

Pittsburgh District

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Public Notice Date: October 8, 2024 Expiration Date: October 22, 2024

#### **NOTICE OF AVAILABILITY**

#### **Draft Environmental Assessment**

Paden City Sanitary Sewer System Improvements – Wetzel County, West Virginia

The U.S. Army Corps of Engineers, Pittsburgh District (USACE) is evaluating a request for Federal funding for proposed upgrades to the sanitary sewer system located in the city of Paden City, Wetzel County, West Virginia.

The USACE invites submission of comments on the environmental impact of the approval of the request. The USACE will consider all submissions received before the expiration date of the public comment period. The nature or scope of the proposal may be changed upon consideration of the comments received.

The draft Environmental Assessment and draft Finding of No Significant Impact are available electronically at:

https://www.lrd.usace.army.mil/Mission/Public-Review-Approved-Plans/

Comments can be submitted to the address posted at the top of this notice or to Madison.Duke@usace.army.mil. Comments must be received by October 16, 2024 to ensure consideration.

#### FINDING OF NO SIGNIFICANT IMPACT

# Section 219 Paden City Sanitary Sewer System Improvements Wetzel County, West Virginia

The U.S. Army Corps of Engineers, Pittsburgh District (Corps) is presenting an environmental analysis in accordance with the National Environmental Policy Act of 1969 (NEPA), as amended. The Environmental Assessment (EA), dated August 2024, for the Section 219 Project in Paden City in Wetzel County, West Virginia evaluates potential environmental impacts associated with Paden City's sanitary sewer system improvements. The Water Resources Development Act (WRDA) of 1999 (Public Law 102-580), Section 219 allows the Corps to consider reimbursement for design and/or construction of environmental infrastructure in West Virginia.

The Draft EA, incorporated herein by reference, evaluated alternatives to improve the sanitary sewer system in Paden City. The preferred alternative, ultimately the Proposed Action, consists of several improvements to the city's wastewater treatment plant and sanitary sewer system that will make this system more effective. Further details are provided in the Draft Environmental Assessment for the Section 219, Paden City Sanitary Sewer Improvements Project.

In addition to the preferred alternative, a "no action" alternative was evaluated. For both alternatives, the potential effects to the following resources were evaluated:

**Table 1: Summary of Potential Effects** 

	No Action Alternative		Preferred Alternative	
	Minor Effect	No Effect	Minor Effect	No Effect
Land Use		$\boxtimes$		$\boxtimes$
Climate	$\boxtimes$		$\boxtimes$	
Terrestrial Habitat		$\boxtimes$	$\boxtimes$	
Vegetation		$\boxtimes$	$\boxtimes$	
Prime and Unique Farmland		$\boxtimes$		$\boxtimes$
Soils		$\boxtimes$		$\boxtimes$
Aquatic Habitat/Water Quality		$\boxtimes$		$\boxtimes$
Wetlands		$\boxtimes$		$\boxtimes$
Wild and Scenic Rivers		$\boxtimes$		$\boxtimes$
Hazardous, Toxic, and Radioactive Wastes		$\boxtimes$		$\boxtimes$
Cultural Resources		$\boxtimes$		$\boxtimes$
Tribal Trust Resources		$\boxtimes$		$\boxtimes$
Threatened and Endangered Species		$\boxtimes$		$\boxtimes$
Air Quality		$\boxtimes$	⊠ (short term)	
Noise		$\boxtimes$	⊠ (short term)	
Socioeconomics/Environmental Justice		$\boxtimes$	⊠ (beneficial)	

Aesthetic Resources		$\boxtimes$	$\boxtimes$	
Health and Safety	$\boxtimes$		⊠ (beneficial)	
Transportation and Traffic		$\boxtimes$	⊠ (short term)	
Public Infrastructure	$\boxtimes$		⊠ (beneficial)	
Floodplains		$\boxtimes$	$\boxtimes$	
Recreational Resources		$\boxtimes$		$\boxtimes$

Since the preferred alternative will not discharge dredge or fill material into any Waters of the United States (WOTUS), a permit under section 404 of the Clean Water Act (CWA) (33 USC § 1344) and Water Quality Certification from the state in accordance with Section 401 of the CWA (33 USC § 1341) will not be necessary. A National Pollutant Discharge Elimination System (NPDES) permit under Section 402 of the CWA will be obtained prior to construction activities. Erosion and sediment control best management practices will be used during construction activities.

Pursuant to Section 7 of the Endangered Species Act (ESA) of 1973, as amended, the U.S. Army Corps of Engineers determined that the portion of the Proposed Federal Action analyzed within this Environmental Assessment will have no effect on listed species or their designated critical habitat. The proposed project is within the range of the northern long-eared (Myotis septentrionalis), the Indiana bat (Myotis sodalis), the tricolored bat (Perimyotis subflavus), the Clubshell (Pleurobema clava), the Fanshell (Cyprogenia stegaria), the pink mucket (Lampsilis abrupta), the sheepnose mussel (Plethobasus cyphyus), and the snuffbox mussel (Epioblasma triquetra). No tree cutting or removal or in-water work will occur, so the proposed alteration will not impact the bat or mussel species.

Pursuant to Section 106 of the National Historic Preservation Act of 1966, as amended, the Thrasher Group determined that no historic properties will be affected (i.e., no effect) by the Proposed Federal Action, as specified in 36 CFR § 800.4(d)(1). Consultation with the WV State Historic Preservation Office (SHPO) was initiated on July 1, 2021. In a response dated July 14, 2021 the WV SHPO provided a no adverse effect determination.

A 15-day public notice period for the proposed Section 219 Project was initiated on October 8, 2024. Comments will be addressed after the public notice period is completed.

After having carefully evaluated all aspects of the Proposed Federal Action and based on the EA, I have reasonably concluded that the Proposed Federal Action does not constitute a major federal action significantly affecting the quality of the human environment. Therefore, an environmental impact statement is not required and will not be prepared.

Date	NICHOLAS O. MELIN	_
	COLONEL, Corps of Engineers	
	District Commander	



# **Environmental Assessment**

FOR THE

# The City of Paden City Tyler and Wetzel Counties, West Virginia

## **Proposed**

Paden City Sanitary Sewer System Improvements Project- Phase II

NEPA ID: EAXX-202-00-H4P-1727965710

#### **PREPARED BY:**

The Thrasher Group, Inc. 1000 Corporate Landing Charleston, WV 25311

August 2024

# **Environmental Assessment Section 219**

# Paden City Sanitary Sewer System Improvements Project- Phase II Tyler and Wetzel Counties, West Virginia

#### **Executive Summary**

The City of Paden City provides sanitary sewer service to Paden City and surrounding areas in Tyler and Wetzel Counties, West Virginia. Paden City's wastewater treatment plant (WWTP) was last updated in 2018, adding a new screening and grit removal system to the plant. A previous upgrade was completed in 1986, which added most of the current features of the plant. Most of the equipment at the WWTP is original to 1986 and has not been upgraded since. All residences and businesses within the City of Paden currently utilize the current system that poses public health and safety and environmental issues.

The Proposed Action will consist of WWTP upgrades that include the installation of a new mechanical dewatering system, installation of new blowers to provide aeration to the oxidation ditch and sludge holding tank, and upgrades to the sludge holding tank. A new building to house all the necessary sludge dewatering equipment and keep it above 100-year flood levels will be constructed as part of this Proposed Action.

The entirety of the Proposed Action will be within the current WWTP footprint in previously disturbed areas.

The proposed Sanitary Sewer System Improvements- Phase II Project involves a partnership agreement between Paden City and the United States Army Corps of Engineers, established under the authority of Section 219 of the Water Resources Development Act of 1992. This is a program for providing environmental assistance to non-Federal interests in northern West Virginia. This Environmental Assessment is prepared pursuant to the National Environmental Policy Act, Council on Environmental Quality Regulations (40 CFR 1500-1508), and the United States Army Corps of Engineers implementing regulation, ER 200-2-2.

The Draft Environmental Assessment has concluded that there are no significant impacts to the human environment associated with the implementation of the Proposed Action. A Finding of No Significant Impact from the United States Army Corps of Engineers is anticipated for the Proposed Action.

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#### I. PROJECT DESCRIPTION

#### A. Project Background

Paden City is located in Tyler and Wetzel Counties, West Virginia (WV) and serves approximately 1,180 sewer customers in its existing service area. The purpose of the Draft Environmental Assessment (DEA) is for public comment and to analyze the potential environmental impacts of the Proposed Action to assist the lead Federal agency in determining whether to issue a Finding of No Significant Impact (FONSI), Finding of No Practicable Alternative, or an Environmental Impact Statement.

