024 Data Release Frequency: Quarterly

NPL Site Boundaries

EPA's Environmental Photographic Interpretation Center (EPIC)

Telephone: 202-564-7333

EPA Region 1 EPA Region 6

Telephone 617-918-1143 Telephone: 214-655-6659

EPA Region 3 EPA Region 7

Telephone 215-814-5418 Telephone: 913-551-7247

EPA Region 4 **EPA Region 8**

Telephone 404-562-8033 Telephone: 303-312-6774

EPA Region 5 EPA Region 9

Telephone 312-886-6686 Telephone: 415-947-4246

EPA Region 10

Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 02/29/2024 Date Data Arrived at EDR: 03/01/2024 Date Made Active in Reports: 03/27/2024

Number of Days to Update: 26

Source: EPA Telephone: N/A

Last EDR Contact: 06/03/2024

Next Scheduled EDR Contact: 07/08/2024 Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991 Date Data Arrived at EDR: 02/02/1994 Date Made Active in Reports: 03/30/1994

Number of Days to Update: 56

Source: EPA

Telephone: 202-564-4267 Last EDR Contact: 08/15/2011

Next Scheduled EDR Contact: 11/28/2011 Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Source: EPA

Date of Government Version: 02/29/2024 Date Data Arrived at EDR: 03/01/2024 Date Made Active in Reports: 03/27/2024

Number of Days to Update: 26

Telephone: N/A

Last EDR Contact: 06/03/2024

Next Scheduled EDR Contact: 07/08/2024 Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 12/20/2023 Date Data Arrived at EDR: 12/20/2023 Date Made Active in Reports: 01/24/2024

Number of Days to Update: 35

Source: Environmental Protection Agency Telephone: 703-603-8704

Last EDR Contact: 03/26/2024

Next Scheduled EDR Contact: 07/08/2024 Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 04/22/2024 Date Data Arrived at EDR: 05/01/2024 Date Made Active in Reports: 05/24/2024

Number of Days to Update: 23

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 06/03/2024

Next Scheduled EDR Contact: 07/22/2024 Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 04/22/2024 Date Data Arrived at EDR: 05/01/2024 Date Made Active in Reports: 05/24/2024

Number of Days to Update: 23

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 06/03/2024

Next Scheduled EDR Contact: 07/22/2024 Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/04/2023 Date Data Arrived at EDR: 12/06/2023 Date Made Active in Reports: 12/12/2023

Number of Days to Update: 6

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 06/07/2024

Next Scheduled EDR Contact: 07/01/2024 Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 12/04/2023 Date Data Arrived at EDR: 12/06/2023 Date Made Active in Reports: 12/12/2023

Number of Days to Update: 6

Source: Environmental Protection Agency

Telephone: (404) 562-8651 Last EDR Contact: 06/07/2024

Next Scheduled EDR Contact: 07/01/2024 Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/04/2023 Date Data Arrived at EDR: 12/06/2023 Date Made Active in Reports: 12/12/2023

Number of Days to Update: 6

Source: Environmental Protection Agency

Telephone: (404) 562-8651 Last EDR Contact: 06/07/2024

Next Scheduled EDR Contact: 07/01/2024 Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 12/04/2023 Date Data Arrived at EDR: 12/06/2023 Date Made Active in Reports: 12/12/2023

Number of Days to Update: 6

Source: Environmental Protection Agency

Telephone: (404) 562-8651 Last EDR Contact: 06/07/2024

Next Scheduled EDR Contact: 07/01/2024 Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation
and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database
includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste
as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate
less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/04/2023 Date Data Arrived at EDR: 12/06/2023 Date Made Active in Reports: 12/12/2023

Number of Days to Update: 6

Source: Environmental Protection Agency

Telephone: (404) 562-8651 Last EDR Contact: 06/07/2024

Next Scheduled EDR Contact: 07/01/2024 Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 02/14/2024 Date Data Arrived at EDR: 02/16/2024 Date Made Active in Reports: 04/04/2024

Number of Days to Update: 48

Source: Department of the Navy Telephone: 843-820-7326 Last EDR Contact: 05/17/2024

Next Scheduled EDR Contact: 08/19/2024 Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 02/13/2024 Date Data Arrived at EDR: 02/21/2024 Date Made Active in Reports: 04/04/2024

Number of Days to Update: 43

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 05/21/2024

Next Scheduled EDR Contact: 09/02/2024 Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 02/13/2024 Date Data Arrived at EDR: 02/21/2024 Date Made Active in Reports: 04/04/2024

Number of Days to Update: 43

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 05/21/2024

Next Scheduled EDR Contact: 09/02/2024

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous

substances.

Date of Government Version: 12/12/2023 Date Data Arrived at EDR: 12/13/2023 Date Made Active in Reports: 02/28/2024

Number of Days to Update: 77

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180 Last EDR Contact: 03/19/2024

Next Scheduled EDR Contact: 07/01/2024 Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

SHWS: State Leads List

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 11/27/2023 Date Data Arrived at EDR: 11/29/2023 Date Made Active in Reports: 12/05/2023

Number of Days to Update: 6

Source: Department of Environmental Protection

Telephone: 502-564-6716 Last EDR Contact: 06/03/2024

Next Scheduled EDR Contact: 09/02/2024 Data Release Frequency: Quarterly

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF: Solid Waste Facilities List

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 03/06/2024 Date Data Arrived at EDR: 03/07/2024 Date Made Active in Reports: 04/09/2024

Number of Days to Update: 33

Source: Department of Environmental Protection

Telephone: 502-564-6716 Last EDR Contact: 04/23/2024

Next Scheduled EDR Contact: 08/05/2024 Data Release Frequency: Semi-Annually

Lists of state and tribal leaking storage tanks

PSTEAF: Facility Ranking List

The Underground Storage Tank Branch (USTB) has ranked all PSTEAF reimbursable facilities requiring corrective action, in accordance with 401 KAR 42:290. Directive letters will be issued on the basis of facility ranking and available PSTEAF funding in sequential order as ranked. For example, Rank 2 facilities will be issued directives before Rank 3 facilities.

Date of Government Version: 12/01/2023 Date Data Arrived at EDR: 01/04/2024 Date Made Active in Reports: 03/25/2024

Number of Days to Update: 81

Source: Department of Environmental Protection

Telephone: 502-564-5981 Last EDR Contact: 04/04/2024

Next Scheduled EDR Contact: 07/15/2024 Data Release Frequency: Quarterly

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/25/2023 Date Data Arrived at EDR: 01/17/2024 Date Made Active in Reports: 03/13/2024

Number of Days to Update: 56

Source: EPA Region 8 Telephone: 303-312-6271 Last EDR Contact: 05/30/2024

Next Scheduled EDR Contact: 07/29/2024

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/25/2023 Date Data Arrived at EDR: 01/17/2024 Date Made Active in Reports: 03/13/2024

Number of Days to Update: 56

Source: Environmental Protection Agency

Telephone: 415-972-3372 Last EDR Contact: 05/30/2024

Next Scheduled EDR Contact: 07/29/2024 Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/25/2023 Date Data Arrived at EDR: 01/17/2024 Date Made Active in Reports: 03/13/2024

Number of Days to Update: 56

Source: EPA Region 1 Telephone: 617-918-1313 Last EDR Contact: 05/30/2024

Next Scheduled EDR Contact: 07/29/2024 Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 10/25/2023 Date Data Arrived at EDR: 01/17/2024 Date Made Active in Reports: 03/13/2024

Number of Days to Update: 56

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 05/30/2024

Next Scheduled EDR Contact: 07/29/2024 Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 10/25/2023 Date Data Arrived at EDR: 01/17/2024 Date Made Active in Reports: 03/13/2024

Number of Days to Update: 56

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 05/30/2024

Next Scheduled EDR Contact: 07/29/2024 Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 10/25/2023 Date Data Arrived at EDR: 01/17/2024 Date Made Active in Reports: 03/13/2024

Number of Days to Update: 56

Source: EPA Region 6 Telephone: 214-665-6597 Last EDR Contact: 05/30/2024

Next Scheduled EDR Contact: 07/29/2024 Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/04/2023 Date Data Arrived at EDR: 01/17/2024 Date Made Active in Reports: 03/13/2024

Number of Days to Update: 56

Source: EPA, Region 5 Telephone: 312-886-7439 Last EDR Contact: 05/30/2024

Next Scheduled EDR Contact: 07/29/2024 Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 10/25/2023 Date Data Arrived at EDR: 01/17/2024 Date Made Active in Reports: 03/13/2024

Number of Days to Update: 56

Source: EPA Region 4 Telephone: 404-562-8677 Last EDR Contact: 05/30/2024

Next Scheduled EDR Contact: 07/29/2024

SB193: SB193 Branch Site Inventory List

The inventory indicates facilities that have performed permanent closure activities at a regulated underground storage tank facility and have known soil and/or groundwater contamination.

Date of Government Version: 09/05/2006 Date Data Arrived at EDR: 09/13/2006 Date Made Active in Reports: 10/18/2006

Number of Days to Update: 35

Source: Department of Environmental Protection

Telephone: 502-564-5981 Last EDR Contact: 04/08/2016

Next Scheduled EDR Contact: 07/25/2016

Data Release Frequency: No Update Planned

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 11/16/2023 Date Data Arrived at EDR: 11/16/2023 Date Made Active in Reports: 02/13/2024

Number of Days to Update: 89

Source: FEMA

Telephone: 202-646-5797 Last EDR Contact: 03/19/2024

Next Scheduled EDR Contact: 07/15/2024

Data Release Frequency: Varies

UST: Underground Storage Tank Database

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 02/02/2024 Date Data Arrived at EDR: 02/21/2024 Date Made Active in Reports: 05/10/2024

Number of Days to Update: 79

Source: Department of Environmental Protection

Telephone: 502-564-5981 Last EDR Contact: 05/21/2024

Next Scheduled EDR Contact: 09/02/2024 Data Release Frequency: Quarterly

AST: Above Ground Storage Tanks

A listing of aboveground storage tank site locations.

Date of Government Version: 02/22/2024 Date Data Arrived at EDR: 02/28/2024 Date Made Active in Reports: 05/16/2024

Number of Days to Update: 78

Source: Office of State Fire Marshal Telephone: 502-564-4010 Last EDR Contact: 05/17/2024

Next Scheduled EDR Contact: 09/02/2024

Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 10/24/2023 Date Data Arrived at EDR: 01/17/2024 Date Made Active in Reports: 03/13/2024

Number of Days to Update: 56

Source: EPA Region 4 Telephone: 404-562-9424 Last EDR Contact: 04/17/2024

Next Scheduled EDR Contact: 07/29/2024 Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 10/24/2023 Date Data Arrived at EDR: 01/17/2024 Date Made Active in Reports: 03/13/2024

Number of Days to Update: 56

Source: EPA Region 9 Telephone: 415-972-3368 Last EDR Contact: 05/30/2024

Next Scheduled EDR Contact: 07/29/2024

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 10/24/2023 Date Data Arrived at EDR: 01/17/2024 Date Made Active in Reports: 03/13/2024

Number of Days to Update: 56

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 05/30/2024

Next Scheduled EDR Contact: 07/29/2024 Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/24/2023 Date Data Arrived at EDR: 01/17/2024 Date Made Active in Reports: 03/13/2024

Number of Days to Update: 56

Source: EPA, Region 1 Telephone: 617-918-1313 Last EDR Contact: 05/30/2024

Next Scheduled EDR Contact: 07/29/2024 Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 10/17/2023 Date Data Arrived at EDR: 01/17/2024 Date Made Active in Reports: 03/13/2024

Number of Days to Update: 56

Source: EPA Region 5 Telephone: 312-886-6136 Last EDR Contact: 04/17/2024

Next Scheduled EDR Contact: 07/29/2024

Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 10/24/2023 Date Data Arrived at EDR: 01/17/2024 Date Made Active in Reports: 03/13/2024

Number of Days to Update: 56

Source: EPA Region 6 Telephone: 214-665-7591 Last EDR Contact: 05/30/2024

Next Scheduled EDR Contact: 07/29/2024

Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 10/24/2023 Date Data Arrived at EDR: 01/17/2024 Date Made Active in Reports: 03/13/2024

Number of Days to Update: 56

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 05/30/2024

Next Scheduled EDR Contact: 07/29/2024 Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/24/2023 Date Data Arrived at EDR: 01/17/2024 Date Made Active in Reports: 03/13/2024

Number of Days to Update: 56

Source: EPA Region 8 Telephone: 303-312-6137 Last EDR Contact: 05/30/2024

Next Scheduled EDR Contact: 07/29/2024 Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

ENG CONTROLS: Engineering Controls Site Listing A listing of sites that use engineering controls.

Date of Government Version: 11/28/2023 Date Data Arrived at EDR: 11/29/2023 Date Made Active in Reports: 12/05/2023

Number of Days to Update: 6

Source: Department of Environmental Protection

Telephone: 502-564-6716 Last EDR Contact: 05/20/2024

Next Scheduled EDR Contact: 09/02/2024 Data Release Frequency: Varies

INST CONTROL: State Superfund Database

A list of closed sites in the State Superfund Database. Institutional controls would be in place at any site that uses Contained or Managed as a Closure Option.

Date of Government Version: 05/20/2024 Date Data Arrived at EDR: 05/22/2024 Date Made Active in Reports: 06/03/2024

Number of Days to Update: 12

Source: Department of Environmental Protection

Telephone: 502-564-6716 Last EDR Contact: 05/22/2024

Next Scheduled EDR Contact: 09/02/2024

Data Release Frequency: Varies

Lists of state and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015 Date Data Arrived at EDR: 09/29/2015 Date Made Active in Reports: 02/18/2016

Number of Days to Update: 142

Source: EPA, Region 1 Telephone: 617-918-1102 Last EDR Contact: 03/18/2024

Next Scheduled EDR Contact: 07/01/2024

Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Sites

Sites that have been accepted into the Voluntary Cleanup Program or have submitted an application.

Date of Government Version: 01/09/2024 Date Data Arrived at EDR: 01/11/2024 Date Made Active in Reports: 01/12/2024

Number of Days to Update: 1

Source: Department of Environmental Protection

Telephone: 502-564-6716 Last EDR Contact: 03/25/2024

Next Scheduled EDR Contact: 07/08/2024

Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008 Date Data Arrived at EDR: 04/22/2008 Date Made Active in Reports: 05/19/2008

Number of Days to Update: 27

Source: EPA, Region 7 Telephone: 913-551-7365 Last EDR Contact: 07/08/2021

Next Scheduled EDR Contact: 07/20/2009 Data Release Frequency: Varies

Lists of state and tribal brownfield sites

BROWNFIELDS: Kentucky Brownfield Inventory

The Kentucky Brownfield Program has created an inventory of brownfield sites in order to market the properties to those interested in brownfield redevelopment. The Kentucky Brownfield Program is working to promote the redevelopment of these sites by helping to remove barriers that prevent reuse, providing useful information to communities, developers and the public and encouraging a climate that fosters redevelopment of contaminated sites.

Date of Government Version: 02/06/2024 Date Data Arrived at EDR: 02/27/2024 Date Made Active in Reports: 05/16/2024

Number of Days to Update: 79

Source: Division of Compliance Assistance

Telephone: 502-564-0323 Last EDR Contact: 04/08/2024

Next Scheduled EDR Contact: 07/22/2024 Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 03/11/2024 Date Data Arrived at EDR: 03/12/2024 Date Made Active in Reports: 05/10/2024

Number of Days to Update: 59

Source: Environmental Protection Agency Telephone: 202-566-2777

Last EDR Contact: 06/11/2024

Next Scheduled EDR Contact: 09/23/2024 Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: Recycling Facilities

A listing of recycling facilities located in the state of Kentucky.

Date of Government Version: 09/11/2023 Date Data Arrived at EDR: 10/10/2023 Date Made Active in Reports: 01/03/2024

Number of Days to Update: 85

Source: Department of Environmental Protection

Telephone: 502-564-6716 Last EDR Contact: 04/10/2024

Next Scheduled EDR Contact: 07/22/2024 Data Release Frequency: Varies

HIST LF: Historical Landfills

This solid waste facility listing contains detail information that is not included in the landfill listing. A listing with detail information is no longer available by the Department of Environmental Protection.

Date of Government Version: 05/01/2003 Date Data Arrived at EDR: 03/30/2006 Date Made Active in Reports: 05/01/2006

Number of Days to Update: 32

Source: Department of Environmental Protection

Telephone: 502-564-6716 Last EDR Contact: 02/23/2009

Next Scheduled EDR Contact: 05/25/2009 Data Release Frequency: No Update Planned

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998 Date Data Arrived at EDR: 12/03/2007 Date Made Active in Reports: 01/24/2008

Number of Days to Update: 52

Source: Environmental Protection Agency

Telephone: 703-308-8245 Last EDR Contact: 04/22/2024

Next Scheduled EDR Contact: 08/05/2024 Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009 Date Data Arrived at EDR: 05/07/2009 Date Made Active in Reports: 09/21/2009

Number of Days to Update: 137

Source: EPA, Region 9 Telephone: 415-947-4219 Last EDR Contact: 04/15/2024

Next Scheduled EDR Contact: 07/29/2024 Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258

Subtitle D Criteria.