#### B. Purpose, Need, and Authorization

The purpose of the proposed Sanitary Sewer Improvements-Phase II Project (Proposed Action) is to upgrade Paden City's existing facility to a more cost-effective system and meet the area's sanitary sewer needs. Paden City's WWTP was substantially upgraded in 1986 adding most of the current features of the plant. Recent upgrades include: a new headworks and associated building completed in 2017 and the chlorine dosing system that was converted from tablet to gas dosing in 2021. With the exception of the above upgrades, the majority of the equipment at the plant is original to 1986. The WWTP utilizes sludge drying beds for dewatering of solids produced in the treatment process. The drying beds have become ineffective due to age, sometimes requiring months to dry sludge, frequently necessitating early disposal of sludge that is not yet dry leading to a higher disposal cost. Additionally, the drying beds are below the 25-year floodplain and located in a depression on the site such that poor drying qualities will be inherent until upgrades are undertaken. Another area of the WWTP that requires upgrades is the aeration system. The existing blowers, installed circa 1986, provide air for both the oxidation ditch and the sludge holding tank/digester and are currently unable to provide enough air to supply both effectively. The lack of a modern sanitary sewer treatment system has been a hinderance on economic development in the area as potential businesses and companies are more likely to move to an area where sanitary sewer service is readily available with the potential for increased capacity.

The Proposed Action is a partnership agreement between Paden City and the United States Army Corps of Engineers (USACE) established under Section 219 of the Water Resources Development Act of 1992 (Public Law No. 102-580), which provides authority for USACE to establish a program to provide assistance to non-Federal interests for carrying out water-related environmental infrastructure and resource protection projects. Section 219(f) states that the Secretary may provide assistance for design and construction in addition to the assistance provided under Section 219(a). Section 5158 of WRDA 2007 further amends Section 219 of WRDA 1992, as amended. Section 219(f)(272) specifies that Northern West Virginia, specifically Tyler and Wetzel Counties, is authorized for water and wastewater-related infrastructure.

This DEA is prepared pursuant to the National Environmental Policy Act (NEPA), Council on Environmental Quality (CEQ) Regulations (40 CFR 1500-1517), and USACE implementing Engineer Regulation, ER 200-2-2.

#### II. PROPOSED ACTION AND ALTERNATIVES TO THE PROPOSED ACTION

# A. Proposed Action –Sanitary Sewer Improvements- Phase II Project – Improve the Sanitary Sewer Treatment System

This Proposed Action is the Project that is designed to upgrade the existing WWTP to improve sanitary sewer service to Paden City and surrounding areas. The Proposed Action will construct a sludge dewatering building with a sludge belt filter press (BFP) and upgrade the existing aeration system.

Under the Proposed Action, two of the existing sludge drying beds will be demolished. The sludge dewatering building will be constructed including the installation of the BFP, waste activated sludge (WAS) pump, WAS piping from the sludge holding tank to the BFP, and additional diffusers in the sludge holding tank. The existing air feed piping to the sludge holding tank will be removed and replaced. Selective demolition within the existing blower building will occur and the existing blowers will be replaced with adequately sized equipment.

#### **B. No Action Alternative**

Under the No Action Alternative, the Proposed Action will not be constructed. The status of the area will remain the same and households and businesses will continue to rely on the current outdated WWTP. This was considered unacceptable due to potential health hazards and the communities' desire for a more updated, cost-effective means of wastewater treatment with the option of additional capacity.

#### III. ENVIRONMENTAL SETTINGS AND CONSEQUENCES

#### A. Location

The Proposed Action is centered around the community of Paden City located in the Paden City United States Geological Survey (USGS) 7.5-minute quadrangle of Tyler and Wetzel Counties, WV. The WWTP is located at 0 West Main Street in Paden City, WV. See the USGS and Aerial Site Location Maps in Appendix A.

#### B. Land Use

#### i. Existing Conditions

Land use within the Proposed Action area includes the current municipal WWTP and the limit of disturbance (LOD). The LOD is outlined in red on the USGS Site Location Map in Appendix A. The Proposed Action is also referred to as the area of interest (AOI) which is outlined in yellow on the USGS Site Location Map in Appendix A.

#### ii. Proposed Action

No land use changes will occur as part of the Proposed Action. See the National Land Cover Database (NLCD) Landcover Map in Appendix A.

#### iii. No Action Alternative

No land use changes will occur as a part of the No Action Alternative.

#### C. Physiography

The Proposed Action area is in the western side of the Appalachian Plateau physiographic province which consists of relatively flat rock formations with several distinct folds and faults (<a href="https://www.wvgs.wvnet.edu/www/maps/pprovinces.htm">https://www.wvgs.wvnet.edu/www/maps/pprovinces.htm</a>). The Proposed Action area is characterized by a river valley and is located along the Ohio River. There will be no impacts to the physiography of the area as part of the Proposed Action.

No physiographic changes will occur as a part of the No Action Alternative.

#### D. Habitat and Vegetation

#### i. Existing Conditions

Habitat and vegetation within the Proposed Action area consists of actively maintained lawn areas, previously disturbed areas.

#### ii. Proposed Action

The areas surrounding the WWTP will be graveled and will represent a minor impact to vegetation; however, these areas are located in previously disturbed and regularly maintained lawn areas.

#### iii. No Action Alternative

No impacts to habitat or vegetation will occur as part of the No Action Alternative.

#### E. Floodplains

#### i. Existing Conditions

A review of the Federal Emergency Management Agency Flood Insurance Rate Map (FIRM) Panel of the Proposed Action area (FIRM 54103C0131C) using the WV Flood tool found at <u>WV Flood Tool (mapwv.gov)</u>. The WV Flood Tool indicated that the entirety of the Proposed Action is located within the 100-year floodplain of the Ohio River.

#### ii. Proposed Action

The current configuration of the WWTP includes components located within the 100-year floodplain. The Proposed Action will result in all electrical components to be evelvated above the 100-year floodplain. Therefore, it is anticipated that there will be minor and temporary impacts to the 100-year floodplain of the Ohio River as part of the Proposed Action due to the work being completed to raise the above the floodplain. A floodplain permit was issued by Paden City for the Proposed Action on March 14, 2023. A copy of the permit is included in Appendix B. See the 100-Year Floodplain Map in Appendix A.

#### iii. No Action Alternative

No impacts to a 100-year floodplain will occur as a part of the No Action Alternative.

#### F. Soils

#### i. Existing Conditions

There are no soil units that are considered to be either prime farmland or farmland of state or local importance within the Proposed Action area.

#### ii. Proposed Action

There are no impacts to prime farmland or farmland of statewide or local importance will occur as a result of the Proposed Action. See the NRCS Soil Types Map in Appendix A.

#### iii. No Action Alternative

No impacts to prime farmland or farmland of statewide or local importance will occur as a part of the No Action Alternative.

#### **G.** Aquatic Habitat/Water Quality

#### i. Existing Conditions

No aquatic features were identified with in the area of interest (AOI) of the Proposed Action during desktop reviews or field investigations.

#### ii. Proposed Action

There are no anticipated impacts to aquatic habitat or water quality as a result of the Proposed Action. See the Water Resources Map in Appendix A.

Best Management Practices (BMPs) to be used during construction will include, but are not limited to, compost filter sock, silt fence and super silt fence, and rolled erosion control products. As the Proposed Action is still in a preliminary design phase, an exact erosion and sediment control plan (ESCP) has not been developed. All work that will be conducted will adhere to all applicable local, state, and Federal rules and regulations in addition to the BMPs which will be utilized to protect nearby aquatic features. No increase of water turbidity is expected with the Proposed Action. See the Wetland Delineation and Stream Identification Report in Appendix C.

#### iii. No Action Alternative

No impacts will occur to water quality or aquatic habitats as part of the No Action Alternative.

#### H. Wetlands

#### i. Existing Conditions

A review of the National Wetlands Inventory indicated there are no wetlands within the Proposed Action area. An onsite wetland and stream delineation of the Proposed Action area identified no wetlands within or near the Proposed Action Area.

#### ii. Proposed Action

There are no anticipated impacts to wetlands as a result of the Proposed Action. See the Water Resources Map in Appendix A

While the Proposed Action will not result in impacts to any wetlands during construction, all activities will adhere to all applicable local, state, and Federal rules and regulations in addition to the BMPs which will be utilized to protect nearby aquatic features. See the Wetland Delineation and Stream Identification Report in Appendix C.

#### iii. No Action Alternative

No impacts to wetlands will occur as a part of the No Action Alternative.

#### I. Wild and Scenic Rivers

#### i. Existing Conditions

There are no designated Wild and Scenic Rivers located within or near the vicinity of the Proposed Action area.

#### ii. Proposed Action

There are no anticipated impacts to any Wild or Scenic Rivers as part of the Proposed Action.

#### iii. No Action Alternative

No impacts to Wild and Scenic Rivers will occur as a part of the No Action Alternative.

#### J. Hazardous, Toxic, and Radioactive Wastes

#### i. Existing Conditions

A Phase I Environmental Site Assessment (ESA) for the Proposed Action area was performed in order to identify environmental conditions and to identify the potential presence of hazardous, toxic, and radioactive waste (HTRW) located within the Proposed Action area. The Phase I ESA identified one recognized environmental condition (REC) at the Proposed Action area. The REC identified ammonia discharges to exceed limits per the WWTP NPDES permit. No other recognized environmental conditions or risks were identified.

#### ii. Proposed Action

There are no anticipated impacts regarding HTRWs as part of the Proposed Action. The Phase 1 ESA has been submitted to USACE for review and has been revised twice. See the Final Revision Two - Phase I ESA in Appendix E.

#### iii. No Action Alternative

No impacts regarding HTRWs will occur as part of the No Action Alternative.

#### K. Cultural Resources

#### i. Existing Conditions

A review of the WV State Historic Preservation Office (SHPO) online map viewer indicated no National Register of Historic Places (NRHP) listed sites or sites eligible for listing on the NRHP in the area of the Proposed Action. A Project review request letter was submitted to the WV SHPO requesting to be advised of potential impacts to archaeological or architectural resources within the Proposed Action area. The WV SHPO stated in a response letter that the Proposed Action will affect no architectural properties or archaeological resources and no further consultation is necessary regarding architectural or archaeological resources. A Phase 1 Archaeological survey was completed on the Project area as agreed upon in the letter report between USACE and Paden City. The resulting technical report is enclosed in Appendix D. Please see the WV SHPO Map in Appendix A and the WV SHPO correspondence letters in Appendix B.

#### ii. Proposed Action

There are no anticipated impacts to cultural resources as part of the Proposed Action.

#### iii. No Action Alternative

No impacts to cultural resources will occur as part of the No Action Alternative.

#### L. Threatened and Endangered Species

#### i. Existing Conditions

The United States Fish and Wildlife Service (USFWS) Information for Planning and Consultation (IPaC) software was reviewed for potential rare, threatened, and endangered (RTE) species and/or habitat within the Proposed Action area. The IPaC listed eight RTE species that should be considered as part of an effects analysis for the Proposed Action including the Indiana bat (*Myotis sodalis*), northern long-eared bat (*Myotis septentrionalis*), tricolored bat (*Perimyotis subflavus*), clubshell (*Pleurobema clava*), fanshell (*Cyprogenia stegaria*), pink mucket (*Lampsilis abrupta*), sheepnose mussel (*Plethobasus cyphyus*), and snuffbox mussel (*Epioblasma triquetra*).

#### ii. Proposed Action

The review indicated that the Proposed Action is located outside of any critical habitat for the listed species.

A Project review request was submitted to the USFWS and the WV DNR requesting to be advised of any potential impacts to RTE species or habitat. The WV DNR, in a response letter, stated that there are no known records of any RTE species at the Proposed Action site. The Proposed Action will have no effect on threatened or endangered species, or their critical habitat. Copies of the agency correspondence letters are enclosed in Appendix B.

#### iii. No Action Alternative

No RTE species will be impacted by the No Action Alternative.

#### M. Air Quality

#### i. Existing Conditions

According to the United States Environmental Protection Agency (USEPA) EnviroMapper, Tyler and Wetzel Counties, WV are in attainment for all criteria air pollutants.

#### ii. Proposed Action

Minor, short-term emissions may occur during construction due to construction equipment used for the WWTP upgrades. Contactors will operate all equipment and machinery in accordance with local, state, and Federal regulations. Water spraying will be utilized during construction to control dust. The Proposed Action is exempt by 40 CFR Part 93.153 from making a conformity determination, as estimated emissions from construction equipment will not be expected to exceed de Minimis levels, direct emissions of a criteria pollutant, or its precursors. Any impacts will be short-term, localized, and will only occur during construction phase activities. Impacts to air quality as part of the Proposed Action will be temporary and minimal during construction.

#### iii. No Action Alternative

No impacts to air quality will occur as part of the No Action Alternative.

#### N. Noise

#### i. Existing Conditions

Paden City does not have an established noise ordinance in relation to construction activities.

#### ii. Proposed Action

Some noise will be generated during the construction phase of the Proposed Action by construction and transportation equipment. These sources of noise will be periodic in nature and will not likely result in a significant increase over existing ambient conditions. In order to minimize nuisance issues to nearby residences or businesses from the construction-related noise, construction activities will be limited to daylight hours and weekdays. After construction, the WWTP will generate some noise during operation, however it is not expected to affect the overall noise levels of the area. Therefore, any potential impacts to noise as part of the Proposed Action will be temporary or minimal.

#### iii. No Action Alternative

No impacts to noise will occur as part of the No Action Alternative.

#### O. Socioeconomic Conditions

#### i. Existing Conditions

According to the United States Census Bureau 2017-2021 American Community Survey 5-Year Estimates, Paden City had a total population of 2,459 with a mean annual household income of \$60,138. Of the 1,091 active participants in the labor force, 3.1% were unemployed with 47.2% of the population over 16 years of age not actively pursuing employment. Educational services/health care, transportation/utilities, and manufacturing were the top employment sectors in the area with public administration as the next highest sector.

According to the USEPA's Environmental Justice Screening and Mapping Tool, 38% of the population of Paden City area is considered low income with 11% having less than a high school education. Three percent minority populations were listed within one mile of the Proposed Action area.

#### ii. Proposed Action

As the Proposed Action will occur within the existing WWTP boundary, no homes or residences will be impacted by the Proposed Action. Therefore, the Proposed Action meets the directive of Executive Order 12898 by avoiding any disproportionately high adverse human health or environmental effects on minority or low-income populations. Paden City is a disadvantaged community that will gain long-term benefits by having access to safe water and cost-effective service as a result of the Proposed Action.

The Mid-Ohio Valley Regional Council (Region 5 Planning and Development Council) in a response letter stated that the Council has reviewed the Proposed Action and that it appears to be consistent with local and regional plans and objectives. A copy of the letter is enclosed in Appendix B.

#### iii. No Action Alternative

No impacts to minority or low-income populations are anticipated to occur from the No Action Alternative.

#### P. Aesthetics

#### i. Existing Conditions

The WWTP is still standing and in use.

#### ii. Proposed Action

The Proposed Action will occur entirely in previously disturbed areas within the existing footprint of the current WWTP. The WWTP will include new above-ground features and may represent a minor aesthetical change. However, the WWTP is located near several large industrial facilities to the east and other businesses across the railroad tracks. The railroad tracks run southwest to northeast near the Proposed Action area. There are no anticipated significant aesthetic impacts that will degrade the character of Paden City as part of the Proposed Action. See the Recreation Map in Appendix A.

#### iii. No Action Alternative

There are no aesthetic impacts as part of the No Action Alternative.

#### Q. Transportation and Traffic

#### i. Existing Conditions

The only road that provides access to the Proposed Action area is West Main Street in Paden City. There are no public roadways within the Proposed Action area.

#### ii. Proposed Action

Temporary minimal impacts to traffic could occur during the construction of the upgrades at the WWTP Necessary traffic controls will be utilized during construction and contractors will adhere to WV DOH guidelines. Therefore, any impacts to traffic anticipated to occur as part of the Proposed Action will be minimal and temporary. See the Transportation Map in Appendix A.

#### iii. No Action Alternative

No impacts to transportation and traffic will occur as part of the No Action Alternative.

#### R. Health and Safety

#### i. Existing Conditions

The Proposed Action area has an exceedance of ammonia per their NPDES permit associated with the WWTP and does not have a filter system on the existing sludge beds. This poses health and safety risks to sanitary sewer and water customers.

#### ii. Proposed Action

The Proposed Action has been designed to improve the wastewater treatment process in Paden City and surrounding areas, thereby minimizing public health and safety and environmental hazardous associated with the current outdated WWTP. Providing a reliable and centralized sanitary sewer treatment facility is necessary to address potential health and safety problems. The Proposed Action will provide an overall health benefit to the serviced communities by improving the existing treatment facility. Therefore, the Proposed Action is anticipated to have long-term benefits to public health and safety by upgrading and replacing the failing WWTP

equipment. As a result, the WWTP upgrades will improve recreational, and drinking water quality for the Paden City community.