Date of Government Version: 06/30/1985 Date Data Arrived at EDR: 08/09/2004 Date Made Active in Reports: 09/17/2004

Number of Days to Update: 39

Source: Environmental Protection Agency

Telephone: 800-424-9346 Last EDR Contact: 06/09/2004 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014 Date Data Arrived at EDR: 08/06/2014 Date Made Active in Reports: 01/29/2015

Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service

Telephone: 301-443-1452 Last EDR Contact: 04/19/2024

Next Scheduled EDR Contact: 08/04/2024

Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 12/31/2023 Date Data Arrived at EDR: 02/21/2024 Date Made Active in Reports: 04/04/2024

Number of Days to Update: 43

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 05/21/2024

Next Scheduled EDR Contact: 09/02/2024
Data Release Frequency: No Update Planned

CDL: Clandestine Drub Lab Location Listing Clandestine drug lab site locations.

Date of Government Version: 11/21/2023 Date Data Arrived at EDR: 11/29/2023 Date Made Active in Reports: 12/05/2023

Number of Days to Update: 6

Source: Department of Environmental Protection

Telephone: 502-564-6716 Last EDR Contact: 06/03/2024

Next Scheduled EDR Contact: 09/02/2024

Data Release Frequency: Varies

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 12/31/2023 Date Data Arrived at EDR: 02/21/2024 Date Made Active in Reports: 04/04/2024

Number of Days to Update: 43

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 05/21/2024

Next Scheduled EDR Contact: 09/02/2024 Data Release Frequency: Quarterly

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/29/2024 Date Data Arrived at EDR: 03/01/2024 Date Made Active in Reports: 03/27/2024

Number of Days to Update: 26

Source: Environmental Protection Agency

Telephone: 202-564-6023 Last EDR Contact: 06/03/2024

Next Scheduled EDR Contact: 07/08/2024 Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/12/2023 Date Data Arrived at EDR: 12/13/2023 Date Made Active in Reports: 02/28/2024

Number of Days to Update: 77

Source: U.S. Department of Transportation

Telephone: 202-366-4555 Last EDR Contact: 03/20/2024

Next Scheduled EDR Contact: 07/01/2024 Data Release Frequency: Quarterly

SPILLS: State spills

A listing of spill and/or release related incidents.

Date of Government Version: 01/31/2024 Date Data Arrived at EDR: 02/01/2024 Date Made Active in Reports: 04/23/2024

Number of Days to Update: 82

Source: DEP, Emergency Response

Telephone: 502-564-2380 Last EDR Contact: 04/08/2024

Next Scheduled EDR Contact: 07/22/2024 Data Release Frequency: Varies

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 12/04/2023 Date Data Arrived at EDR: 12/06/2023 Date Made Active in Reports: 12/12/2023

Number of Days to Update: 6

Source: Environmental Protection Agency

Telephone: (404) 562-8651 Last EDR Contact: 06/07/2024

Next Scheduled EDR Contact: 07/01/2024 Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/30/2024 Date Data Arrived at EDR: 02/13/2024 Date Made Active in Reports: 04/04/2024

Number of Days to Update: 51

Source: U.S. Army Corps of Engineers

Telephone: 202-528-4285 Last EDR Contact: 05/14/2024

Next Scheduled EDR Contact: 08/26/2024 Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 06/07/2021 Date Data Arrived at EDR: 07/13/2021 Date Made Active in Reports: 03/09/2022

Number of Days to Update: 239

Source: USGS Telephone: 888-275-8747 Last EDR Contact: 04/11/2024

Next Scheduled EDR Contact: 07/22/2024

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018 Date Data Arrived at EDR: 04/11/2018 Date Made Active in Reports: 11/06/2019

Number of Days to Update: 574

Source: U.S. Geological Survey Telephone: 888-275-8747 Last EDR Contact: 04/04/2024

Next Scheduled EDR Contact: 07/15/2024

Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 07/30/2021 Date Data Arrived at EDR: 02/03/2023 Date Made Active in Reports: 02/10/2023

Number of Days to Update: 7

Source: Environmental Protection Agency

Telephone: 615-532-8599 Last EDR Contact: 05/09/2024

Next Scheduled EDR Contact: 08/19/2024 Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 12/11/2023 Date Data Arrived at EDR: 12/13/2023 Date Made Active in Reports: 02/28/2024

Number of Days to Update: 77

Source: Environmental Protection Agency

Telephone: 202-566-1917 Last EDR Contact: 03/13/2024

Next Scheduled EDR Contact: 07/01/2024 Data Release Frequency: Quarterly

EPA WATCH LIST: EPA Watch List

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013 Date Data Arrived at EDR: 03/21/2014 Date Made Active in Reports: 06/17/2014

Number of Days to Update: 88

Source: Environmental Protection Agency

Telephone: 617-520-3000 Last EDR Contact: 04/29/2024

Next Scheduled EDR Contact: 08/12/2024 Data Release Frequency: No Update Planned

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017 Date Data Arrived at EDR: 05/08/2018 Date Made Active in Reports: 07/20/2018

Number of Days to Update: 73

Source: Environmental Protection Agency

Telephone: 703-308-4044 Last EDR Contact: 05/02/2024

Next Scheduled EDR Contact: 08/12/2024

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant

Date of Government Version: 12/31/2020 Date Data Arrived at EDR: 06/14/2022 Date Made Active in Reports: 03/24/2023

Number of Days to Update: 283

Source: EPA

Telephone: 202-260-5521 Last EDR Contact: 03/14/2024

Next Scheduled EDR Contact: 06/24/2024 Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2022 Date Data Arrived at EDR: 11/13/2023 Date Made Active in Reports: 02/07/2024

Number of Days to Update: 86

Source: EPA

Telephone: 202-566-0250 Last EDR Contact: 05/16/2024

Next Scheduled EDR Contact: 08/26/2024 Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 01/16/2024 Date Data Arrived at EDR: 01/17/2024 Date Made Active in Reports: 03/27/2024

Number of Days to Update: 70

Source: EPA

Telephone: 202-564-4203 Last EDR Contact: 04/17/2024

Next Scheduled EDR Contact: 07/29/2024 Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 02/29/2024 Date Data Arrived at EDR: 03/01/2024 Date Made Active in Reports: 03/27/2024

Number of Days to Update: 26

Source: EPA

Telephone: 703-416-0223 Last EDR Contact: 06/03/2024

Next Scheduled EDR Contact: 09/09/2024 Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 02/01/2024 Date Data Arrived at EDR: 02/08/2024 Date Made Active in Reports: 04/04/2024

Number of Days to Update: 56

Source: Environmental Protection Agency

Telephone: 202-564-8600 Last EDR Contact: 04/15/2024

Next Scheduled EDR Contact: 07/29/2024 Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995 Date Data Arrived at EDR: 07/03/1995 Date Made Active in Reports: 08/07/1995

Number of Days to Update: 35

Source: EPA

Telephone: 202-564-4104 Last EDR Contact: 06/02/2008

Next Scheduled EDR Contact: 09/01/2008 Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 09/19/2023 Date Data Arrived at EDR: 10/03/2023 Date Made Active in Reports: 10/19/2023

Number of Days to Update: 16

Source: EPA

Telephone: 202-564-6023 Last EDR Contact: 06/03/2024

Next Scheduled EDR Contact: 08/12/2024 Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 03/20/2023 Date Data Arrived at EDR: 04/04/2023 Date Made Active in Reports: 06/09/2023

Number of Days to Update: 66

Source: EPA

Telephone: 202-566-0500 Last EDR Contact: 04/04/2024

Next Scheduled EDR Contact: 07/15/2024 Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016 Date Data Arrived at EDR: 11/23/2016 Date Made Active in Reports: 02/10/2017

Number of Days to Update: 79

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 03/28/2024

Next Scheduled EDR Contact: 07/15/2024 Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009 Date Data Arrived at EDR: 04/16/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances

Telephone: 202-566-1667 Last EDR Contact: 08/18/2017

Next Scheduled EDR Contact: 12/04/2017 Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009 Date Data Arrived at EDR: 04/16/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 25

Source: EPA Telephone: 202-566-1667 Last EDR Contact: 08/18/2017

Next Scheduled EDR Contact: 12/04/2017 Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 01/02/2024 Date Data Arrived at EDR: 01/16/2024 Date Made Active in Reports: 03/13/2024

Number of Days to Update: 57

Source: Nuclear Regulatory Commission

Telephone: 301-415-0717 Last EDR Contact: 04/15/2024

Next Scheduled EDR Contact: 07/29/2024 Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2022 Date Data Arrived at EDR: 11/27/2023 Date Made Active in Reports: 02/22/2024

Number of Days to Update: 87

Source: Department of Energy Telephone: 202-586-8719 Last EDR Contact: 05/28/2024

Next Scheduled EDR Contact: 09/09/2024 Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017 Date Data Arrived at EDR: 03/05/2019 Date Made Active in Reports: 11/11/2019

Number of Days to Update: 251

Source: Environmental Protection Agency

Telephone: N/A

Last EDR Contact: 05/28/2024

Next Scheduled EDR Contact: 09/09/2024 Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019 Date Data Arrived at EDR: 11/06/2019 Date Made Active in Reports: 02/10/2020

Number of Days to Update: 96

Source: Environmental Protection Agency

Telephone: 202-566-0517 Last EDR Contact: 05/02/2024

Next Scheduled EDR Contact: 08/12/2024 Data Release Frequency: Varies

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019 Date Data Arrived at EDR: 07/01/2019 Date Made Active in Reports: 09/23/2019

Number of Days to Update: 84

Source: Environmental Protection Agency

Telephone: 202-343-9775 Last EDR Contact: 03/25/2024

Next Scheduled EDR Contact: 07/08/2024 Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007 Date Made Active in Reports: 04/10/2007

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/17/2007

.ast EDR Contact: 12/17/2007 Jext Scheduled EDR Contact: 03/1

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007 Date Made Active in Reports: 04/10/2007

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/17/2008

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020 Date Data Arrived at EDR: 01/28/2020 Date Made Active in Reports: 04/17/2020

Number of Days to Update: 80

Source: Department of Transporation, Office of Pipeline Safety

Telephone: 202-366-4595 Last EDR Contact: 04/23/2024

Next Scheduled EDR Contact: 08/05/2024 Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2023 Date Data Arrived at EDR: 01/11/2024 Date Made Active in Reports: 01/16/2024

Number of Days to Update: 5

Source: Department of Justice, Consent Decree Library

Telephone: Varies

Last EDR Contact: 03/28/2024

Next Scheduled EDR Contact: 07/15/2024 Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2021 Date Data Arrived at EDR: 03/09/2023 Date Made Active in Reports: 03/20/2023

Number of Days to Update: 11

Source: EPA/NTIS Telephone: 800-424-9346 Last EDR Contact: 06/07/2024

Next Scheduled EDR Contact: 07/01/2024 Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater

than 640 acres.

Date of Government Version: 12/31/2014 Date Data Arrived at EDR: 07/14/2015 Date Made Active in Reports: 01/10/2017

Number of Days to Update: 546

Source: USGS

Telephone: 202-208-3710 Last EDR Contact: 04/04/2024

Next Scheduled EDR Contact: 07/15/2024 Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 03/03/2023 Date Data Arrived at EDR: 03/03/2023 Date Made Active in Reports: 06/09/2023

Number of Days to Update: 98

Source: Department of Energy Telephone: 202-586-3559 Last EDR Contact: 04/26/2024

Next Scheduled EDR Contact: 08/12/2024

Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019 Date Data Arrived at EDR: 11/15/2019 Date Made Active in Reports: 01/28/2020

Number of Days to Update: 74

Source: Department of Energy Telephone: 505-845-0011 Last EDR Contact: 05/16/2024

Next Scheduled EDR Contact: 08/26/2024

Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 02/29/2024 Date Data Arrived at EDR: 03/01/2024 Date Made Active in Reports: 03/27/2024

Number of Days to Update: 26

Source: Environmental Protection Agency

Telephone: 703-603-8787 Last EDR Contact: 06/03/2024

Next Scheduled EDR Contact: 07/08/2024

Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001 Date Data Arrived at EDR: 10/27/2010 Date Made Active in Reports: 12/02/2010

Number of Days to Update: 36

Source: American Journal of Public Health

Telephone: 703-305-6451 Last EDR Contact: 12/02/2009 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016 Date Data Arrived at EDR: 10/26/2016 Date Made Active in Reports: 02/03/2017

Number of Days to Update: 100

US AIRS MINOR: Air Facility System Data A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017

Number of Days to Update: 100

Source: EPA

Telephone: 202-564-2496 Last EDR Contact: 09/26/2017

Next Scheduled EDR Contact: 01/08/2018 Data Release Frequency: Annually

Source: EPA

Telephone: 202-564-2496 Last EDR Contact: 09/26/2017

Next Scheduled EDR Contact: 01/08/2018 Data Release Frequency: Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 01/02/2024 Date Data Arrived at EDR: 01/03/2024 Date Made Active in Reports: 01/04/2024

Number of Days to Update: 1

Source: DOL, Mine Safety & Health Admi

Telephone: 202-693-9424 Last EDR Contact: 04/04/2024

Next Scheduled EDR Contact: 09/02/2024 Data Release Frequency: Quarterly

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/05/2024 Date Data Arrived at EDR: 02/21/2024 Date Made Active in Reports: 04/04/2024

Number of Days to Update: 43

Source: Department of Labor, Mine Safety and Health Administration

Telephone: 303-231-5959 Last EDR Contact: 05/21/2024

Next Scheduled EDR Contact: 09/02/2024 Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 01/07/2022 Date Data Arrived at EDR: 02/24/2023 Date Made Active in Reports: 05/17/2023

Number of Days to Update: 82

Source: USGS

Telephone: 703-648-7709 Last EDR Contact: 05/22/2024

Next Scheduled EDR Contact: 09/02/2024 Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011 Date Data Arrived at EDR: 06/08/2011 Date Made Active in Reports: 09/13/2011

Number of Days to Update: 97

Source: USGS

Telephone: 703-648-7709 Last EDR Contact: 05/23/2024

Next Scheduled EDR Contact: 09/02/2024

Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 03/18/2024 Date Data Arrived at EDR: 03/19/2024 Date Made Active in Reports: 06/06/2024

Number of Days to Update: 79

MINES MRDS: Mineral Resources Data System

Mineral Resources Data System

Date of Government Version: 08/23/2022 Date Data Arrived at EDR: 11/22/2022 Date Made Active in Reports: 02/28/2023

Number of Days to Update: 98

Source: Department of Interior Telephone: 202-208-2609 Last EDR Contact: 05/30/2024

Next Scheduled EDR Contact: 09/16/2024 Data Release Frequency: Quarterly

Source: USGS

Telephone: 703-648-6533 Last EDR Contact: 05/22/2024

Next Scheduled EDR Contact: 09/02/2024 Data Release Frequency: Varies

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 02/09/2024 Date Data Arrived at EDR: 02/27/2024 Date Made Active in Reports: 05/24/2024

Number of Days to Update: 87

Source: EPA

Telephone: (404) 562-9900 Last EDR Contact: 05/29/2024

Next Scheduled EDR Contact: 09/09/2024 Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 09/06/2023 Date Data Arrived at EDR: 09/13/2023 Date Made Active in Reports: 12/11/2023

Number of Days to Update: 89

Source: Department of Defense Telephone: 703-704-1564 Last EDR Contact: 04/08/2024

Next Scheduled EDR Contact: 07/22/2024 Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021 Date Data Arrived at EDR: 05/21/2021 Date Made Active in Reports: 08/11/2021

Number of Days to Update: 82

Source: Environmental Protection Agency

Telephone: 202-564-0527 Last EDR Contact: 05/17/2024

Next Scheduled EDR Contact: 09/02/2024 Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 12/17/2023 Date Data Arrived at EDR: 12/28/2023 Date Made Active in Reports: 03/04/2024

Number of Days to Update: 67

Source: Environmental Protection Agency

Telephone: 202-564-2280 Last EDR Contact: 04/04/2024

Next Scheduled EDR Contact: 07/15/2024 Data Release Frequency: Quarterly

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels

Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 02/12/2024 Date Data Arrived at EDR: 02/13/2024 Date Made Active in Reports: 04/04/2024

Number of Days to Update: 51

Source: EPA

Telephone: 800-385-6164 Last EDR Contact: 05/14/2024

Next Scheduled EDR Contact: 08/26/2024 Data Release Frequency: Quarterly

PFAS NPL: Superfund Sites with PFAS Detections Information

EPA's Office of Land and Emergency Management and EPA Regional Offices maintain data describing what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment.

Date of Government Version: 12/28/2023 Date Data Arrived at EDR: 12/28/2023 Date Made Active in Reports: 03/04/2024

Number of Days to Update: 67

Source: Environmental Protection Agency

Telephone: 703-603-8895 Last EDR Contact: 04/05/2024

Next Scheduled EDR Contact: 07/15/2024 Data Release Frequency: Varies

PFAS FEDERAL SITES: Federal Sites PFAS Information

Several federal entities, such as the federal Superfund program, Department of Defense, National Aeronautics and Space Administration, Department of Transportation, and Department of Energy provided information for sites with known or suspected detections at federal facilities.

Date of Government Version: 12/28/2023 Date Data Arrived at EDR: 12/28/2023 Date Made Active in Reports: 03/04/2024

Number of Days to Update: 67

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 04/05/2024

Next Scheduled EDR Contact: 07/15/2024 Data Release Frequency: Varies

PFAS TRIS: List of PFAS Added to the TRI

Section 7321 of the National Defense Authorization Act for Fiscal Year 2020 (NDAA) immediately added certain per- and polyfluoroalkyl substances (PFAS) to the list of chemicals covered by the Toxics Release Inventory (TRI) under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) and provided a framework for additional PFAS to be added to TRI on an annual basis.

Date of Government Version: 12/28/2023 Date Data Arrived at EDR: 12/28/2023 Date Made Active in Reports: 01/04/2024

Number of Days to Update: 7

Source: Environmental Protection Agency

Telephone: 202-566-0250 Last EDR Contact: 04/05/2024

Next Scheduled EDR Contact: 07/15/2024 Data Release Frequency: Varies

PFAS TSCA: PFAS Manufacture and Imports Information

EPA issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. EPA publishes non-confidential business information (non-CBI) and includes descriptive information about each site, corporate parent, production volume, other manufacturing information, and processing and use information.

Date of Government Version: 12/28/2023 Date Data Arrived at EDR: 12/28/2023 Date Made Active in Reports: 01/04/2024

Number of Days to Update: 7

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 04/05/2024

Next Scheduled EDR Contact: 07/15/2024 Data Release Frequency: Varies

PFAS RCRA MANIFEST: PFAS Transfers Identified In the RCRA Database Listing

To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: PFAS, PFOA, PFOS, PERFL, AFFF, GENX, GEN-X (plus the VT waste codes). These keywords were searched for in the following text fields: Manifest handling instructions (MANIFEST_HANDLING_INSTR), Non-hazardous waste description (NON_HAZ_WASTE_DESCRIPTION), DOT printed information (DOT_PRINTED_INFORMATION), Waste line handling instructions (WASTE_LINE_HANDLING_INSTR), Waste residue comments (WASTE_RESIDUE_COMMENTS).

Date of Government Version: 12/28/2023 Date Data Arrived at EDR: 12/28/2023 Date Made Active in Reports: 01/04/2024

Number of Days to Update: 7

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 04/05/2024

Next Scheduled EDR Contact: 07/15/2024 Data Release Frequency: Varies

PFAS ATSDR: PFAS Contamination Site Location Listing

PFAS contamination site locations from the Department of Health & Human Services, Center for Disease Control & Prevention. ATSDR is involved at a number of PFAS-related sites, either directly or through assisting state and federal partners. As of now, most sites are related to drinking water contamination connected with PFAS production facilities or fire training areas where aqueous film-forming firefighting foam (AFFF) was regularly used.

Date of Government Version: 06/24/2020 Date Data Arrived at EDR: 03/17/2021 Date Made Active in Reports: 11/08/2022

Number of Days to Update: 601

Source: Department of Health & Human Services

Telephone: 202-741-5770 Last EDR Contact: 04/22/2024

Last EDR Contact: 04/22/2024

Next Scheduled EDR Contact: 08/05/2024 Data Release Frequency: Varies

PFAS WQP: Ambient Environmental Sampling for PFAS

The Water Quality Portal (WQP) is a part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations and individuals submit project details and sampling results to this public repository. The information is commonly used for research and assessments of environmental quality.

Date of Government Version: 12/28/2023 Date Data Arrived at EDR: 12/28/2023 Date Made Active in Reports: 03/04/2024

Number of Days to Update: 67

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 04/05/2024

Next Scheduled EDR Contact: 07/15/2024 Data Release Frequency: Varies

PFAS NPDES: Clean Water Act Discharge Monitoring Information

Any discharger of pollutants to waters of the United States from a point source must have a National Pollutant Discharge Elimination System (NPDES) permit. The process for obtaining limits involves the regulated entity (permittee) disclosing releases in a NPDES permit application and the permitting authority (typically the state but sometimes EPA) deciding whether to require monitoring or monitoring with limits. Caveats and Limitations: Less than half of states have required PFAS monitoring for at least one of their permittees and fewer states have established PFAS effluent limits for permittees. New rulemakings have been initiated that may increase the number of facilities monitoring for PFAS in the future.

Date of Government Version: 12/28/2023 Date Data Arrived at EDR: 12/28/2023 Date Made Active in Reports: 03/04/2024

Number of Days to Update: 67

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 04/05/2024

Next Scheduled EDR Contact: 07/15/2024 Data Release Frequency: Varies

PFAS ECHO: Facilities in Industries that May Be Handling PFAS Listing

Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

Date of Government Version: 12/28/2023 Date Data Arrived at EDR: 12/28/2023 Date Made Active in Reports: 03/04/2024

Number of Days to Update: 67

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 04/05/2024

Next Scheduled EDR Contact: 07/15/2024

Data Release Frequency: Varies

PFAS ECHO FIRE TRAIN: Facilities in Industries that May Be Handling PFAS Listing

A list of fire training sites was added to the Industry Sectors dataset using a keyword search on the permitted facilitys name to identify sites where fire-fighting foam may have been used in training exercises. Additionally, you may view an example spreadsheet of the subset of fire training facility data, as well as the keywords used in selecting or deselecting a facility for the subset. as well as the keywords used in selecting or deselecting a facility for the subset. These keywords were tested to maximize accuracy in selecting facilities that may use fire-fighting foam in training exercises, however, due to the lack of a required reporting field in the data systems for designating fire training sites, this methodology may not identify all fire training sites or may potentially misidentify them.

Date of Government Version: 12/28/2023 Date Data Arrived at EDR: 12/28/2023 Date Made Active in Reports: 03/04/2024

Number of Days to Update: 67

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 04/05/2024

Next Scheduled EDR Contact: 07/15/2024 Data Release Frequency: Varies

PFAS PT 139 AIRPORT: All Certified Part 139 Airports PFAS Information Listing

Since July 1, 2006, all certified part 139 airports are required to have fire-fighting foam onsite that meet military specifications (MIL-F-24385) (14 CFR 139.317). To date, these military specification fire-fighting foams are fluorinated and have been historically used for training and extinguishing. The 2018 FAA Reauthorization Act has a provision stating that no later than October 2021, FAA shall not require the use of fluorinated AFFF. This provision does not prohibit the use of fluorinated AFFF at Part 139 civilian airports; it only prohibits FAA from mandating its use. The Federal Aviation Administration?s document AC 150/5210-6D - Aircraft Fire Extinguishing Agents provides guidance on Aircraft Fire Extinguishing Agents, which includes Aqueous Film Forming Foam (AFFF).

Date of Government Version: 12/28/2023 Date Data Arrived at EDR: 12/28/2023 Date Made Active in Reports: 03/04/2024

Number of Days to Update: 67

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 04/05/2024

Next Scheduled EDR Contact: 07/15/2024 Data Release Frequency: Varies

AQUEOUS FOAM NRC: Aqueous Foam Related Incidents Listing

The National Response Center (NRC) serves as an emergency call center that fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. The spreadsheets posted to the NRC website contain initial incident data that has not been validated or investigated by a federal/state response agency. Response center calls from 1990 to the most recent complete calendar year where there was indication of Aqueous Film Forming Foam (AFFF) usage are included in this dataset. NRC calls may reference AFFF usage in the ?Material Involved? or ?Incident Description? fields.

Date of Government Version: 12/28/2023 Date Data Arrived at EDR: 12/28/2023 Date Made Active in Reports: 03/04/2024 Number of Days to Update: 67 Source: Environmental Protection Agency Telephone: 202-267-2675 Last EDR Contact: 04/05/2024

Next Scheduled EDR Contact: 07/15/2024 Data Release Frequency: Varies

PCS ENF: Enforcement data

No description is available for this data

Date of Government Version: 12/31/2014 Date Data Arrived at EDR: 02/05/2015 Date Made Active in Reports: 03/06/2015

Number of Days to Update: 29

Source: EPA

Telephone: 202-564-2497 Last EDR Contact: 03/29/2024

Next Scheduled EDR Contact: 07/15/2024 Data Release Frequency: Varies

PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 12/16/2016 Date Data Arrived at EDR: 01/06/2017 Date Made Active in Reports: 03/10/2017

Number of Days to Update: 63

Source: EPA, Office of Water Telephone: 202-564-2496 Last EDR Contact: 03/29/2024

Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: No Update Planned

BIOSOLIDS: ICIS-NPDES Biosolids Facility Data

The data reflects compliance information about facilities in the biosolids program.

Date of Government Version: 12/31/2023 Date Data Arrived at EDR: 01/03/2024 Date Made Active in Reports: 01/16/2024

Number of Days to Update: 13

Source: Environmental Protection Agency

Telephone: 202-564-4700 Last EDR Contact: 04/16/2024

Next Scheduled EDR Contact: 07/29/2024

Data Release Frequency: Varies

PFAS: PFAS Detections Site Listing

The presence of PFAS contamination at locations, including water treatment plants.

Date of Government Version: 03/06/2023 Date Data Arrived at EDR: 03/09/2023 Date Made Active in Reports: 05/26/2023

Number of Days to Update: 78

Source: Department of Environmental Protection

Telephone: 502-564-3410 Last EDR Contact: 05/31/2024

Next Scheduled EDR Contact: 09/16/2024

Data Release Frequency: Varies

AIRS: Permitted Airs Facility Listing
A listing of permitted Airs facilities.

Date of Government Version: 02/14/2024 Date Data Arrived at EDR: 02/15/2024 Date Made Active in Reports: 05/06/2024

Number of Days to Update: 81

Source: Department of Environmental Protection

Telephone: 502-573-3382 Last EDR Contact: 04/22/2024

Next Scheduled EDR Contact: 08/05/2024 Data Release Frequency: Semi-Annually

ASBESTOS: Asbestos Notification Listing Asbestos sites

> Date of Government Version: 01/25/2024 Date Data Arrived at EDR: 01/26/2024 Date Made Active in Reports: 04/16/2024

Number of Days to Update: 81

Source: Department of Environmental Protection

Telephone: 502-782-6780 Last EDR Contact: 04/15/2024

Next Scheduled EDR Contact: 09/09/2024

Data Release Frequency: Varies

COAL ASH: Coal Ash Disposal Sites
A listing of coal ash pond site locations.

Date of Government Version: 12/15/2023 Date Data Arrived at EDR: 01/23/2024 Date Made Active in Reports: 04/09/2024

Number of Days to Update: 77

Source: Department of Environmental Protection

Telephone: 502-564-6716 Last EDR Contact: 04/23/2024

Next Scheduled EDR Contact: 08/05/2024
Data Release Frequency: No Update Planned

DRYCLEANERS: Drycleaner Listing
A listing of drycleaner facility locations.

Date of Government Version: 02/14/2024 Date Data Arrived at EDR: 02/15/2024 Date Made Active in Reports: 05/06/2024

Number of Days to Update: 81

Source: Department of Environmental Protection

Telephone: 502-573-3382 Last EDR Contact: 04/22/2024

Next Scheduled EDR Contact: 08/05/2024 Data Release Frequency: Semi-Annually

FIN ASSURANCE 1: Financial Assurance Information Listing

A listing of financial assurance information.

Date of Government Version: 02/14/2024 Date Data Arrived at EDR: 02/14/2024 Date Made Active in Reports: 05/06/2024

Number of Days to Update: 82

Source: Department of Environmental Protection

Telephone: 502-564-6716 Last EDR Contact: 04/22/2024

Next Scheduled EDR Contact: 08/05/2024 Data Release Frequency: Varies

FIN ASSURANCE 2: Financial Assurance Information Listing

Financial Assurance information for underground storage tank facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 05/14/2014 Date Data Arrived at EDR: 06/06/2014 Date Made Active in Reports: 06/24/2014

Number of Days to Update: 18

Source: Department of Environmental Protection

Telephone: 502-564-5981 Last EDR Contact: 04/22/2024

Next Scheduled EDR Contact: 08/05/2024

Data Release Frequency: Varies

FIN ASSURANCE 3: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 02/13/2024 Date Data Arrived at EDR: 02/14/2024 Date Made Active in Reports: 05/06/2024

Number of Days to Update: 82

Source: Department of Environmental Protection

Telephone: 502-564-6716 Last EDR Contact: 04/22/2024

Next Scheduled EDR Contact: 08/05/2024 Data Release Frequency: Varies

LEAD: Environmental Lead Program Report Tracking Database

Lead Report Tracking Database

Date of Government Version: 01/27/2017 Date Data Arrived at EDR: 02/02/2017 Date Made Active in Reports: 08/21/2017

Number of Days to Update: 200

Source: Department of Public Health

Telephone: 502-564-4537 Last EDR Contact: 04/26/2024

Next Scheduled EDR Contact: 08/12/2024

Data Release Frequency: Varies

NPDES: Permitted Facility Listing

A listing of permitted wastewater facilities.

Date of Government Version: 02/13/2024 Date Data Arrived at EDR: 02/14/2024 Date Made Active in Reports: 05/06/2024

Number of Days to Update: 82

Source: Department of Environmental Protection

Telephone: 502-564-3410 Last EDR Contact: 04/29/2024

Next Scheduled EDR Contact: 08/12/2024 Data Release Frequency: Semi-Annually

UIC: UIC Information

A listing of wells identified as underground injection wells, in the Kentucky Oil & Gas Wells data base.

Date of Government Version: 09/28/2023 Date Data Arrived at EDR: 10/10/2023 Date Made Active in Reports: 01/02/2024

Number of Days to Update: 84

Source: Kentucky Geological Survey

Telephone: 859-323-0544 Last EDR Contact: 04/10/2024

Next Scheduled EDR Contact: 07/22/2024 Data Release Frequency: Quarterly

UST FINDER RELEASE: UST Finder Releases Database

US EPA's UST Finder data is a national composite of leaking underground storage tanks. This data contains information about, and locations of, leaking underground storage tanks. Data was collected from state sources and standardized into a national profile by EPA's Office of Underground Storage Tanks, Office of Research and Development, and the Association of State and Territorial Solid Waste Management Officials.

Date of Government Version: 06/08/2023 Date Data Arrived at EDR: 10/31/2023 Date Made Active in Reports: 01/18/2024

Number of Days to Update: 79

Source: Environmental Protecton Agency

Telephone: 202-564-0394 Last EDR Contact: 05/08/2024

Next Scheduled EDR Contact: 08/19/2024 Data Release Frequency: Semi-Annually

PFAS PROJECT: NORTHEASTERN UNIVERSITY PFAS PROJECT

The PFAS Contamination Site Tracker records qualitative and quantitative data from each site in a chart, specifically examining discovery, contamination levels, government response, litigation, health impacts, media coverage, and community characteristics. All data presented in the chart were extracted from government websites, such as state health departments or the Environmental Protection Agency, and news articles.

Date of Government Version: 05/19/2023 Date Data Arrived at EDR: 04/05/2024 Date Made Active in Reports: 06/06/2024

Number of Days to Update: 62

Source: Social Science Environmental Health Research Institute

Telephone: N/A

Last EDR Contact: 06/04/2024

Next Scheduled EDR Contact: 09/16/2024

Data Release Frequency: Varies

E MANIFEST: Hazardous Waste Electronic Manifest System

EPA established a national system for tracking hazardous waste shipments electronically. This system, known as ?e-Manifest,? will modernize the nation?s cradle-to-grave hazardous waste tracking process while saving valuable time, resources, and dollars for industry and states.

Date of Government Version: 07/24/2023 Date Data Arrived at EDR: 04/18/2024 Date Made Active in Reports: 06/06/2024

Number of Days to Update: 49

Source: Environmental Protection Agency

Telephone: 833-501-6826 Last EDR Contact: 06/07/2024

Next Scheduled EDR Contact: 07/01/2024 Data Release Frequency: Varies

UST FINDER: UST Finder Database

EPA developed UST Finder, a web map application containing a comprehensive, state-sourced national map of underground storage tank (UST) and leaking UST (LUST) data. It provides the attributes and locations of active and closed USTs, UST facilities, and LUST sites from states and from Tribal lands and US territories . UST Finder contains information about proximity of UST facilities and LUST sites to: surface and groundwater public drinking water protection areas; estimated number of private domestic wells and number of people living nearby; and flooding and wildfires.