#### iii. No Action Alternative

Under the No Action Alternative, current sanitary sewer system use in the area will continue, perpetuating health and safety concerns.

#### IV. CUMULATIVE EFFECTS

USACE must consider the cumulative effects of the Proposed Action on the environment as stipulated in the NEPA. Cumulative effects are "the impact on the environment which results from the incremental impact of the action when added to other past, present, and reasonably foreseeable future actions regardless of what agency (Federal or Non-Federal) or person undertakes such actions". Cumulative impacts can result from individually minor, but collectively significant actions, taking place over a period of time (40 CFR Part 1508.7, CEQ Regulations).

Geographical limits for the Proposed Action must be established in order to determine the cumulative effects. These limits can vary by the resources that are affected. The geographical extent will be broadened to consider effects beyond the Proposed Action. The geographical extent considered is Tyler and Wetzel Counties. The construction of the Proposed Action will have insignificant, temporary negative impacts and insignificant permanent negative impacts on the environment. The Proposed Action will have minor temporary negative impacts on the environment. Water quality and resident safety are two valuable resources where the Proposed Action will have long-term positive effects.

Section III documents the existing environment and potential environmental effects of the Proposed Action and No Action Alternative. The effects, as discussed above, are localized and minor. No resource was found to have the potential to be significantly impacted during the scoping of the cumulative effects. Only insignificant minor or temporary impacts on ecological resources will result from the implementation of the Proposed Action. These resources will be fully reestablished upon completion of construction.

An additional benefit is the availability of Federal funds through initiatives like the 219 Program that assists communities in West Virginia with development projects, and the installation and construction of water-related environmental infrastructure resource protection. The existing program is set to continue for the foreseeable future, and it is anticipated that the Proposed Action will have a positive, cumulative impact on health, safety, and the environment, considering past, present, and reasonably foreseeable actions. Upgrading and replacing failing equipment will also improve water quality within the community, giving the community access to safe recreational and drinking water. Additionally, the Proposed Action will not affect the change in capacity of the WWTP or any reasonably foreseeable future actions.

Lastly, the United States Environmental Protection Agency Superfund program is currently funding the cleanup of groundwater and drinking water due to contamination in Paden City. The WWTP upgrades could reduce community burden by addressing existing issues with contaminated drinking water.

#### V. STATUE OF ENVIRONMENTAL COMPLIANCE

Based on the information provided above, full compliance with all local, state, and Federal statues as well as Executive Orders is complete. The compliance is documented below in Table 1.

Table 1 - Environmental Compliance Status

Statute/Executive Order	Full	Partial	N/A
National Environmental Policy Act (considered partial until the FONSI is signed)		X	
Fish and Wildlife Coordination Act (considered partial until the FONSI is signed)	X		
Endangered Species Act (considered partial until the FONSI is signed)	X		
Clean Water Act	X		
Wild and Scenic Rivers Act	X		
Clean Air Act	X		
National Historic Preservation Act	X		
Archaeological Resources Protection Act	X		
Comprehensive, Environmental Response, Compensation and Liability Act	X		
Resource Conservation and Recovery Act	X		
Toxic Substances Control Act	X		
Quiet Communities Act	X		
Farmland Protection Act	X		
Executive Order 11988 Floodplain Management	X		
Executive Order 11990 Protection of Wetlands	X		
Executive Order 12898 Environmental Justice in Minority Populations and Low-Income Populations	X		

#### VI. REQUIRED COORDINATION

#### A. Agencies Contacted

Direct coordination with the WV SHPO, the WV DNR, the Region 5 PDC, the USFWS, and Paden City was initiated prior to publication of the DEA. Responses have been received from all agencies with the exception of the USFWS. The USACE is the lead action agency, and therefore must request formal consultation and written concurrence from USFWS. Agency correspondences are included in Appendix B.

#### **B.** Public Review and Comments

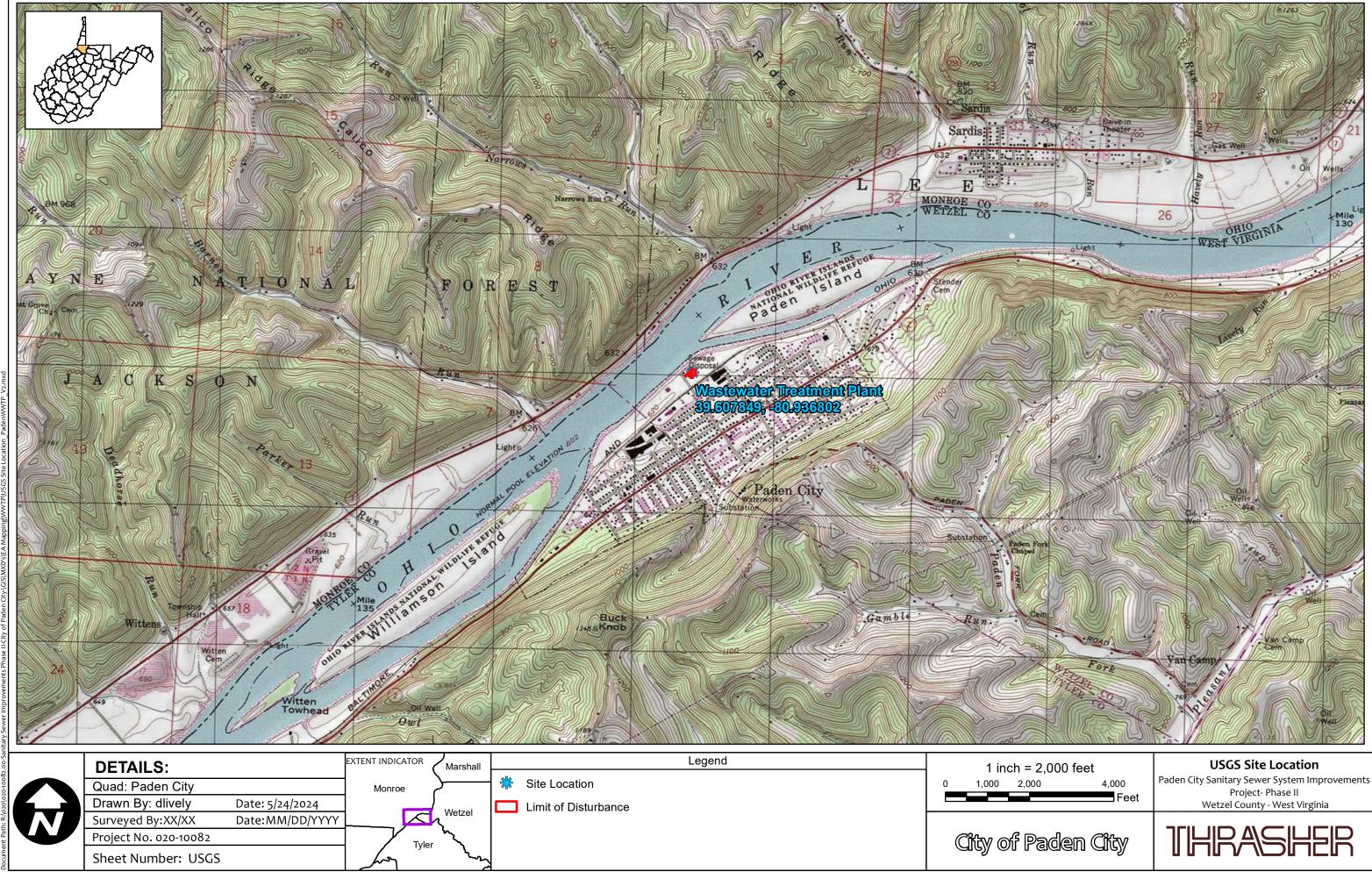
The DEA will be made available for public review and comment for a period of 30 days, as required under the NEPA. A Notice of Availability will be published in the local newspaper, the Wetzel Chronicle, advising the public this document is available for review and comment. A copy of the DEA will also be placed in the Paden City Public Library and made available online at: <a href="http://www.lrp.usace.army.mil/Missions/Planning-Programs-Project-Management/">http://www.lrp.usace.army.mil/Missions/Planning-Programs-Project-Management/</a>.

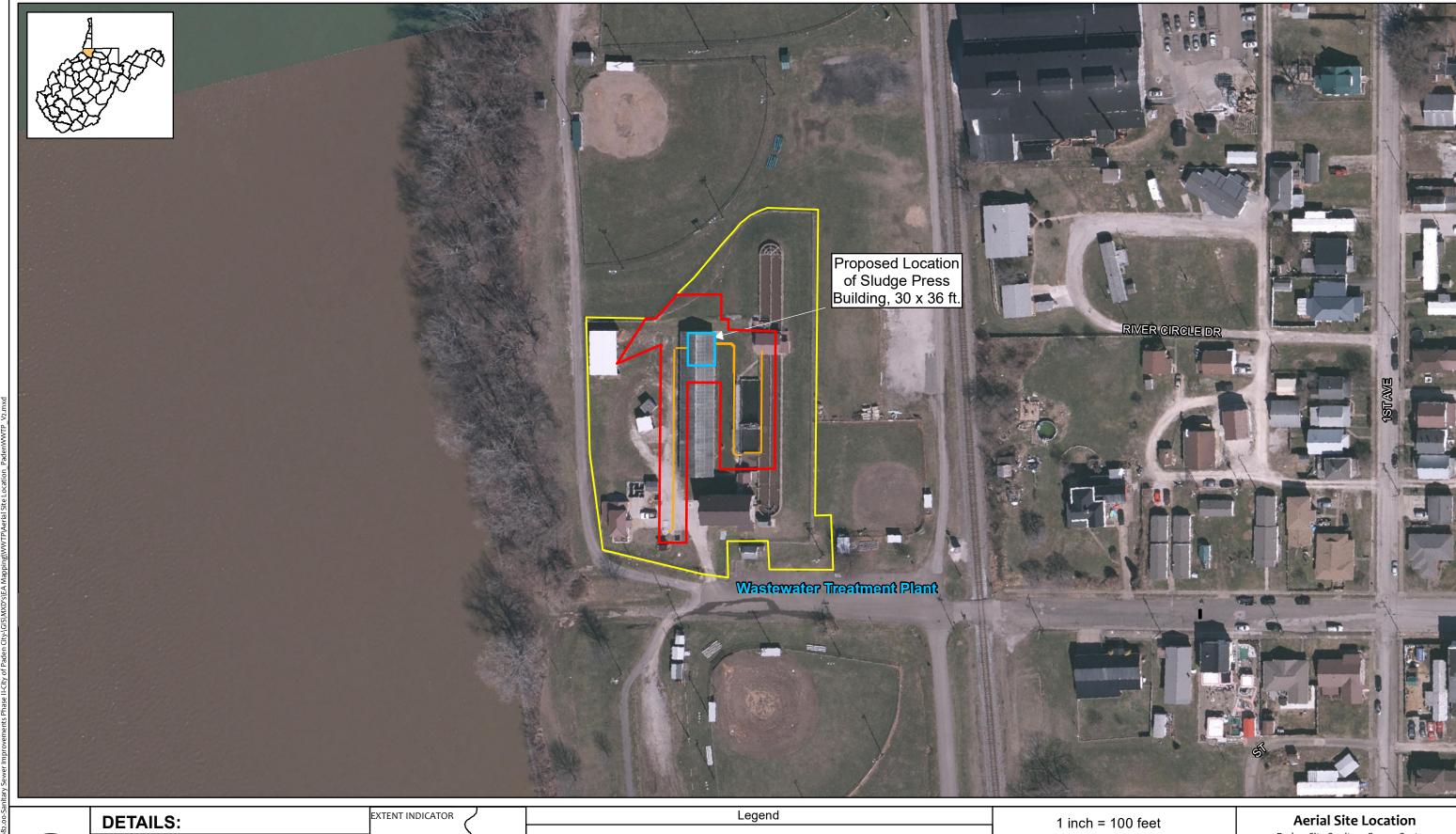
#### VII. CONCLUSION

Many of the residents and businesses within Paden City and the surrounding area utilize Paden City's sanitary sewer system. Several components of the current wastewater treatment infrastructure are outdated and result in costly, ineffective treatment for the area. No significant short-term and no significant long-term adverse impacts to the environment have been identified as a result of the implementation of the Proposed Action. Construction will entirely take place on previously disturbed land within the current footprint of the WWTP. Health and safety, as well as public drinking water quality benefits, will be realized immediately with the implementation of the Proposed Action. Effects associated with construction will be minor and temporary. BMPs will be implemented during construction to minimize impacts to residents and the environment. Therefore, the Proposed Action is not expected to have significant impacts on the human environment.

#### APPENDIX A - PROJECT MAPPING

- USGS Site Location Map
- Aerial Site Location Map
- NLCD Landcover Map
- 100-Year Floodplain Map
  - NRCS Soil Types Map
  - Water Resources Map
    - WV SHPO Map
    - Recreation Map
  - Transportation Map







DETAILS:

Quad: Paden City

Drawn By: dlively

Surveyed By:XX/XX

Project No. 020-10082

Sheet Number: Overall

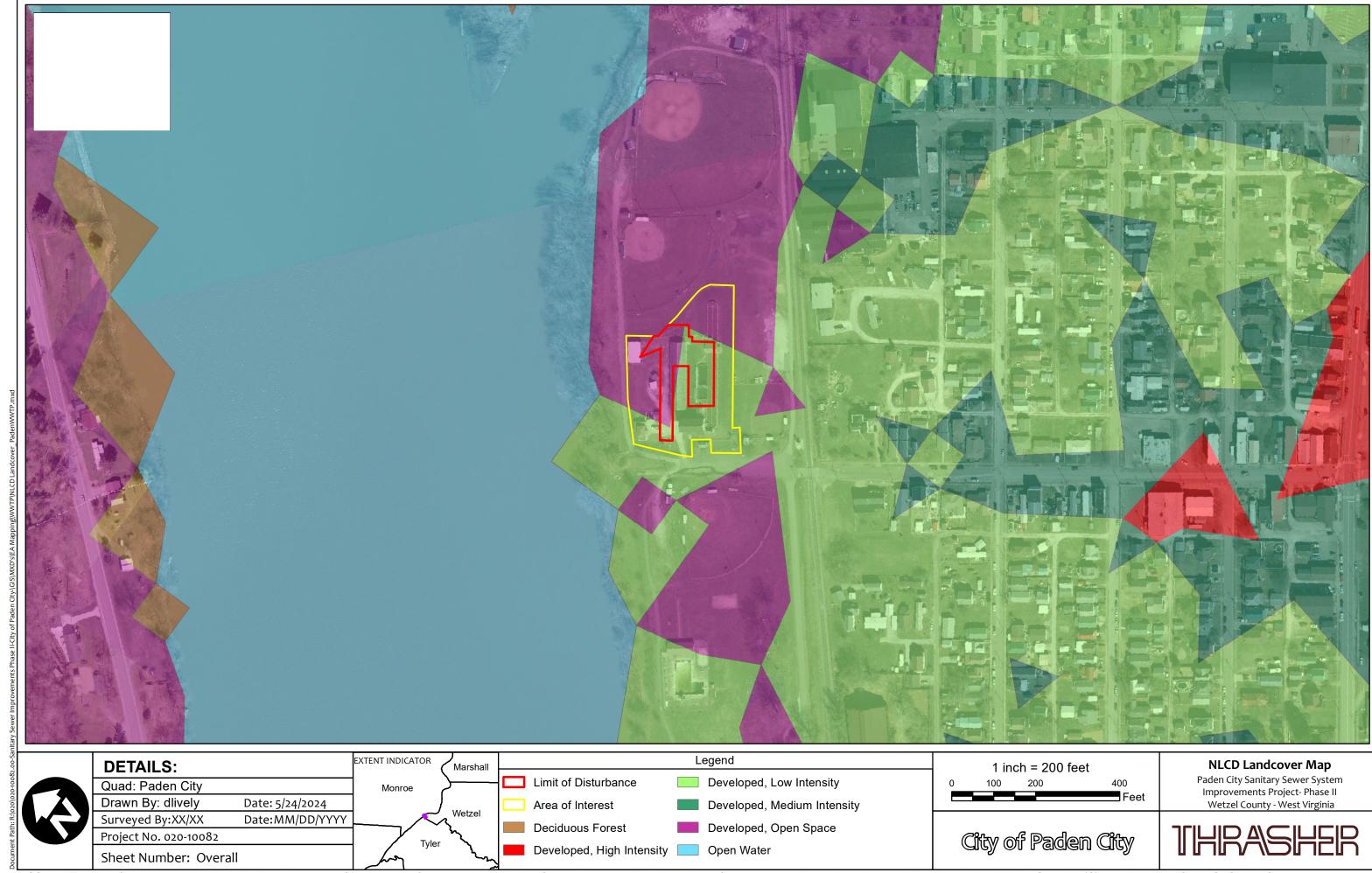
Plant Piping
Proposed Building
Limit of Disturbance
Area of Interest