Date of Government Version: 06/08/2023 Date Data Arrived at EDR: 10/04/2023 Date Made Active in Reports: 01/18/2024

Number of Days to Update: 106

Source: Environmental Protection Agency

Telephone: 202-564-0394 Last EDR Contact: 05/08/2024

Next Scheduled EDR Contact: 08/19/2024

Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A Number of Days to Update: N/A

Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A

Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A

Number of Days to Update: N/A

Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A

Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A Source: EDR, Inc.
Date Data Arrived at EDR: N/A Telephone: N/A
Date Made Active in Reports: N/A Last EDR Contact: N/A

Number of Days to Update: N/A Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/03/2014
Number of Days to Update: 186

Telephone: N/A Last EDR Contact: 06/01/2012 Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/15/2014

Number of Days to Update: 198

Source: Department of Environmental Protection

Source: Department of Environmental Protection

Telephone: N/A

Last EDR Contact: 06/01/2012 Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 02/05/2024 Date Data Arrived at EDR: 02/06/2024 Date Made Active in Reports: 04/25/2024

Number of Days to Update: 79

Source: Department of Energy & Environmental Protection

Telephone: 860-424-3375 Last EDR Contact: 05/07/2024

Next Scheduled EDR Contact: 08/19/2024 Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2018 Date Data Arrived at EDR: 04/10/2019 Date Made Active in Reports: 05/16/2019

Number of Days to Update: 36

Source: Department of Environmental Protection

Telephone: N/A

Last EDR Contact: 03/29/2024

Next Scheduled EDR Contact: 07/15/2024 Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD

facility.

Date of Government Version: 12/31/2019 Date Data Arrived at EDR: 11/30/2023 Date Made Active in Reports: 12/01/2023

Number of Days to Update: 1

Source: Department of Environmental Conservation

Telephone: 518-402-8651 Last EDR Contact: 04/25/2024

Next Scheduled EDR Contact: 08/05/2024 Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018 Date Data Arrived at EDR: 07/19/2019 Date Made Active in Reports: 09/10/2019

Number of Days to Update: 53

Source: Department of Environmental Protection

Telephone: 717-783-8990 Last EDR Contact: 04/08/2024

Next Scheduled EDR Contact: 07/22/2024 Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2020 Date Data Arrived at EDR: 11/30/2021 Date Made Active in Reports: 02/18/2022

Number of Days to Update: 80

Source: Department of Environmental Management

Telephone: 401-222-2797 Last EDR Contact: 05/13/2024

Next Scheduled EDR Contact: 08/26/2024 Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018 Date Data Arrived at EDR: 06/19/2019 Date Made Active in Reports: 09/03/2019

Number of Days to Update: 76

Source: Department of Natural Resources

Telephone: N/A

Last EDR Contact: 06/03/2024

Next Scheduled EDR Contact: 09/16/2024 Data Release Frequency: Annually

Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media

Electric Power Transmission Line Data

Source: Endeavor Business Media

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services,

a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary

and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Certified Child Care Homes Source: Cabinet for Families & Children

Telephone: 502-564-7130

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: Environmental & Public Protection Cabinet

Telephone: 502-564-6736

Current USGS 7.5 Minute Topographic Map Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK®-PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

HARPER VILLAGE 445 BROWNING STREET MADISONVILLE, KY 42431

TARGET PROPERTY COORDINATES

Latitude (North): 37.336643 - 37° 20' 11.91" Longitude (West): 87.513446 - 87° 30' 48.41"

Universal Tranverse Mercator: Zone 16 UTM X (Meters): 454516.5 UTM Y (Meters): 4132138.0

Elevation: 432 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map: 50023974 MADISONVILLE WEST, KY

Version Date: 2022

East Map: 50024137 MADISONVILLE EAST, KY

Version Date: 2022

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

- 1. Groundwater flow direction, and
- 2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

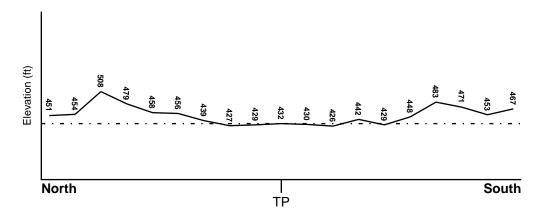
TOPOGRAPHIC INFORMATION

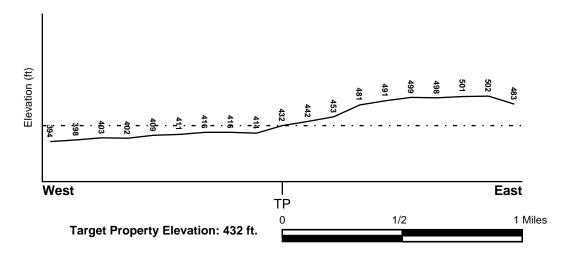
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General West

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property FEMA Source Type

21107C0234D FEMA FIRM Flood data

Additional Panels in search area: FEMA Source Type

21107C0232D FEMA FIRM Flood data 21107C0251D FEMA FIRM Flood data 21107C0233D FEMA FIRM Flood data 21107C0253D FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property Data Coverage

MADISONVILLE WEST YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

 MAP ID
 FROM TP
 GROUNDWATER FLOW

 Not Reported
 GROUNDWATER FLOW

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

GEOLOGIC AGE IDENTIFICATION

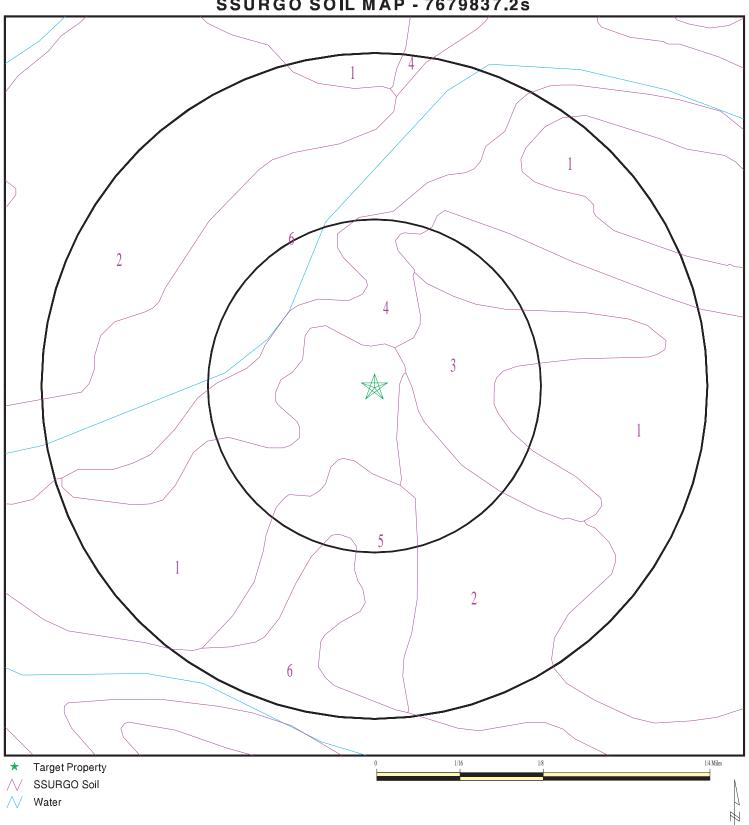
Era: Paleozoic Category: Stratifed Sequence

System: Pennsylvanian
Series: Missourian Series

Code: PP3 (decoded above as Era, System & Series)

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 7679837.2s



SITE NAME: Harper Village ADDRESS: 445 Browning Street Madisonville KY 42431 LAT/LONG: 37.336643 / 87.513446

CLIENT: Linebach Funkhouser Inc.
CONTACT: Eric Altobellis
INQUIRY#: 7679837.2s
DATE: June 12, 2024 3:56 pm

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Loring

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward

movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 61 inches

	Soil Layer Information							
	Boundary			Classification		Saturated hydraulic		
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Con Roadion	
1	0 inches	7 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14.11 Min: 1.41	Max: 6.5 Min: 4.5	
2	7 inches	27 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14.11 Min: 1.41	Max: 6.5 Min: 4.5	
3	27 inches	44 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14.11 Min: 1.41	Max: 6.5 Min: 4.5	
4	44 inches	59 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14.11 Min: 1.41	Max: 6.5 Min: 4.5	

Soil Map ID: 2

Soil Component Name: Grenada

Soil Surface Texture: silt loam

Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures. Hydrologic Group:

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 64 inches

	Soil Layer Information							
	Boundary			Classification		Saturated hydraulic		
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)	
1	0 inches	7 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.41 Min: 0.42	Max: 6 Min: 4.5	
2	7 inches	29 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.41 Min: 0.42	Max: 6 Min: 4.5	
3	29 inches	40 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.41 Min: 0.42	Max: 6 Min: 4.5	
4	40 inches	59 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.41 Min: 0.42	Max: 6 Min: 4.5	

Soil Map ID: 3

Soil Component Name: Grenada

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward

movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 36 inches

Soil Layer Information Saturated **Boundary** Classification hydraulic conductivity **AASHTO Group Unified Soil Soil Reaction** Layer Upper Lower Soil Texture Class micro m/sec (pH) 0 inches 3 inches silt loam Silt-Clay FINE-GRAINED Max: 1.41 Max: 6 Min: Materials (more SOILS, Silts and Min: 0.42 4.5 than 35 pct. Clays (liquid passing No. limit less than 200), Silty 50%), Lean Clay Soils. 2 3 inches 18 inches silt loam Silt-Clay FINE-GRAINED Max: 1.41 Max: 6 Min: Materials (more SOILS, Silts and 4.5 Min: 0.42 than 35 pct. Clays (liquid limit less than passing No. 200), Silty 50%), Lean Clay Soils. Max: 6 Min: 3 18 inches 29 inches silty clay loam Silt-Clay FINE-GRAINED Max: 1.41 Min: 0.42 SOILS, Silts and Materials (more 4.5 than 35 pct. Clays (liquid passing No. limit less than 200), Silty 50%), Lean Clay Soils. FINE-GRAINED 4 29 inches 59 inches silt loam Silt-Clay Max: 1.41 Max: 6 Min: SOILS, Silts and Materials (more Min: 0.42 4.5 than 35 pct. Clays (liquid passing No. limit less than 200), Silty 50%), Lean Clay Soils.

Soil Map ID: 4

Soil Component Name: Zanesville

Soil Surface Texture: silt loam

Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures. Hydrologic Group:

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 43 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)
1	0 inches	3 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14.11 Min: 4.23	Max: 6 Min: 4.5
2	3 inches	18 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14.11 Min: 4.23	Max: 6 Min: 4.5
3	18 inches	29 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14.11 Min: 4.23	Max: 6 Min: 4.5
4	29 inches	59 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14.11 Min: 4.23	Max: 6 Min: 4.5

Soil Map ID: 5

Soil Component Name: Calloway

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward

movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 30 inches

Soil Layer Information							
Layer	Boundary			Classification		Saturated hydraulic	
	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)
1	0 inches	9 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.41 Min: 0.42	Max: 7.8 Min: 5.1
2	9 inches	27 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.41 Min: 0.42	Max: 7.8 Min: 5.1
3	27 inches	59 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.41 Min: 0.42	Max: 7.8 Min: 5.1

Soil Map ID: 6

Soil Component Name: Belknap

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward

movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 30 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)
1	0 inches	7 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14.11 Min: 1.41	Max: 7.3 Min: 4.5
2	7 inches	24 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14.11 Min: 1.41	Max: 7.3 Min: 4.5
3	24 inches	59 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14.11 Min: 1.41	Max: 7.3 Min: 4.5

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE SEARCH DISTANCE (miles)

Federal USGS 1.000

Federal FRDS PWS Nearest PWS within 1 mile

State Database 1.000

FEDERAL USGS WELL INFORMATION

MAP ID WELL ID LOCATION FROM TP

FEDERAL USGS WELL INFORMATION

MAP ID WELL ID LOCATION FROM TP

No Wells Found

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID WELL ID FROM TP

13 KY0542625 1/2 - 1 Mile SE

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
	KY7000000079304	1/4 - 1/2 Mile SE
A2	KY700000079305	1/4 - 1/2 Mile SE
A3	KY700000079303	1/4 - 1/2 Mile SE
B4	KY700000063995	1/2 - 1 Mile NE
B5	KY700000063996	1/2 - 1 Mile NE
B6	KY700000063997	1/2 - 1 Mile NE
C7	KY700000076010	1/2 - 1 Mile ENE
C8	KY700000076009	1/2 - 1 Mile ENE
C9	KY700000072013	1/2 - 1 Mile ENE
C10	KY700000072018	1/2 - 1 Mile ENE
C11	KY700000072015	1/2 - 1 Mile ENE
C12	KY700000072014	1/2 - 1 Mile ENE

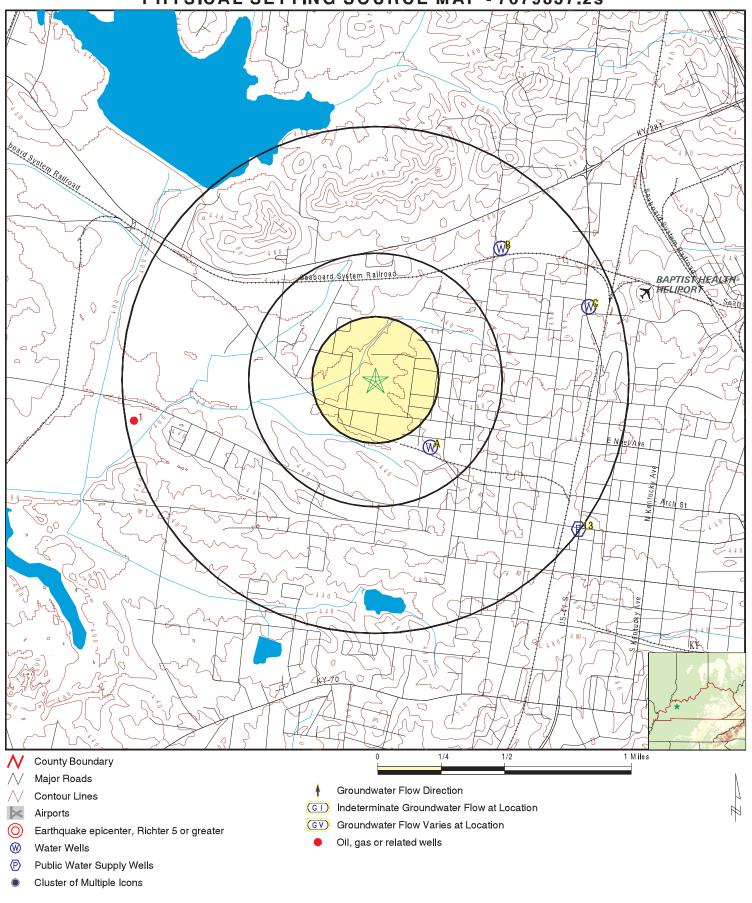
OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

 MAP ID
 WELL ID
 FROM TP

 1
 KYOG14000051288
 1/2 - 1 Mile West

PHYSICAL SETTING SOURCE MAP - 7679837.2s



CLIENT: Linebach Fun CONTACT: Eric Altobellis SITE NAME: Harper Village Linebach Funkhouser Inc. ADDRESS:

445 Browning Street Madisonville KY 42431 INQUIRY#: 7679837.2s LAT/LONG: 37.336643 / 87.513446 DATE: June 12, 2024 3:56 pm

GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance

Elevation Database EDR ID Number

A1 SE

1/4 - 1/2 Mile Higher

AKGWA ID: 80036139 Well Type: Monitoring Well

Well Status: Plugged Alt ID: MW-03

PWS ID: Not Reported Well Name: Ashmore Bulk Plant
Surface Elevation: 440 Usage: Monitoring Well - Ambient Monitoring

Total Depth: 10.5 Depth to Bedrock: 10.5

End Date: 25-SEP-01

A2 SE

1/4 - 1/2 Mile Higher

AKGWA ID: 80036140 Well Type: Monitoring Well Well Status: Plugged Alt ID: MW-01

PWS ID: Not Reported Well Name: Ashmore Bulk Plant

Surface Elevation: 440 Well Name. Assimore Bulk Plant

Well Name. Assimore Bulk Plant

Wonitoring Well - Ambient Monitoring

Total Depth: 10.5 Depth to Bedrock: 10.5

End Date: 10.5 Depth to Bedrock:

SE 1/4 - 1/2 Mile

1/4 - 1/2 Mile Higher

AKGWA ID: 80036138 Well Type: Monitoring Well Well Status: Plugged Alt ID: MW-02

PWS ID: Not Reported Well Name: Ashmore Bulk Plant

Surface Elevation: 440 Usage: Monitoring Well - Ambient Monitoring Total Depth: 10.5 Depth to Bedrock: 10.5