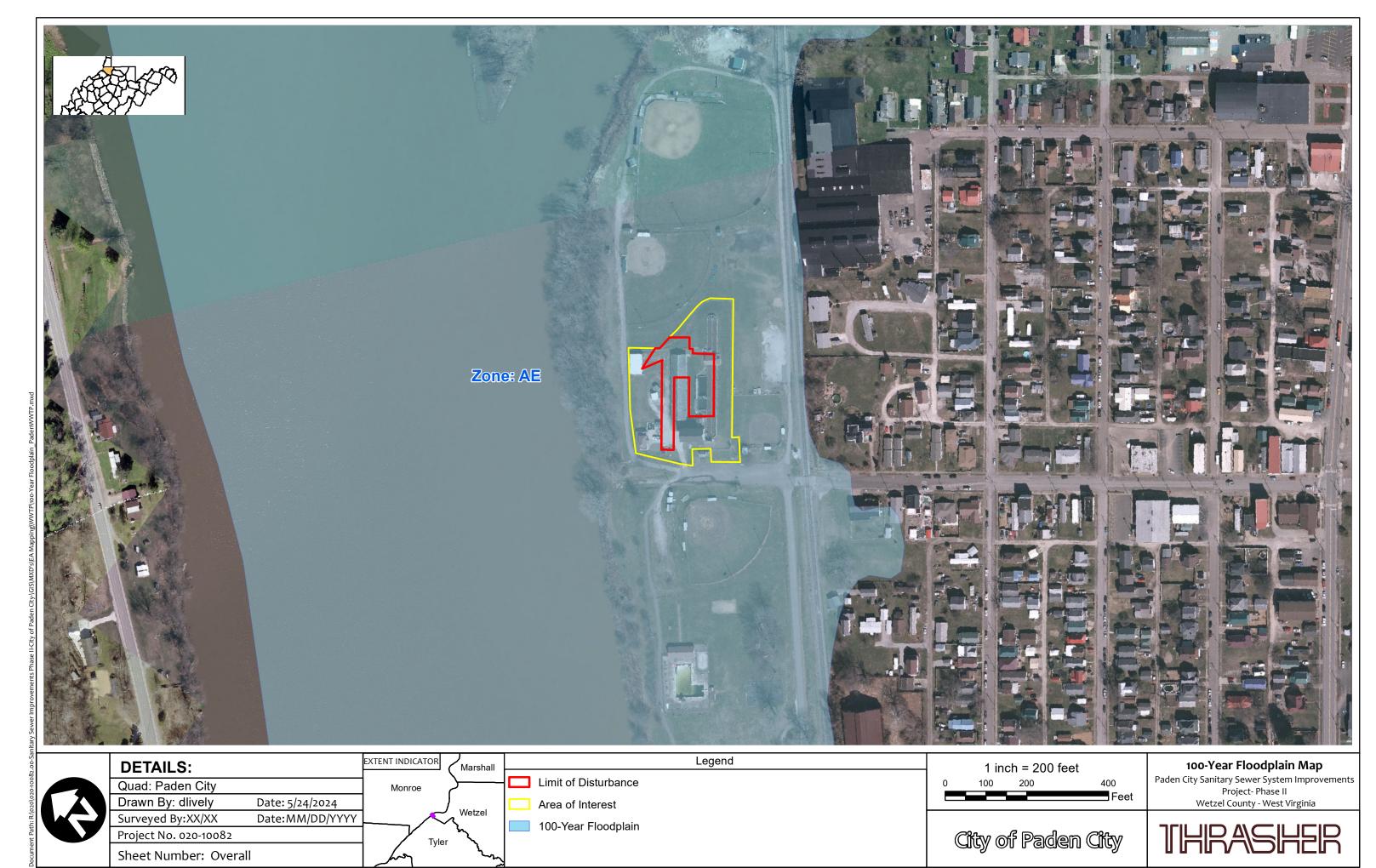
1 inch = 100 feet 0 50 100 200 Feet

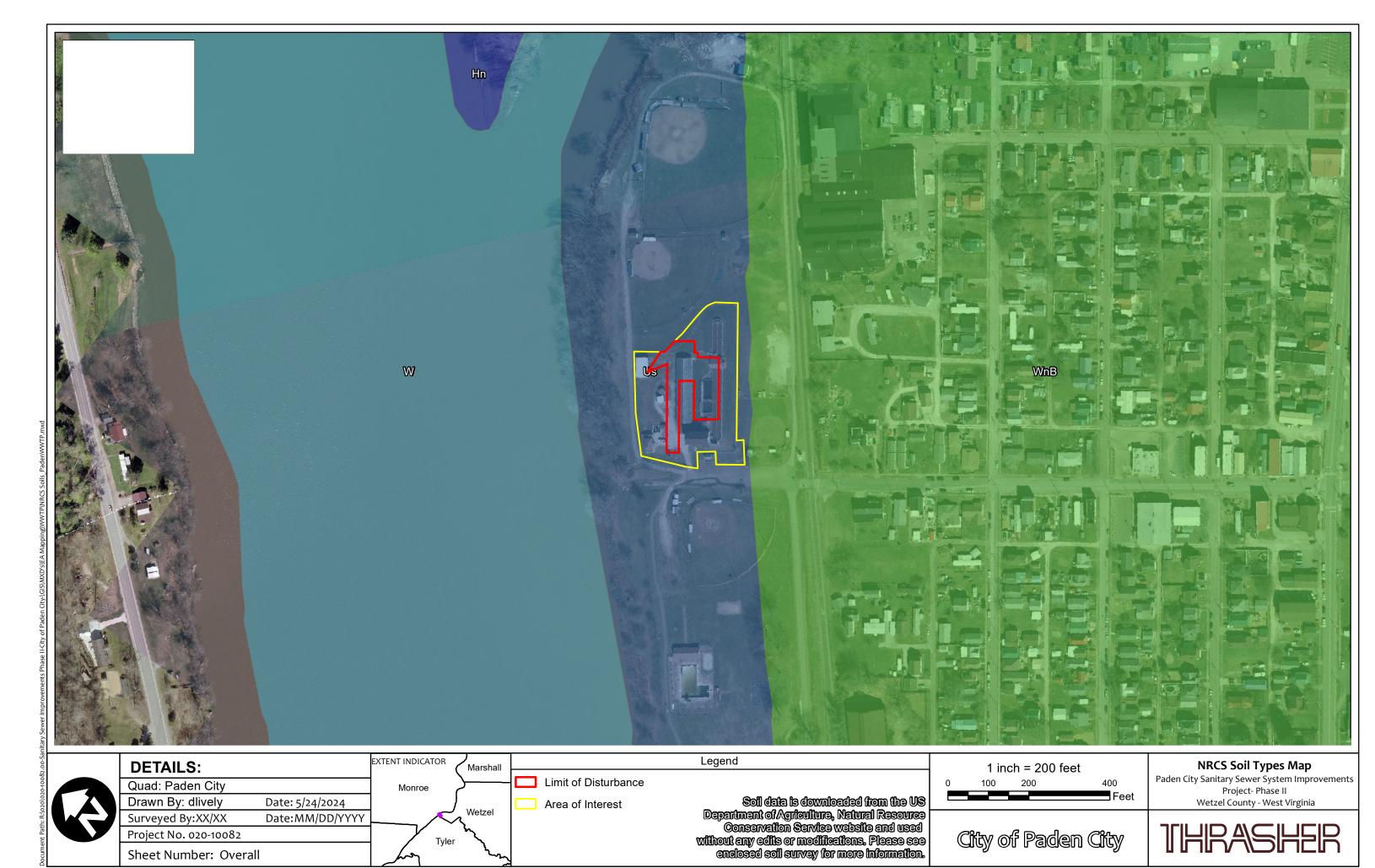
City of Paden City

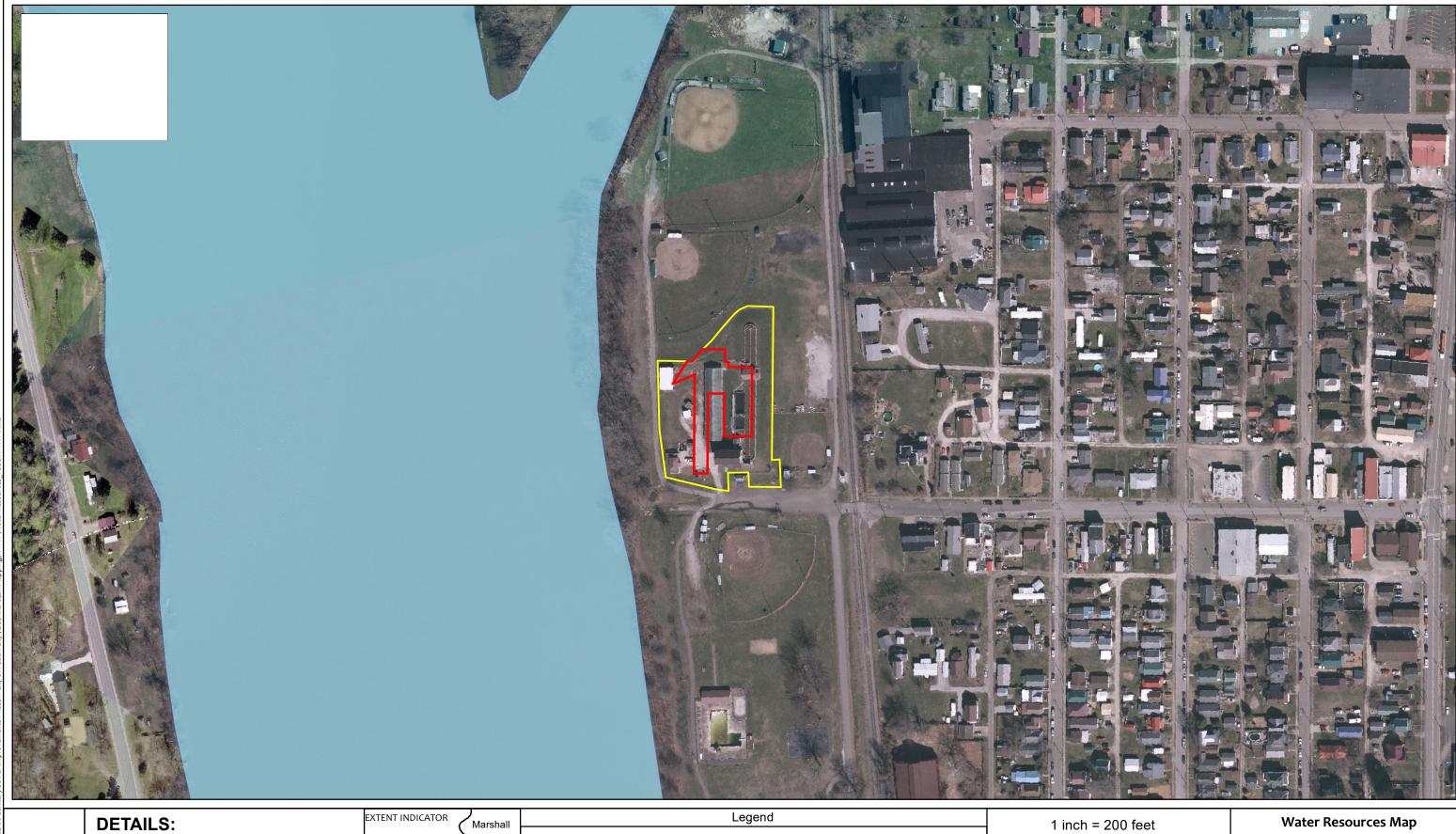
Paden City Sanitary Sewer System Improvements Project- Phase II Wetzel County - West Virginia

THRASHER











Quad: Paden City

Drawn By: dlively

Surveyed By:XX/XX

Project No. 020-10082

Sheet Number: Overall

Monroe Wetzel Area

POW/Riverine

Limit of Disturbance

Area of Interest

NWI data is downloaded from the US Fish & Wildlife website and used without any edits or modifications.

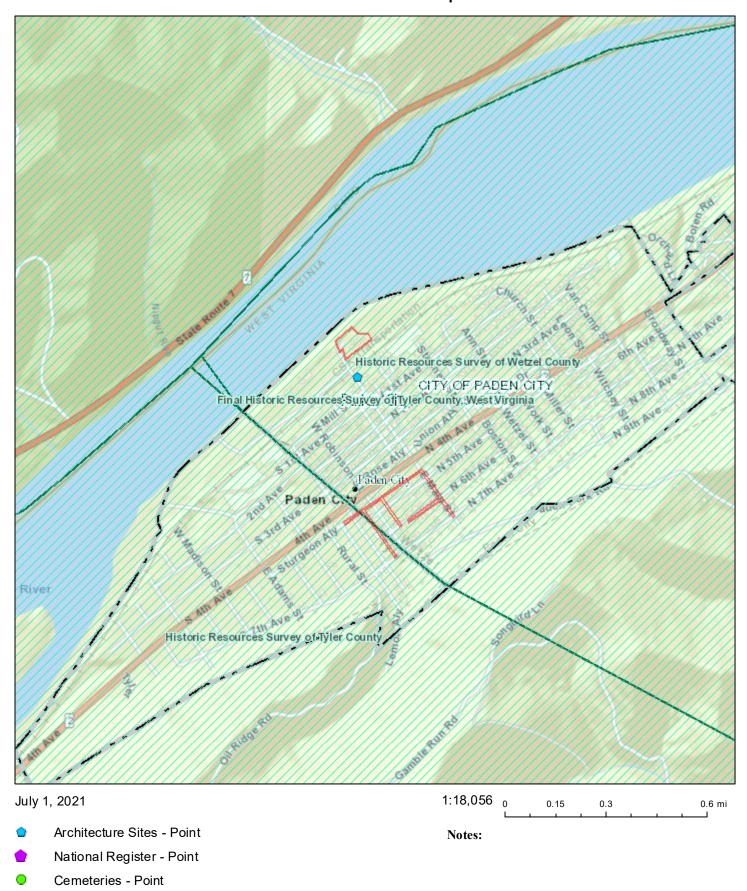
1 inch = 200 feet
100 200 400
Feet

City of Paden City

Paden City Sanitary Sewer System Improvements Project- Phase II Wetzel County - West Virginia