Total Depth: 10.5 Depth to Bedrock: 10.5 End Date: 25-SEP-01

1/2 - 1 Mile Higher

 AKGWA ID:
 80010157
 Well Type:
 Monitoring Well

 Well Status:
 Active
 Alt ID:
 MW-01

PWS ID: Not Reported Well Name: Hopkins County Maintenance Garage Surface Elevation: 475 Well Name: Hopkins County Maintenance Garage Monitoring Well - Ambient Monitoring

Osage. Williaming Well - A

Total Depth: 19.6 Depth to Bedrock: 19 End Date: 14-DEC-93

KY WELLS

KY WELLS

KY WELLS

KY7000000079304

KY700000079305

KY700000079303

GEOCHECK®-PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance

Elevation Database EDR ID Number

B5 NE

1/2 - 1 Mile Higher

AKGWA ID: 80010158 Well Type: Monitoring Well Well Status: Active Alt ID: MW-02

PWS ID: Not Reported Well Name: Hopkins County Maintenance Garage Surface Elevation: 475 Well Name: Usage: Monitoring Well - Ambient Monitoring

Total Depth: 18.299999 Depth to Bedrock: 17

End Date: 14-DEC-93

B6

NE 1/2 - 1 Mile Higher

 AKGWA ID:
 80010159
 Well Type:
 Monitoring Well

 Well Status:
 Active
 Alt ID:
 MW-03

PWS ID: Not Reported Well Name: Hopkins County Maintenance Garage Surface Elevation: 475 Usage: Monitoring Well - Ambient Monitoring

Surface Elevation: 475 Usage: Monitoring Well - Amb Total Depth: 18.4 Depth to Bedrock: 0

End Date: 14-DEC-93

ENE 1/2 - 1 Mile Higher

End Date:

 AKGWA ID:
 80031612
 Well Type:
 Monitoring Well

 Well Status:
 Active
 Alt ID:
 MW-02

 PWS ID:
 Not Reported
 Well Name:
 Kroger U 563

Surface Elevation: 470 Usage: Monitoring Well - Ambient Monitoring

Total Depth: 45 Depth to Bedrock: 15

12-DEC-96

1/2 - 1 Mile Higher

AKGWA ID: 80031611 Well Type: Monitoring Well Well Status: Unsuitable For Intended Use Alt ID: MW-01

PWS ID: Unsuitable For Intended Use Alt ID: MW-01

Well Name: Kroger U 563

Surface Elevation: 470 Usage: Monitoring Well - Ambient Monitoring

Total Depth: 35 Depth to Bedrock: 10 End Date: 12-DEC-96

KY WELLS

KY WELLS

KY WELLS

KY700000063996

KY700000063997

KY700000076010

GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance

Elevation Database EDR ID Number

C9 ENE 1/2 - 1 Mile

E KY WELLS KY700000072013

Higher

AKGWA ID: 80025189 Well Type: Monitoring Well

Well Status: Plugged Alt ID: MW-01

PWS ID: Not Reported Well Name: Revco (Proposed)
Surface Elevation: 483.5 Usage: Monitoring Well - Ambient Monitoring

Total Depth: 9.5 Depth to Bedrock: 9.5

End Date: 02-APR-96

C10 ENE 1/2 - 1 Mile Higher

iei

AKGWA ID: 80025194 Well Type: Monitoring Well Well Status: Plugged Alt ID: EP-1

PWS ID: Not Reported Well Name: Revco (Proposed)
Surface Elevation: 480 Usage: Remediation
Total Depth: 12.27 Depth to Bedrock: 12.27

End Date: 16-AUG-96

C11 ENE 1/2 - 1 Mile Higher

 AKGWA ID:
 80025191
 Well Type:
 Monitoring Well

 Well Status:
 Plugged
 Alt ID:
 MW-03

PWS ID: Not Reported Well Name: Revco (Proposed)

Surface Elevation: 478.600006 Usage: Monitoring Well - Ambient Monitoring

Total Depth: 6.5 Depth to Bedrock: End Date: 02-APR-96

C12
ENE
KY WELLS
1/2 - 1 Mile

 Higher

 AKGWA ID:
 80025190
 Well Type:
 Monitoring Well

 Well Status:
 Plugged
 Alt ID:
 MW-02

Well Status: Plugged Alt ID: MW-02
PWS ID: Not Reported Well Name: Revco (Proposed)

PWS ID: Not Reported Well Name: Revco (Proposed)

Surface Elevation: 481.299988 Usage: Monitoring Well - Ambient Monitoring

Total Depth: 12 Depth to Bedrock: 12.1

End Date: 02-APR-96

KY WELLS

KY WELLS

KY700000072018

KY700000072015

KY7000000072014

GEOCHECK®-PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance

Elevation Database EDR ID Number 13

SE 1/2 - 1 Mile

FRDS PWS KY0542625

Higher

Epa region: 04 State:

KY0542625 ISLAND CREEK COAL CO/FIES MINE Pwsid: Pwsname:

Cityserved: Not Reported Stateserved: ΚY Zipserved: Not Reported 21107 Fipscounty: Status: Closed Retpopsrvd: 525

Pwssvcconn: Psource longname: Surface_water **TNCWS** Pwstype: Owner: unknown

ISLAND CREEK COAL CO/FIES MINE Contact:

Not Reported Not Reported Contactorgname: Contactphone: DRAWER N Contactaddress1: Not Reported Contactaddress2:

Contactcity: **MADISONVILLE** Contactstate: ΚY 42431 Pwsactivitycode: Contactzip:

Pwsid: KY0542625 Facid:

Facname: 6 LAKES Factype: Treatment_plant Facactivitycode: Trtobjective: particulate removal

filtered Trtprocess: Factypecode:

Pwsid: KY0542625 Facid:

Treatment_plant Facname: 6 LAKES Factype: Facactivitycode: Trtobjective: disinfection

Factypecode: Trtprocess: chlorination (frds-1.5)

PWS ID: KY0542625 PWS type: Not Reported PWS name: Not Reported PWS address: Not Reported PWS state: Not Reported PWS city: Not Reported PWS zip: Not Reported PWS ID: KY0542625 Activity status: Active Date system activated: 7504

00000525 Date system deactivated: Not Reported Retail population:

ISLAND CREEK COAL CO/FIES MINE System name:

Not Reported DRAWER N System address: System address:

System city: **MADISONVILLE** System state: KY

System zip: 42431

County FIPS: **FIES** 054 City served:

Latitude: 371941 Longitude: 0872956

Latitude: 371921 Longitude: 0872210

GEOCHECK®-PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance

Database EDR ID Number

1 West OIL_GAS KYOG14000051288 1/2 - 1 Mile

OIL_GAS:

API #: 16107020700000 KGS #: 54144

Well Elevation: 396 Original Farm/Lease Name: KING, THOMAS

Original Operator: HAR-KEN OIL CO Original Well #: 1

Permit #:10932Formation:333SGVVDeepest Formation:000Init Open or Potential Flow:Not Reporteddescription in result_desc field:D&AOriginal API Classification:New Pool Wildcat

How Completed: Dry and abandoned

Bore Type: Conventional vertical well bore

Completion Date:08-JAN-64Plug Date:12-FEB-64Documentation on Plug:PACore Call #:Not ReportedCutting Call #:Not ReportedLog on File:ELOG

URL: https://kgs.uky.edu/kygeode/services/oilgas/wellReport.asp?id=54144

GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: KY Radon

Radon Test Results

Zip	Test Date	Test Result
42431	6/18/2003	0.20
42431	6/30/2003	3.60
42431	1/3/2002	3.90
42431	1/3/2002	3.90
42431	9/15/2003	2.90
42431	11/16/2003	0.70
42431	11/28/2003	4.90
42431	6/15/2004	0.40
42431	6/20/2004	0.90
42431	3/10/2004	0.90
42431	3/21/2004	2.80
42431	4/10/2004	0.70
42431	5/13/2004	1.00
42431	9/28/2004	0.70

Federal EPA Radon Zone for HOPKINS County: 2

Note: Zone 1 indoor average level > 4 pCi/L.

: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.

: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 42431

Number of sites tested: 5

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor Living Area - 2nd Floor Basement	0.440 pCi/L Not Reported Not Reported	100% Not Reported Not Reported	0% Not Reported Not Reported	0% Not Reported Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: Environmental & Public Protection Cabinet

Telephone: 502-564-6736

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Kentucky Water Well Records Database Source: Kentucky Geological Survey

Telephone: 859-257-5500

Water Wells in Kentucky. Data from the Kentucky Ground Water Data Repository.

OTHER STATE DATABASE INFORMATION

Oil and Gas Well Locations

Source: Kentucky Geological Survey

Telephone: 859-257-5500

Oil and gas well locations in the state of Kentucky

RADON

State Database: KY Radon

Source: Department of Public Health

Telephone: 502-564-4856 Radon Test Results

Area Radon Information Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency

(USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor

radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

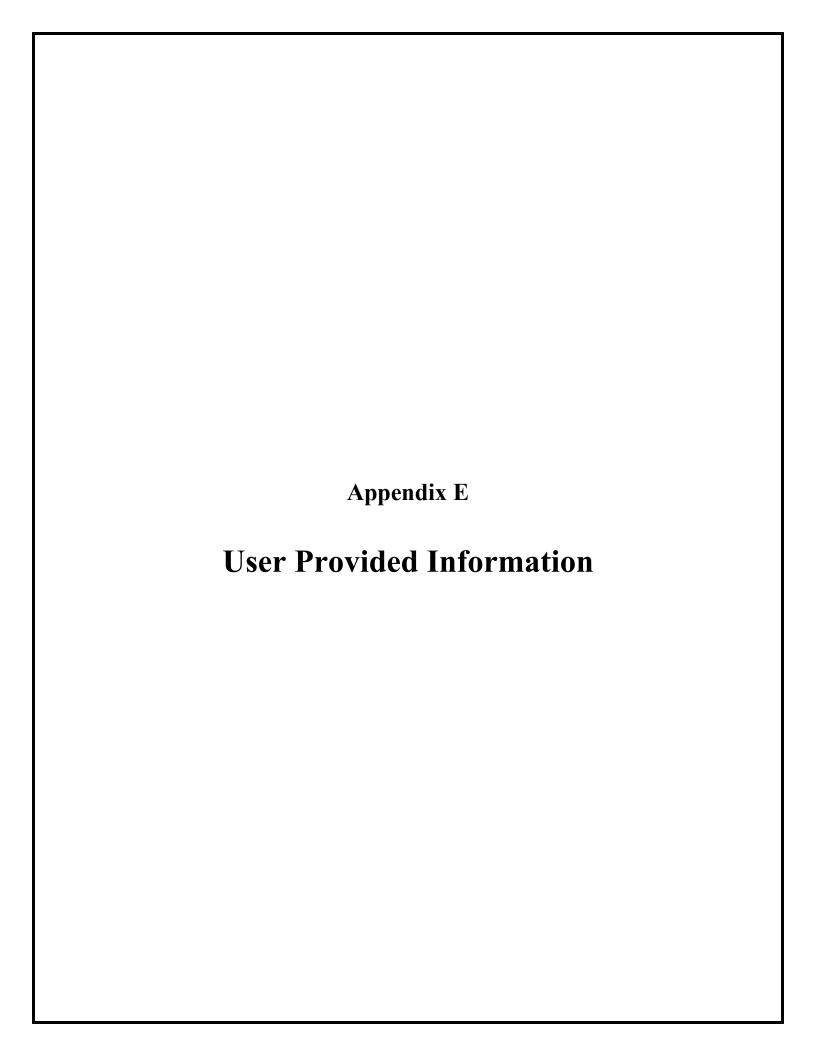
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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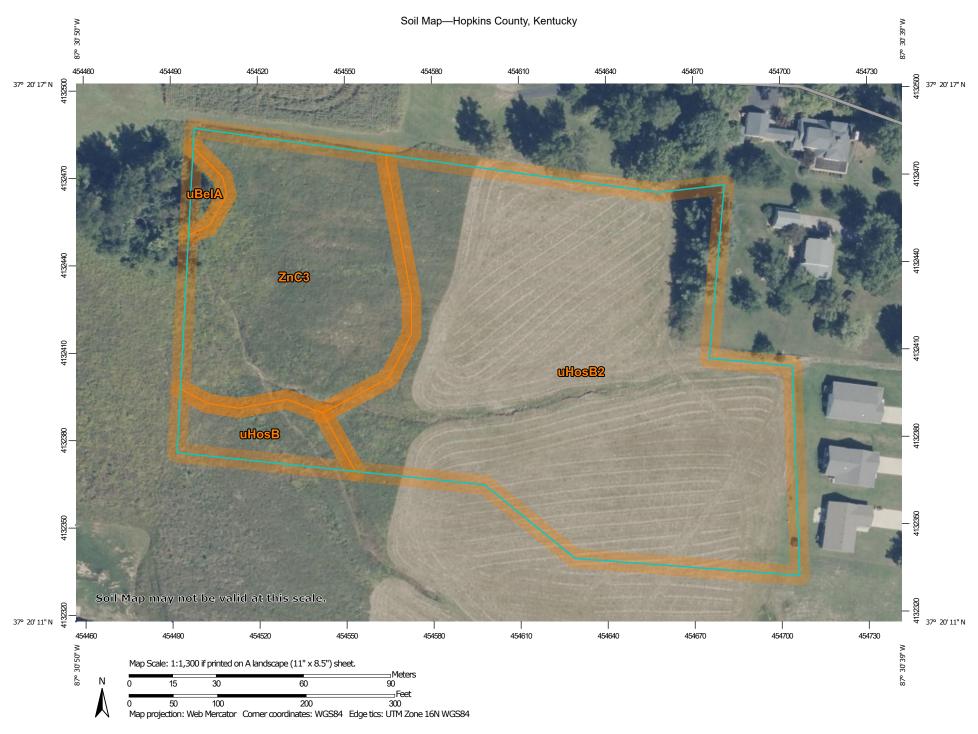


PHASE I ESA – AAI USER QUESTIONNAIRE (ASTM E1527-21)

Presented below is the User Questionnaire cited in Appendix X3 of ASTM E1527-21. In order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Relief and Brownfield's Revitalization Act of 2001 (the "Brownfield's Amendments"), the User (i.e. LFI client(s)) must conduct the following inquires and provide the information to the environmental professional. Failure to provide this information could result in a determination that "all appropriate inquiry" is not complete.

Subject Property: 445 Browning Street, Madisonville, KY LFI Project No: 032-24 T
1. Environmental Cleanup Liens Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, state, tribal or local law?
Yes No Unknown
2. Activity and Use Limitations (AULs) Are you aware of any AULs, such as engineering controls, land use restrictions, or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, state, tribal or local law?
Yes No Unknown
3. Specialized Knowledge or Experience Do you have any specialized knowledge or experience related to the subject property or surrounding properties? For example, are you involved in the same line of business as the current or former occupants of the subject property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business? Do you have documentation (e.g. — Phase I ESAs, Phase subsurface investigations, tank removal/closure reports, remedial reports, asbestos a lead-based paint sampling and/or abatement reports, etc.) for the subject property that may be relevant to this Phase I ESA?
Yes No Unknown
Comments:
4. Relationship of Purchase Price to Fair Market Value Does the purchase price being paid for the subject property reasonably reflect the fair market value of the property?
Yes No Unknown

If you conclude that there is a difference, have you price is because contamination is known or believ	
Yes No	
Comments:	
5. Commonly Known or Reasonably Ascertainable In Are you aware of commonly known or reasonal subject property that would help the environment indicative of releases or threatened releases? For	oly ascertainable information about the ental professional to identify conditions
a. Do you know the past uses of the property?b. Do you know of specific chemicals that are property?	present or once were present at the
c. Do you know of spills or other chemical reproperty?	·
d. Do you know of any environmental cleanups to Comments:	that have taken place at the property?
There was a small lake built on the site during the removed prior to 1994.	1960-70s, but it appears to have been
As the User of this ESA, based on your knowledg property, are there any obvious indicators that pocontamination at the subject property? Yes No Unknown	e and experience related to the subject
Comments:	
Please be sure to attach copies of documentation, as	available.
Completed by:	
Anthony Elmore Name	Vice President Title
Clayton Watkins Construction Company, Inc Company Name	July 1, 2024 Date
270-259-9361	
Phone Number	



MAP LEGEND

Area of Interest (AOI)

Area of Interest (AOI)

Soils

Soil Map Unit Polygons



Soil Map Unit Points

Special Point Features

(o) Blowout

Borrow Pit

Clay Spot

Closed Depression

Gravel Pit

Gravelly Spot

Landfill

Lava Flow

Marsh or swamp

Mine or Quarry

Miscellaneous Water

Perennial Water

Sandy Spot

Severely Eroded Spot

Saline Spot

Sinkhole

Slide or Slip

Sodic Spot

CLIAD

Spoil Area

Stony Spot

Wery Stony Spot

Wet Spot

Other

Special Line Features

Water Features

Δ

Streams and Canals

Transportation

Rails

Interstate Highways

US Routes

Major Roads

Local Roads

Background

Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:12.000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Hopkins County, Kentucky Survey Area Data: Version 23, Aug 30, 2024

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Apr 10, 2023—Oct 10, 2023

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
uBelA	Belknap silt loam, 0 to 2 percent slopes, occasionally flooded	0.1	1.0%
uHosB	Hosmer silt loam, 2 to 6 percent slopes	0.3	4.6%
uHosB2	Hosmer silt loam, 2 to 6 percent slopes, eroded	3.9	67.5%
ZnC3	Zanesville silt loam, 6 to 12 percent slopes, severely eroded	1.6	26.9%
Totals for Area of Interest		5.8	100.0%

Hopkins County, Kentucky

uBelA—Belknap silt loam, 0 to 2 percent slopes, occasionally flooded

Map Unit Setting

National map unit symbol: 2s2cn Elevation: 300 to 700 feet

Mean annual precipitation: 30 to 58 inches Mean annual air temperature: 45 to 69 degrees F

Frost-free period: 164 to 240 days

Farmland classification: Prime farmland if drained

Map Unit Composition

Belknap, occasionally flooded, and similar soils: 80 percent

Minor components: 20 percent

Estimates are based on observations, descriptions, and transects of

the mapunit.

Description of Belknap, Occasionally Flooded

Setting

Landform: Flood plains

Landform position (three-dimensional): Talf

Down-slope shape: Linear Across-slope shape: Linear

Parent material: Acid coarse-silty alluvium

Typical profile

Ap - 0 to 3 inches: silt loam
Bw - 3 to 9 inches: silt loam
Bg - 9 to 77 inches: silt loam
BCg - 77 to 100 inches: silt loam

Properties and qualities

Slope: 0 to 2 percent

Depth to restrictive feature: More than 80 inches Drainage class: Somewhat poorly drained

Runoff class: Negligible

Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)

Depth to water table: About 12 to 18 inches

Frequency of flooding: Occasional Frequency of ponding: None

Available water supply, 0 to 60 inches: Very high (about 13.8

inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 2w

Hydrologic Soil Group: B/D

Ecological site: F120AY019KY - Moist Silty Alluvium

Hydric soil rating: No

Minor Components

Wakeland, occasionally flooded

Percent of map unit: 6 percent

Landform: Flood plains

Landform position (three-dimensional): Talf

Down-slope shape: Linear Across-slope shape: Linear Hydric soil rating: No

Bonnie, occasionally flooded

Percent of map unit: 4 percent

Landform: Flood plains

Landform position (three-dimensional): Dip

Down-slope shape: Concave Across-slope shape: Linear Hydric soil rating: Yes

Sharon, occasionally flooded

Percent of map unit: 4 percent

Landform: Flood plains

Landform position (three-dimensional): Rise

Down-slope shape: Linear Across-slope shape: Linear Hydric soil rating: No

Stendal, occasionally flooded

Percent of map unit: 4 percent

Landform: Flood plains

Landform position (three-dimensional): Talf

Down-slope shape: Linear Across-slope shape: Linear Hydric soil rating: No

Belknap, frequently (hydric)

Percent of map unit: 2 percent

Landform: Flood plains

Landform position (three-dimensional): Talf

Down-slope shape: Linear Across-slope shape: Linear Hydric soil rating: Yes

Data Source Information

Soil Survey Area: Hopkins County, Kentucky Survey Area Data: Version 23, Aug 30, 2024

Hopkins County, Kentucky

uHosB—Hosmer silt loam, 2 to 6 percent slopes

Map Unit Setting

National map unit symbol: 2pz0p Elevation: 330 to 840 feet

Mean annual precipitation: 30 to 58 inches Mean annual air temperature: 42 to 69 degrees F

Frost-free period: 154 to 240 days

Farmland classification: All areas are prime farmland

Map Unit Composition

Hosmer and similar soils: 85 percent Minor components: 15 percent

Estimates are based on observations, descriptions, and transects of

the mapunit.

Description of Hosmer

Setting

Landform: Ridges

Landform position (two-dimensional): Summit Landform position (three-dimensional): Interfluve

Down-slope shape: Convex Across-slope shape: Linear

Parent material: Thick fine-silty noncalcareous loess

Typical profile

Ap - 0 to 9 inches: silt loam

Bt - 9 to 25 inches: silt loam

Btx - 25 to 80 inches: silt loam

Properties and qualities

Slope: 2 to 6 percent

Depth to restrictive feature: 20 to 39 inches to fragipan

Drainage class: Moderately well drained

Runoff class: Medium

Capacity of the most limiting layer to transmit water

(Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)

Depth to water table: About 20 to 30 inches

Frequency of flooding: None Frequency of ponding: None

Available water supply, 0 to 60 inches: Low (about 5.3 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 2e

Hydrologic Soil Group: C/D

Ecological site: F120AY002KY - Fragipan Uplands

Hydric soil rating: No

Minor Components

Alford

Percent of map unit: 5 percent

Landform: Ridges

Landform position (two-dimensional): Summit, shoulder Landform position (three-dimensional): Interfluve

Down-slope shape: Convex Across-slope shape: Linear Hydric soil rating: No

Robbs

Percent of map unit: 4 percent

Landform: Ridges

Landform position (two-dimensional): Summit Landform position (three-dimensional): Interfluve

Down-slope shape: Concave Across-slope shape: Linear Hydric soil rating: No

Zanesville

Percent of map unit: 4 percent

Landform: Ridges

Landform position (two-dimensional): Summit Landform position (three-dimensional): Interfluve

Down-slope shape: Convex Across-slope shape: Linear Hydric soil rating: No

Sadler

Percent of map unit: 2 percent

Landform: Ridges

Landform position (two-dimensional): Summit Landform position (three-dimensional): Interfluve

Down-slope shape: Convex Across-slope shape: Linear Hydric soil rating: No

Data Source Information

Soil Survey Area: Hopkins County, Kentucky Survey Area Data: Version 23, Aug 30, 2024

Hopkins County, Kentucky

uHosB2—Hosmer silt loam, 2 to 6 percent slopes, eroded

Map Unit Setting

National map unit symbol: 2vv02 Elevation: 330 to 940 feet

Mean annual precipitation: 30 to 58 inches
Mean annual air temperature: 41 to 69 degrees F

Frost-free period: 151 to 246 days

Farmland classification: All areas are prime farmland

Map Unit Composition

Hosmer, eroded, and similar soils: 90 percent

Minor components: 10 percent

Estimates are based on observations, descriptions, and transects of

the mapunit.

Description of Hosmer, Eroded

Setting

Landform: Ridges

Landform position (two-dimensional): Backslope Landform position (three-dimensional): Interfluve

Down-slope shape: Convex Across-slope shape: Linear

Parent material: Thick fine-silty noncalcareous loess

Typical profile

Ap - 0 to 6 inches: silt loam
Bt - 6 to 33 inches: silt loam
Btx - 33 to 80 inches: silt loam

Properties and qualities

Slope: 2 to 6 percent

Depth to restrictive feature: 24 to 39 inches to fragipan

Drainage class: Moderately well drained

Runoff class: Medium

Capacity of the most limiting layer to transmit water

(Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)

Depth to water table: About 20 to 35 inches

Frequency of flooding: None Frequency of ponding: None

Available water supply, 0 to 60 inches: Low (about 5.8 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 2e

Hydrologic Soil Group: C

Ecological site: F120AY002KY - Fragipan Uplands

Hydric soil rating: No

Minor Components

Alford, eroded

Percent of map unit: 4 percent

Landform: Ridges

Landform position (two-dimensional): Summit, shoulder Landform position (three-dimensional): Interfluve

Down-slope shape: Convex Across-slope shape: Linear Hydric soil rating: No

Zanesville, eroded

Percent of map unit: 4 percent

Landform: Ridges

Landform position (two-dimensional): Summit Landform position (three-dimensional): Interfluve

Down-slope shape: Convex Across-slope shape: Linear Hydric soil rating: No

Wellston, eroded

Percent of map unit: 2 percent

Landform: Ridges

Landform position (two-dimensional): Backslope Landform position (three-dimensional): Interfluve

Down-slope shape: Linear Across-slope shape: Linear Hydric soil rating: No

Data Source Information

Soil Survey Area: Hopkins County, Kentucky Survey Area Data: Version 23, Aug 30, 2024

Hopkins County, Kentucky

ZnC3—Zanesville silt loam, 6 to 12 percent slopes, severely eroded

Map Unit Setting

National map unit symbol: 2s2ct Elevation: 320 to 970 feet

Mean annual precipitation: 30 to 61 inches
Mean annual air temperature: 42 to 70 degrees F

Frost-free period: 154 to 240 days

Farmland classification: Not prime farmland

Map Unit Composition

Zanesville, severely eroded, and similar soils: 85 percent

Minor components: 15 percent

Estimates are based on observations, descriptions, and transects of

the mapunit.

Description of Zanesville, Severely Eroded

Setting

Landform: Ridges

Landform position (two-dimensional): Backslope Landform position (three-dimensional): Side slope

Down-slope shape: Convex Across-slope shape: Linear

Parent material: Thin fine-silty noncalcareous loess over loamy residuum weathered from sandstone and siltstone

Typical profile

Ap - 0 to 4 inches: silt loam Bt - 4 to 23 inches: silt loam

Btx - 23 to 34 inches: silty clay loam
2C - 34 to 56 inches: clay loam
R - 56 to 66 inches: bedrock

Properties and qualities

Slope: 6 to 12 percent

Depth to restrictive feature: 20 to 28 inches to fragipan; 38 to 75

inches to lithic bedrock

Drainage class: Moderately well drained

Runoff class: Medium

Capacity of the most limiting layer to transmit water (Ksat): Very low

to moderately low (0.00 to 0.13 in/hr)

Depth to water table: About 17 to 26 inches

Frequency of flooding: None Frequency of ponding: None

Available water supply, 0 to 60 inches: Low (about 4.7 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 4e

Hydrologic Soil Group: C/D

Ecological site: F120AY002KY - Fragipan Uplands

Hydric soil rating: No

Minor Components

Sadler, eroded

Percent of map unit: 5 percent

Landform: Ridges

Landform position (two-dimensional): Summit Landform position (three-dimensional): Interfluve

Down-slope shape: Convex Across-slope shape: Linear Hydric soil rating: No

Hosmer, severely eroded

Percent of map unit: 5 percent

Landform: Loess hills

Landform position (two-dimensional): Shoulder, backslope

Landform position (three-dimensional): Side slope

Down-slope shape: Convex Across-slope shape: Linear Hydric soil rating: No

Wellston, severely eroded

Percent of map unit: 5 percent

Landform: Hills

Landform position (two-dimensional): Backslope Landform position (three-dimensional): Side slope

Down-slope shape: Concave Across-slope shape: Linear Hydric soil rating: No

Data Source Information

Soil Survey Area: Hopkins County, Kentucky Survey Area Data: Version 23, Aug 30, 2024

Transportation and Sanitation Departments

The Madisonville Public Works Department will effectively and efficiently serve the residents, businesses and industries of the City of Madisonville by providing exemplary customer service, which includes Madisonville Public Works Department staff responding to inquiries in a timely manner, consistently displaying a positive, courteous and helpful attitude and being proactive problem solvers by resolving citizens' concerns in a timely and cost-efficient manner.

Contact

Transportation Department

Sanitation Department

Maintenance & Drainage	
Concrete Services	~
Paving	~
Traffic Control Funcitons	~
Weather Related	~

Discontinuing Sanitation Service

Commercial Dumpster Service

Our range of services extends to the business community including large apartment complexes. We can provide 2 to 8-yard commercial dumpsters and 96-gallon mobile carts tailored to the size of your business and your specific needs. We are committed to assisting you in selecting the most cost-effective service. For mobile cart collection, please refer to the above Sanitation Policies and Fees, for further information

For dumpster service:

To ensure proper trash disposal and minimize potentia damage to property and personnel, it is essential that all waste designated for pick-up be placed inside the dumpster with the lids and side doors fully closed Enclosures housing dumpsters must comply with the size and construction specifications outlined by the Public Works Department. Additionally, property owners are responsible for maintaining the cleanliness and good condition of the area surrounding the dumpster enclosure It is crucial to keep service gates in proper working order and ensure the installation and functionality of gate stops to prevent any issues.

t is essential to keep the path to the dumpster clear at all

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Call

_earn Mor

Single-Stream Curbside Recycling - Toter fee \$5.00

iRecycle is Madisonville's hassle-free, single-stream recycling program, provided to our Sanitation customers. All collected materials undergo sorting at the City of Madisonville Recycling Center, before being shipped to processing mills.

Enrolling is simple! If you are currently a City of Madisonville sanitation customer, you are eligible to participate.

Please email our Sanitation Department at <u>irecycle@madisonvillegov.com</u> or call one of our capable team members at <u>(270) 824-2117</u>. The normal hours of operation for our Public Works Department are M-F, 7:00 a.m. to 3:30 p.m.











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Public Works Sanitation Superintendent

Tracy Logan

CONTACT

Phone: (270) 824-2117

Email: tlogan@madisonvillegov.com



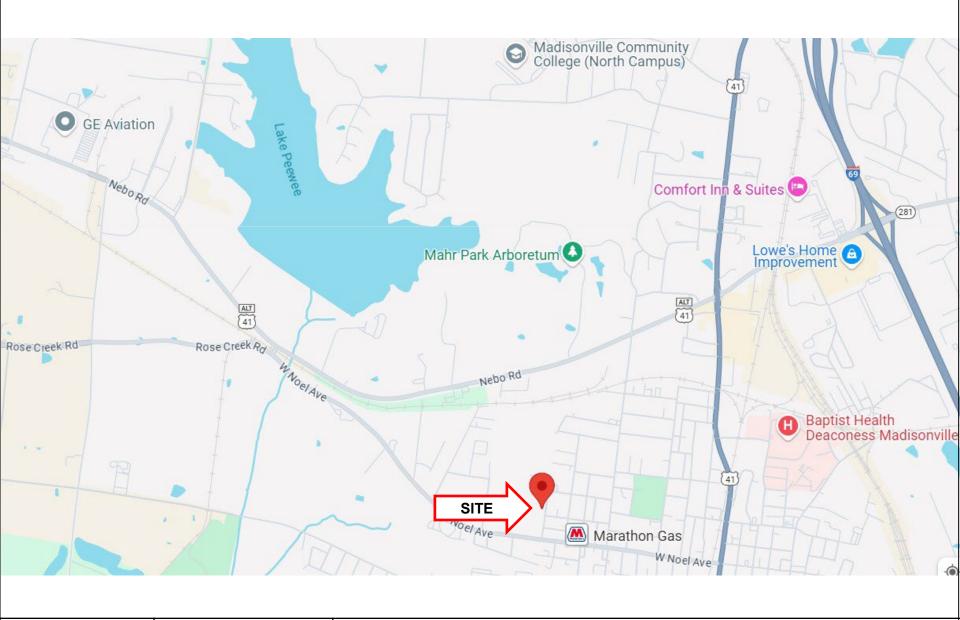
Public Works Transportation Superintendent

LINCOLN FUGAL

CONTACT

Phone: (270) 824-2100

Email: lfugal@madisonvillegov.com



†		Roads Near Subject Site	
N		Madisonville, KY	
'	NTS	October 2024	



United States Department of the Interior



FISH AND WILDLIFE SERVICE

Kentucky Ecological Services Field Office J C Watts Federal Building, Room 265 330 West Broadway Frankfort, KY 40601-8670

Phone: (502) 695-0467 Fax: (502) 695-1024 Email Address: <u>kentuckyes@fws.gov</u>

In Reply Refer To: 08/09/2024 00:04:18 UTC

Project code: 2024-0112234

Project Name: Harper Village - Madisonville, Kentucky

Subject: Consistency letter for the project named 'Harper Village - Madisonville, Kentucky' for

the endangered Indiana bat and its critical habitat in the proposed project location,

pursuant to the Indiana Bat Determination Key (DKey)

Dear Suzanne Arnzen:

The U.S. Fish and Wildlife Service (Service) received on **August 09, 2024** your effect determination(s) for the 'Harper Village - Madisonville, Kentucky' using the Indiana Bat DKey within the Information for Planning and Consultation (IPaC) system. The Service developed this system in accordance with the Endangered Species Act of 1973 (ESA) (87 Stat.884, as amended; 16 U.S.C. 1531 et seq.).

Based on your answers and the assistance of the Service's Indiana Bat DKey, you made the following effect determination(s) for the proposed Action:

SpeciesListing StatusDeterminationIndiana Bat (Myotis sodalis)EndangeredNo effect

Consultation Status

No Effect Determinations: : Species with No effect determinations are those for which you determined the proposed Action would have "no effect" on the species. There is no statutory requirement for the federal action agency to request concurrence with that determination; however, the federal action agency should document the supporting information for this determination in their files. This documentation would typically demonstrate a lack of suitable habitat within the action area, show that no impacts to suitable habitat would occur, or provide information that the species is not reasonably certain to occur in the action area even though suitable habitat is present.

The Service recommends that your agency contact the Kentucky Ecological Services Field Office or re-evaluate the Action in IPaC if: 1) the scope, timing, duration, or location of the Action changes, 2) new information reveals the Action may affect listed species or designated critical habitat, or 3) a new species is listed or critical habitat designated. If any of the above conditions occurs, additional consultation with the Kentucky Ecological Services Field Office should take place before project changes are final or resources committed.

In addition to the Indiana bat, the following species and/or critical habitats may also occur in your project area and **are not** covered by this conclusion:

- Clubshell *Pleurobema clava* Endangered
- Fanshell *Cyprogenia stegaria* Endangered
- Gray Bat *Myotis grisescens* Endangered
- Monarch Butterfly Danaus plexippus Candidate
- Northern Riffleshell *Epioblasma rangiana* Endangered
- Pink Mucket (pearlymussel) *Lampsilis abrupta* Endangered
- Whooping Crane *Grus americana* Experimental Population, Non-Essential

To address effects to other federally listed or proposed species and/or their designated critical habitat, you can request project-specific review by following the instructions in the "Next Steps" section of your species list letter, or you may use another determination key, if available.

Additional Coordination

To request additional technical assistance or consultation, please contact the Kentucky Ecological Services Field Office. When you contact the office, please provide all relevant site-specific information regarding the proposed Action. The Kentucky Ecological Services Field Office will respond within 30 to 60 days of your submittal.

Action Description

You provided to IPaC the following name and description for the subject Action.

1. Name

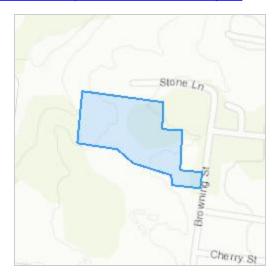
Harper Village - Madisonville, Kentucky

2. Description

The following description was provided for the project 'Harper Village - Madisonville, Kentucky':

Construction of affordable housing.

The approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/@37.3371437,-87.51253831856621,14z



QUALIFICATION INTERVIEW

1. Will the proposed action involve Federal funding, permitting, or authorization, or will it be carried out by a Federal Agency?

Yes

No

2. Is the Federal Highway Administration (FHWA), Federal Railroad Administration (FRA), or Federal Transit Administration (FTA) the lead Federal Agency for this action.

3. Are you the lead Federal Action Agency or designated non-federal representative requesting concurrence on behalf of the lead Federal Action Agency?

No

4. [Semantic] Is the Action Area within 1/2-mile of a known Indiana bat hibernaculum?

Note: The map queried for this question contains proprietary information and cannot be displayed. If you need additional information, please contact the Field Office listed in the letterhead of this letter.

Automatically answered

No

5. Will the proposed Action involve construction or operation of wind turbines? *No*

6. Will the proposed Action involve blasting, other than a fireworks display? *No*

7. Will the proposed Action involve a new point source discharge from a facility other than a water treatment plant or storm water system?

No

8. Will the proposed Action involve the creation of a new water-borne contaminant source (e.g., leachate pond, pits containing chemicals that are not NSF/ANSI 60 compliant)?

Note: For information regarding NSF/ANSI 60 please visit https://www.nsf.org/knowledge-library/nsf-ansi-standard-60-drinking-water-treatment-chemicals-health-effects

No

9. Will the proposed Action include the removal, replacement, repair and/or maintenance of an existing bridge?

No

10. Will the proposed Action involve perennial stream loss that would require an individual permit under 404 of the Clean Water Act?

No

11. Will the proposed Action involve discharge of sediment into a stream?

No

Project code: 2024-0112234 IPaC Record Locator: 930-145854480

08/09/2024 00:04:18 UTC

12. Does the Action Area contain any caves (including their associated sinkholes, fissures, or other karst features), rockshelters, underground quarries, or abandoned mine portals (including associated underground workings)?

No

13. Will the proposed project result in the removal of trees?

14. Based on the responses you have provided, we believe that the proposed Action is consistent with the type of Actions programmatically evaluated by the Service under the standing analyses that supports this determination key. These Actions typically conclude with "no effect" or "may affect - not likely to adversely affect" determinations for the Indiana bat.

What determination do you want to make for the Indiana bat:

Note: IPaC will not provide a concurrence for "no effect" determinations, because there is no statutory requirement to request concurrence from the Service. IPaC will provide concurrence for "May affect – not likely to adversely affect" determinations. If you choose "May affect - likely to adversely affect" or "Unsure," additional coordination with the Service is recommended.

No effect

IPAC USER CONTACT INFORMATION

Agency: **Private Entity** Name: Suzanne Arnzen

Address: 11450 Watterson Court

Address Line 2: Suite 200 City: Louisville

State: KY 40299 Zip:

Email sarnzen@cmecenvironmental.com

Phone: 5024890850

LEAD AGENCY CONTACT INFORMATION

Lead Agency: Department of Housing and Urban Development



United States Department of the Interior



FISH AND WILDLIFE SERVICE

Kentucky Ecological Services Field Office J C Watts Federal Building, Room 265 330 West Broadway Frankfort, KY 40601-8670

Phone: (502) 695-0467 Fax: (502) 695-1024 Email Address: kentuckyes@fws.gov

In Reply Refer To: 07/05/2024 20:23:16 UTC

Project code: 2024-0112234

Project Name: Harper Village - Madisonville, Kentucky

Subject: Consistency letter for the project named 'Harper Village - Madisonville, Kentucky' for

specified threatened and endangered species that may occur in your proposed project

location consistent with the Kentucky Determination Key (DKey)

Dear Suzanne Arnzen:

The U.S. Fish and Wildlife Service (Service) received on **July 05, 2024** your effect determination(s) for the 'Harper Village - Madisonville, Kentucky' (Action) using the Kentucky (DKey) within the Information for Planning and Consultation (IPaC) system. The Service developed this system in accordance with the Endangered Species Act of 1973 (ESA) (87 Stat. 884, as amended; 16 U.S.C. 1531 et seq.).

You have agreed to the following conservation measures:

• The project proponent will complete all excavation and grading and put BMPs in place to stabilize all excavated and graded areas within 1 month.

Based on your answers and the assistance of the Service's Kentucky DKey, you made the following effect determination(s) for the proposed Action:

Species	Listing Status	Determination
Clubshell (<i>Pleurobema clava</i>)	Endangered	No effect
Fanshell (Cyprogenia stegaria)	Endangered	No effect
Gray Bat (Myotis grisescens)	Endangered	No effect
Northern Riffleshell (<i>Epioblasma rangiana</i>)	Endangered	No effect
Pink Mucket (pearlymussel) (Lampsilis abrupta)	Endangered	No effect

Consultation Status

No Effect Determinations: Species with No effect determinations are those for which you determined the proposed Action would have "no effect" on the species. There is no statutory

requirement for the federal action agency to request concurrence with that determination; however, the federal action agency should document the supporting information for this determination in their files. This documentation would typically demonstrate a lack of suitable habitat within the action area, show that no impacts to suitable habitat would occur, or provide information that the species is not reasonably certain to occur in the action area even though

Coordination with the Kentucky Ecological Services Office is complete. Thank you for considering Federally listed species during your project planning.

The Service recommends that your agency contact the Kentucky Ecological Services Field Office or re-evaluate the Action in IPaC if: 1) the scope, timing, duration, or location of the Action changes, 2) new information reveals the Action may affect listed species or designated critical habitat, or 3) a new species is listed or critical habitat designated. If any of the above conditions occurs, additional consultation with the Kentucky Ecological Services Field Office should take place before project changes are final or resources committed.

The following species and/or critical habitats may also occur in your project area and **are not** covered by this conclusion:

• Indiana Bat *Myotis sodalis* Endangered

Project code: 2024-0112234

suitable habitat is present.

- Monarch Butterfly Danaus plexippus Candidate
- Northern Long-eared Bat *Myotis septentrionalis* Endangered
- Whooping Crane *Grus americana* Experimental Population, Non-Essential

To address effects to other federally listed or proposed species and/or their designated critical habitat, you can request project-specific review by following the instructions in the "Next Steps" section of your species list letter, or you may use another determination key, if available.

Additional Coordination

To request additional technical assistance or consultation, please contact the Kentucky Ecological Services Field Office . When you contact the office, please provide all relevant site-specific information regarding the proposed Action. The Kentucky Ecological Services Field Office will respond within 30 to 60 days of your submittal.

Action Description

You provided to IPaC the following name and description for the subject Action.

1. Name

Harper Village - Madisonville, Kentucky

2. Description

The following description was provided for the project 'Harper Village - Madisonville, Kentucky':

Construction of affordable housing.

The approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/@37.3371437,-87.51253831856621,14z



QUALIFICATION INTERVIEW

1. Will the proposed Action involve Federal funding, permitting, or authorization, or will it be carried out by a Federal Agency?

Yes

2. Are you the lead Federal Action Agency or designated non-federal representative requesting concurrence on behalf of the lead Federal Action Agency?

No

3. [Hidden Semantic] Does the action area intersect critical habitat?

Automatically answered

No

4. Will the proposed Action involve construction or operation of wind turbines?

No

5. Will the proposed Action involve blasting (other than a fireworks display)?

No

6. Will the proposed Action involve a new point source discharge from a facility other than a water treatment plant or storm water system?

No

- 7. Will the proposed Action involve the creation of a new water-borne contaminant source (e.g. leachate pond, pits containing chemicals that are not NSF/ANSI 60 compliant)? No
- 8. Will the proposed Action include the removal, replacement, repair and/or maintenance of an existing bridge or culvert?

No

9. Will the proposed Action involve perennial stream loss that would require an individual permit under 404 of the Clean Water Act?

No

10. Will the proposed Action involve discharge of sediment into a stream?

No

11. Does the Action Area contain any caves (including their associated sinkholes, fissures, or other karst features), rockshelters, underground quarries, or abandoned mine portals (including associated underground workings)?

No

12. [Hidden Semantic] Does the Action Area intersect the Kentucky AOI of the gray bat?

Automatically answered

Yes

13. Will the proposed Action involve drilling or boring?

Yes

14. Prior to the drilling or boring, will the project proponent conduct appropriate preliminary evaluations to ensure that proposed drilling or boring is unlikely to encounter karst voids or other voids?

Yes

- 15. Will the project proponent contact the Field Office if potentially suitable gray bat hibernacula or roosting habitat is encountered during drilling or boring? Yes
- 16. Based on the responses you have provided, we believe that the proposed Action is consistent with the type of Actions programmatically evaluated by the Service's Kentucky Field Office under the standing analyses that support this determination key. These Actions typically conclude with "no effect" or "may affect - not likely to adversely affect" determinations for the gray bat.

What is your effect determination for the **gray bat**?

Note: IPaC will not provide a concurrence for "no effect" determinations, because there is no statutory requirement to request concurrence from the Service. IPaC will provide concurrence for "May affect – not likely to adversely affect" determinations. If you choose "May affect – likely to adversely affect" or "Unsure," additional coordination with the Service is recommended.

- 1. "No effect"
- 17. Will the proposed Action involve a new point source discharge into a stream or change an existing point source discharge (e.g., outfalls; leachate ponds)?

No

18. Will the proposed Action include any activities that would alter stream flow, such as hydropower energy production, impoundments, intake structures, diversion structures, and/ or turbines?

No

- 19. Will the proposed Action involve dredging or in-stream gravel mining? No
- 20. Will the proposed Action involve resource extraction (e.g., mining, oil/gas, logging), including exploration activities?

No

21. Will the proposed Action involve stream impacts (perennial or intermittent) that would require an individual permit under 404 of the Clean Water Act? No

22. Will the proposed Action involve activities that would contribute measureable nonpoint source pollution to streams (e.g., sediment, nutrients, etc.)? See the following EPA webpage for more examples of nonpoint source pollution and activities that can produce it: https:// www.epa.gov/nps/basic-information-about-nonpoint-source-nps-pollution

No

Project code: 2024-0112234

23. [Hidden Semantic] Does the action area include the 1/2-mile buffer of a stream or river in

Automatically answered

No

- 24. Will the proposed Action disturb the channel or bank of a perennial or intermittent stream?
- 25. Will the proposed Action disturb the channel or bank of an ephemeral stream? *No*

which any species covered under this key occurs or may occur?

26. Will the proposed Action involve vegetation removal within 200 feet of a perennial stream bank?

No

27. Will the proposed Action involve excavation or grading, including for the construction or improvement of an access road?

Yes

28. Are all areas proposed for excavation or grading situated more than 200 feet from the banks of perennial and intermittent streams?

Yes

29. Are any areas proposed for excavation or grading located in or partly in a "special flood hazard area" as designated by FEMA? You can determine this by searching for your project area at the FEMA Flood Map Service Center (https://msc.fema.gov/portal/home. For technical assistance please contact the Field Office listed in the letterhead of your project's official species list.

No

30. Will the excavation or grading create new water bars or ditches that will channel stormwater into a stream?

No

31. Will the project proponent complete all excavation and grading activities and subsequent soil stabilization measures within 1 month?

Yes

32. [Hidden Semantic] Does the project area intersect the AOI of the clubshell (*Pleurobema clava*)?

Automatically answered

Yes

33. Based on the responses you have provided, we believe that the proposed Action is consistent with the type of Actions programmatically evaluated by the Service's Kentucky Field Office under the standing analyses that support this determination key. These Actions typically conclude with "no effect" or "may affect - not likely to adversely affect" determinations for the clubshell.

What determination do you want to make for the **clubshell**:

Note: IPaC will not provide a concurrence for "no effect" determinations, because there is no statutory requirement to request concurrence from the Service. IPaC will provide concurrence for "May affect – not likely to adversely affect" determinations. If you choose "May affect – likely to adversely affect" or "Unsure," additional coordination with the Service is recommended.

1. "No effect"

Project code: 2024-0112234

34. [Hidden Semantic] Does the project area intersect the AOI of the fanshell (*Cyprogenia stegaria*)?

Automatically answered

Yes

35. Based on the responses you have provided, we believe that the proposed Action is consistent with the type of Actions programmatically evaluated by the Service's Kentucky Field Office under the standing analyses that support this determination key. These Actions typically conclude with "no effect" or "may affect - not likely to adversely affect" determinations for the fanshell.

What is your effect determination for the **fanshell**:

Note: IPaC will not provide a concurrence for "no effect" determinations, because there is no statutory requirement to request concurrence from the Service. IPaC will provide concurrence for "May affect – not likely to adversely affect" determinations. If you choose "May affect – likely to adversely affect" or "Unsure," additional coordination with the Service is recommended.

- 1. "No effect"
- 36. [Hidden Semantic] Does the project area intersect the AOI of the northern riffleshell (*Epioblasma torulosa rangiana*)?

Automatically answered

Yes

37. Based on the responses you have provided, we believe that the proposed Action is consistent with the type of Actions programmatically evaluated by the Service's Kentucky Field Office under the standing analyses that support this determination key. These Actions typically conclude with "no effect" or "may affect - not likely to adversely affect" determinations for the northern riffleshell.

What is your effect determination for the **northern riffleshell**:

Note: IPaC will not provide a concurrence for "no effect" determinations, because there is no statutory requirement to request concurrence from the Service. IPaC will provide concurrence for "May affect – not likely to adversely affect" determinations. If you choose "May affect – likely to adversely affect" or "Unsure," additional coordination with the Service is recommended.

- 1. "No effect"
- 38. [Hidden Semantic] Does the project area intersect the AOI of the pink mucket (*Lampsilis abrupta*)?

Automatically answered Yes

39. Based on the responses you have provided, we believe that the proposed Action is consistent with the type of Actions programmatically evaluated by the Service's Kentucky Field Office under the standing analyses that support this determination key. These Actions typically conclude with "no effect" or "may affect - not likely to adversely affect"

What is your effect determination for the **pink mucket**:

determinations for the pink mucket.

Note: IPaC will not provide a concurrence for "no effect" determinations, because there is no statutory requirement to request concurrence from the Service. IPaC will provide concurrence for "May affect – not likely to adversely affect" determinations. If you choose "May affect – likely to adversely affect" or "Unsure," additional coordination with the Service is recommended.

1. "No effect"

07/05/2024 20:23:16 UTC

07/05/2024 20:23:16 UTC

IPAC USER CONTACT INFORMATION

Agency: **Private Entity** Name: Suzanne Arnzen

Address: 11450 Watterson Court

Address Line 2: Suite 200 City: Louisville

State: KY 40299 Zip:

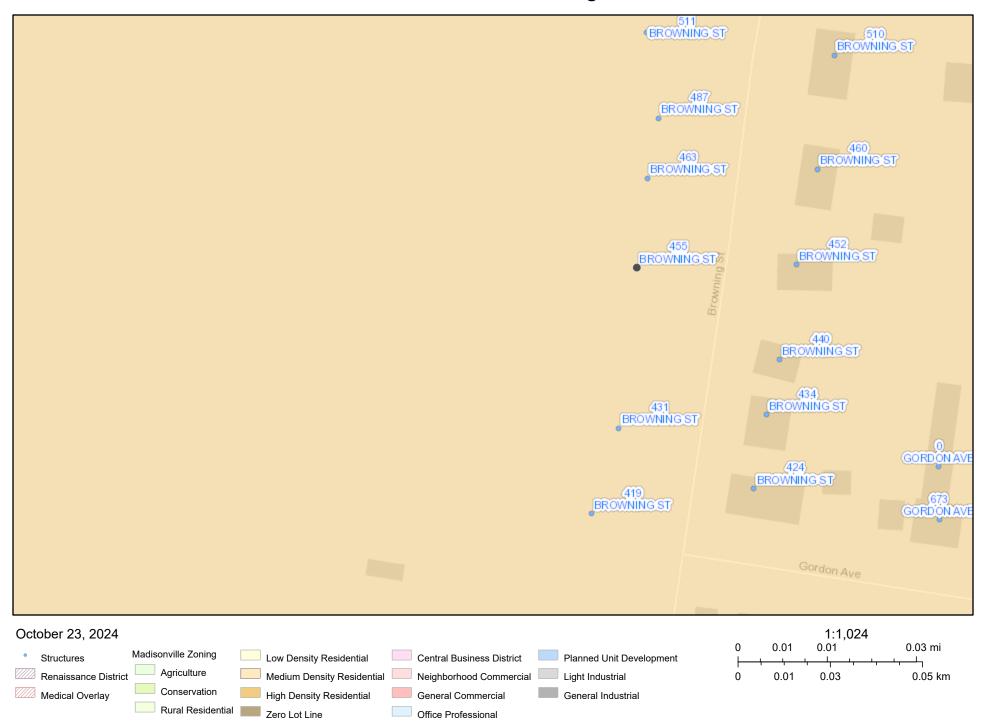
Email sarnzen@cmecenvironmental.com

Phone: 5024890850

LEAD AGENCY CONTACT INFORMATION

Lead Agency: Department of Housing and Urban Development

Madisonville Zoning



§ 156.025 MEDIUM-DENSITY RESIDENTIAL.

- (A) Uses permitted by right include:
- (1) Single-family and two-family dwellings for a maximum density of thirteen (13) dwelling units per acre;
 - (2) Educational facility; and
 - (3) Residential care facility.
- (B) Uses permitted by condition (conditional use permit required See §§ 156.050 et seq. for additional information regarding conditional uses) include:
 - (1) Bed and breakfast;
 - (2) Multi-family dwellings for a maximum density of thirteen (13) dwelling units per acre;
 - (3) Rooming/boarding house;
 - (4) Cemetery;
 - (5) Hospital, assisted living facility, nursing home, orphanage, rehabilitation home;
 - (6) Religious institution;
 - (7) Day care center;
 - (8) Public recreational facility including neighborhood playground; and
 - (9) Accessory dwelling unit.
 - (C) Other uses not expressly permitted by right or with conditions are prohibited.
 - (D) Permitted accessory uses and structures include:
 - (1) Uses in connection with residential dwellings;
 - (2) Private swimming pools and tennis courts associated with dwelling units; and
- (3) Private garages, carports, storage sheds and parking areas associated with above uses and/or dwelling units.
 - (E) Lot and building provisions.

Medium-Density Residential	Two-Family and Multi- Family Dwelling Units	All Other Uses
Medium-Density Residential	Two-Family and Multi- Family Dwelling Units	All Other Uses
Minimum lot size	6,000 square feet for the first unit + 3,000 square feet per additional unit*	6,000 square feet
Minimum lot width	imum lot width 50 feet	
Front yard setback	25 feet	25 feet
Side yard setback (per side)	10 feet	5 feet
Rear yard setback	15 feet	20 feet

Maximum building height	35 feet	35 feet
Minimum setback from internal structure	10 feet + additional 5 feet per story over 2	10 feet + additional 5 feet per story over 2

Notes: Accessory structures shall be a minimum of five (5) feet from all lot lines; all street frontages are considered front yard setbacks. *A maximum of thirteen (13) dwelling units per acre are permitted.

(F) Landscaping. All applicable landscaping provisions shall be observed.

(Ord. 2003-06, passed 3-3-03; Am. Ord. O-2022-5, passed 4-18-22)

ENCLOSURE R PHOTOLOG



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Photo Date: 07/08/2024





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Photo No:

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Photo Date: 07/08/2024





Photo No: 006





Photo No: 007

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Photo Date: 07/08/2024





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ENCLOSURE S DLG CLEARINGHOUSE LETTER



Andy Beshear Governor

OFFICE OF THE GOVERNOR DEPARTMENT FOR LOCAL GOVERNMENT

100 AIRPORT ROAD, THIRD FLOOR FRANKFORT, KENTUCKY 40601 PHONE (502) 573-2382 FAX (502) 227-8691 www.kydlgweb.ky.gov Dennis Keene Commissioner

February 29, 2024

Mr. Anthony Elmore Wabuck Development Company, Inc. 100 Wabuck Drive Leitchfield, KY 42754

RE: Harper Village

SAI# KY202401290120

CFDA# 14.239

Dear Mr. Elmore:

The Kentucky State e-Clearinghouse is the official designated Single Point of Contact (SPOC) for the Commonwealth pursuant to Presidential Executive Order 12372, and supported by Kentucky Statutes KRS 45.031. The primary function of the SPOC is to streamline the review aforementioned process for the applicant and the funding agency. This process helps in vocalizing the statutory and regulatory requirements. Information in the form of comments, if any, will be attached to this correspondence.

This proposal has been reviewed by the appropriate state agencies in the e-Clearinghouse for conflicts with state or local plans, goals and objectives. After receiving this letter, you should make it available to the funding agency and continue with the funding agencies application process. This e-Clearinghouse SPOC letter signifies only that the project has followed the state reviewing requirements, and is neither a commitment of funds from this agency or any other state or federal agency. Please remember if any federal reviews are required the applicant must follow through with those federal agencies.

The results of this review are valid for one year from the date of this letter. If the project is not submitted to the funding agency or not approved within one year after the completion of this review, the applicant can request an extension by email to Lee.Nalley@ky.gov. If the project changes in any way after the review, the applicant must reapply through the e-Clearinghouse for a new review. There are no exceptions.

If you have any questions regarding this letter or the review process please contact the e-Clearinghouse office at 502-892-3462.

Sincerely,

Lee Nalley, SPOC

Kentucky State Clearinghouse

Attachment



Department for Environmental Protection

Louanna Aldridge

This review was based upon the information that was provided by the applicant through the Clearinghouse for this project. An endorsement of this project does not satisfy, or imply, the acceptance or issuance of any permits, certifications, or approvals that may be required from this agency under Kentucky Revised Statutes or Kentucky Administrative Regulations. Such endorsement means this agency has found no major concerns from the review of the proposed project as presented other than those stated as conditions or comments.

401 KAR 63:010, Fugitive Emissions, states that no person shall cause, suffer, or allow any material to be handled, processed, transported, or stored without taking reasonable precaution to prevent particulate matter from becoming airborne. Additional requirements include the covering of open bodied trucks, operating outside the work area transporting materials likely to become airborne, and that no one shall allow earth or other material being transported by truck or earth-moving equipment to be deposited onto a paved street or roadway. Please note the Fugitive Emissions Fact Sheet located at http://air.ky.gov/SiteCollectionDocuments/Fugitive%20Dust%20Sheet.pdf

401 KAR 63:005 states that open burning shall be prohibited except as specifically provided. Open Burning is defined as the burning of any matter in such a manner that the products of combustion resulting from the burning are emitted directly into the outdoor atmosphere without passing through a stack or chimney. However, open burning may be utilized for the expressed purposes listed on the Open Burning Brochure located at http://air.ky.gov/Pages/OpenBurning.aspx

All solid waste generated by this project must be disposed at a permitted facility. If underground storage tanks are encountered they must be properly addressed. If asbestos, lead paint, and/or other contaminants are encountered during this project, they must be properly addressed.

Constructions located in floodplains require Division of Water (DOW) prior approval. If the construction area disturbed is 1 acre or more, the applicant will need to apply for a Kentucky Pollutant Discharge Elimination System storm water discharge permit.

Utility line projects that cross a stream will require a Section 404 permit from the US Army Corps of Engineers and a 401 Water Quality Certification from DOW.

Best Management Practices (BMPs) should be utilized to control storm water runoff and sediment damage to water quality and aquatic habitat. For technical assistance on the kinds of BMPs most appropriate for housing and related construction, please contact the local Soil and Water Conservation District or the Division of Conservation.

WATER SUPPLY - If an existing water server is to be utilized for new water tap-ons (rehabilitations, new constructions), ascertain the capacity and operating condition of the originating water treatment plant and of the server (if different) in comparison to the water needs of the proposed housing. DOW cannot permit connections to water servers under tap-on bans, Agreed Orders, or Court Orders. DOW may not give approval to connections to water systems operating near, at, or over capacity. If a new water source is to be utilized, ascertain the source's (stream's or well's) low flow ability to serve the proposed housing. Prior approval from DOW is required for water withdrawals of over 10,000 gallons per day and for all public drinking water. Final plans and specifications are subject to review by DOW.

WASTEWATER TREATMENT - If an existing wastewater server is to be utilized for new wastewater tap-ons (rehabilitations, new construction), ascertain the capacity and operating conditions of the receiving wastewater treatment facility (wastewater treatment plant or package sewage treatment plant) and of the server (if different) in comparison to the wastewater needs of the proposed housing. DOW cannot permit connections to wastewater servers under tap-on bans, Agreed Orders, or Court Orders. DOW may not give approval to connections to

wastewater systems at or over hydraulic capacity. If a new wastewater treatment, facility is to be utilized, ascertain the discharge stream's ability to absorb the proposed housing's treated wastewater.

DOW notes the requirements of onsite sewage disposal statutes, KRS 211.350 to 211.380, and administrative regulations, 902 KAR 10:060 to 10:110, must be met. DOW requests provisions be made for future connections to a wastewater treatment system. A Groundwater Protection Plan, as required by 401 KAR 5:037, needs to be prepared by all onsite wastewater system owners. Contact the DOW regarding requirements.

Prior approval from DOW is required for all discharges into streams and for all wastewater treatment facilities. DOW reminds the applicant to seal abandoned wastewater service connections.

Your project might have the potential of impacting federally or state listed species and natural communities. Go to the Kentucky Biological Assessment Tool (kynaturepreserves.org) to obtain a Standard Occurrence Report for information regarding listed species known within your project area. The report will also provide information on public and private conservation lands, areas of biodiversity significance, and other natural resources in your project area for which the Office of Kentucky Nature Preserves maintains data.

Department of Housing Buildings and Construction

Don Newberry

The Department of Housing Buildings and Construction, Division of Building Code Enforcement, has no comments concerning this proposed project. A building permit from the Local Jurisdiction will be required, prior to construction.

Kentucky Department of Fish & Wildlife

Emily Lawson

The following recommendations are provided as general guidance for development of private and grant-funded projects submitted to the Kentucky Dept. of Fish & Wildlife Resources for review. In general, impacts to fish and wildlife resources might be avoided and minimized by following the guidance provided below:

- Wetlands, Waterways, and Floodplains: The KDFWR requests that you coordinate the proposed project with the U. S. Army Corps of Engineers (USACE) and the Kentucky Division of Water (KDOW) prior to any work within the waterways or wetland habitats of Kentucky (including encroachment and/or fill in floodplains and waterways). KDFWR recommends minimizing stream encroachment and maintaining forested riparian buffers around stream banks. Forested riparian zones along streams provide numerous functions beneficial to fish, wildlife, and water quality. Forested riparian zones reduces erosion and siltation, one of Kentucky's leading causes of impairment in streams. Trees reinforce stream banks, slow runoff helping reduce flood peaks, and help to improve water quality. Trees provide important habitat along streams and serve as travel corridors for wildlife.
- Preventing fishkills: Avoid using wet concrete near waterways. Please refer to the KY Division of Water for recommended best management practices regarding concrete use near streams. Uncured (wet) concrete released into streams and waterways causes significant fish kills. If concrete is required, prevent its release into streams by using pre-formed concrete structures or separating work areas from stream water by coffer dam or other method. Construction water that contains concrete slurry should not be released into streams. It can be pumped into a containment in an upland area away from stream water to safely dispose of it or it can be aspirated with carbon dioxide to make it non-toxic.
- Erosion control to minimize impacts to the aquatic environment: KDFWR recommends that erosion control measures be developed and implemented prior to construction to reduce siltation into waterways located within/near the project area. Such erosion control measures may include, but are not limited to silt fences, staked straw bales, brush barriers, sediment basins, and diversion ditches. Erosion control measures will need to be

inspected regularly and repaired as needed. If blanket-style matting is used for erosion control, please avoid using the nylon monofilament netting as it can entangle and kill wildlife. An alternative blanket style control is organic coir matting, which degrades naturally and provides excellent soil protection and moisture retention for seed germination—as well as controlling erosion runoff without unnecessarily impacting wildlife.

- USFWS Coordination for compliance with the Endangered Species Act: Please coordinate with the US Fish and Wildlife Service for compliance with the Endangered Species Act and specific recommendations to minimize adverse effects to listed species, if the project is federally funded or near known occurrences of listed species. Limit tree clearing where possible. If clearing is unavoidable, please limit clearing to trees less than 3" diameter and do the cutting between November and March. This will minimize impacts to many species of bats, several of which are listed as threatened or endangered on the federal Endangered Species Act.
- Reducing hazards to migratory and songbirds: Kentucky is in the range of numerous migratory birds including songbirds and provides important habitat. Telecommunications towers and associated aerial utilities can have a significant impact to birds that is disproportionate to the small footprint of such projects. Birds are killed when they collide (strike) with these structures and associated wires. It is not well understood why this mortality occurs, but evidence suggests that night-migrating songbirds may be attracted to or disoriented by tower warning lighting systems. Bird strikes may be reduced with avoidance measures such as marking guide wires, using blinking lights instead of constant (nonintermittent) lighting, and running wires underground where possible. Please refer to the helpful guide prepared by the US Fish and Wildlife Service-Migratory Bird Program (usfws-communication-tower-guidance.pdf).

Kentucky Transportation Cabinet, District 2

Nick Hall

Browning Street is not a State route, but the property appears to possibly border KY 1178 as well. If there will be any impacts to KY 1178, please read comments below:

The Kentucky Department of Highways is responsible for controlling both public and private usage of right-of-way of the State road system. Any firm, individual, or governmental agency desiring access to a State road or desiring to perform any type of work (including signage) on State right-of-way must obtain a permit from the Department.

To obtain the necessary permits and/or discuss the details of this project, please contact our District Office in Madisonville at the following address/number:

Mr. Tate Byrum P.E., TEBM for Engineering Support Kentucky Department of Highways 1840 North Main Street Madisonville, Kentucky 42431 Telephone (270) 824-7080 Fax (270) 824-7091

This review was based upon the information that was provided by the applicant through the Clearinghouse for this project. An endorsement of this project does not satisfy, or imply, the acceptance or issuance of any permits, certifications or approvals that may be required from this agency. Such endorsement means this agency has found no major concerns from the review of the proposed project as presented, other than those stated as conditions or comments.

KY Heritage Council

Yvonne Sherrick

To receive a review from the KY Heritage Council/State Historical Preservation Office (SHPO) you must follow the instructions located on their website at https://heritage.ky.gov/compliance/Pages/overview.aspx. There you will find the required documents for the Section 106 Review and Compliance for 36 CFR Part 800. This Section 106 submission process to SHPO will assist applicants and agencies in providing the appropriate level of information to receive comments from SHPO. If you have any questions please contact Yvonne Sherrick, via email at yvonne.sherrick@ky.gov.

Please note: If your project is funded through Transportation Alternative (TAP), Transportation Enhancements (TE), Congestion, Mitigation, Air Quality (CMAQ), or Safe Routes to School (SRTS) you will need to send this information to Michael Jones, Historic Preservation Program Administrator with the Kentucky Transportation Cabinet via email to Michael R.Jones2@ky.gov or hard copy to Michael Jones, Office of Local Programs, KY Transportation Cabinet, 200 Mero Street Frankfort, KY 40622. Do not send materials directly to SHPO if your project involves funding from these four sources as it will cause delays in the review process. Michael Jones will consult directly with the SHPO on projects with these funding sources to complete the Section 106 review.

Purchase Area Development District

Mattea Mitchell

The review was based upon the information that was provided by the applicant through the clearinghouse for this project. The project does not appear to conflict with the mission and goals of the Purchase Area Development District.