THRASHER

# WV SHPO Map



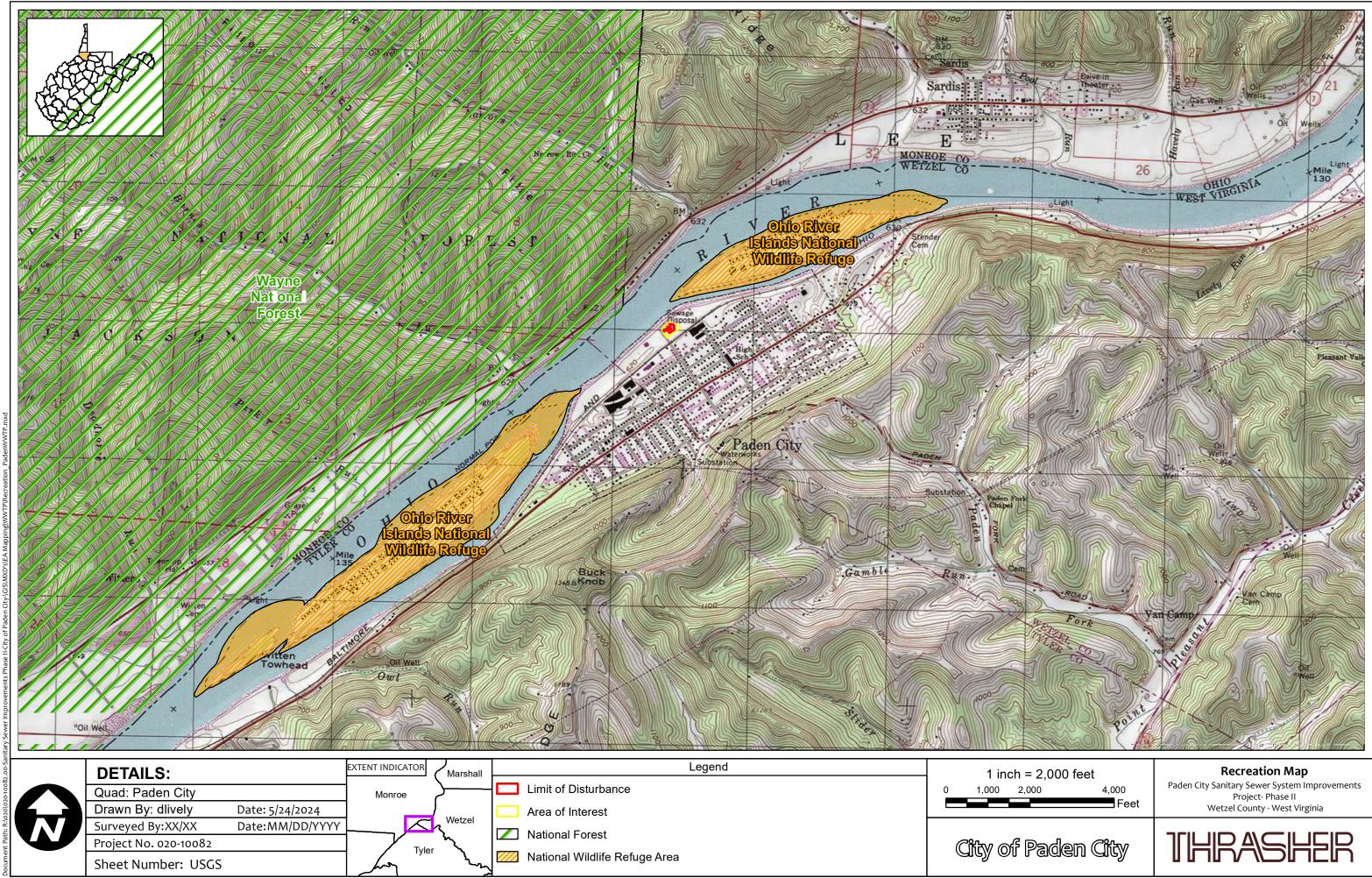
National Register - Area

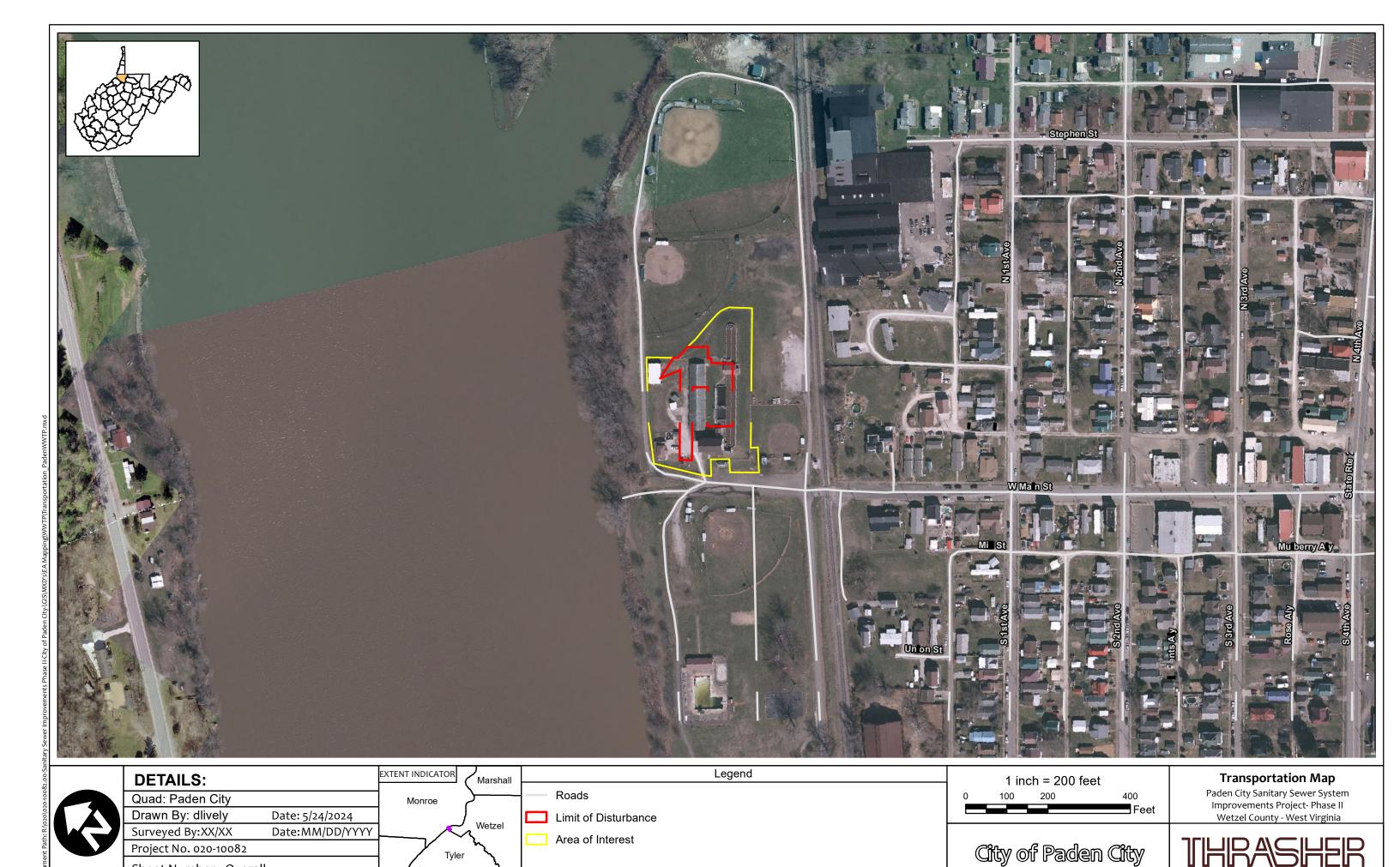
Cemeteries - Area

Architecture Survey - Area

Architecture Sites - Area

WVGISTC, WVSHPO





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Sheet Number: Overall

### APPENDIX B – AGENCY CORRESPONDENCE

# CITY OF PADEN CITY

### 201 W MAIN ST. PADEN CITY, WV 26159

## Flood Plain Permit

SITE INFORMATION	
Permit Application #:	Date: 3/14/2023
Applicant Name: City of Paden Cit	y (Wastewater Treatment Plant)
Owner Name: City of Paden City	
Development Site Address: 500 W	/ Main St

Type of	Developme	ent: Installing	of Belt I	Press			
Filling	Yes	Grading	Yes	Excavation	Yes	Bori	ing
Property	located in	a designate	d floodpl	ain?	Yes	X	No
Descript	ion of Dev	elopment:					
Inetalling	Relt Pres	s System in	the Wast	ewater Treatmer	nt Plant		

FLOODPLAIN INFORMATION	
Elevation of (100-year) Floodplain: 636'	
Elevation/ floodproofing: 638'	
Elevation of proposed development site (if known):	

Name	Signature	Date
Applicant Jeremy Anderson	Cals .	3-15-65
Public Works Aaron J. Billiter	6992	3-15-23
Building Inspector Jim Richmond	Mechanord	

This permit is issued with the condition that WV811 is contacted (800-245-4848) prior to beginning of construction, and in accordance with West Virginia Code 24C.

This permit is issued with the condition that first floor (excluding the basement or crawlway) of any new or substantially improved building shall be at or above the protection elevation (which is two (2) feet above the regional flood elevation). The fill elevation shall be one (1) foot or more above the regional flood elevation extended at least five (5) feet beyond the limits of a non-residential structure and fifteen (15) feet beyond the limits of a residential structure. The basement or crawlway floor may be placed at the regional flood elevation if it is floodproofed to the flood protection elevation. NO basement or crawlway floor is allowed below the regional flood elevation.



COMPLEX PROJECTS
REQUIRE RESOLVE
THRASHER'S GOT IT

July 1, 2021

Ms. Susan Pierce Deputy State Historic Preservation Officer The Cultural Center 1900 Kanawha Blvd., E. Charleston, WV 25305-0300

RE: Section 106 Review/Cultural Resources Consultation City of Paden City Sanitary Sewer Improvements Phase II Project Tyler & Wetzel Counties, West Virginia Thrasher Project # 101-020-10082

Ms. Pierce:

The Thrasher Group, Inc. (Thrasher) is currently in the process of preparing a preliminary engineering report and a financial assistance application package through the United States Army Corps of Engineers – Pittsburgh District under Section 219 of the Water Resource Development Act 1992 for the City of Paden City (City) in order to complete improvements to the sanitary sewer collection system. Supporting documentation required as part of the application package includes a Section 106 review from the West Virginia (WV) State Historic Preservation Office (SHPO). Therefore, Thrasher is submitting to the WV SHPO a project review request for the Sanitary Sewer Improvements Phase II Project (Project), located in the United States Geological Survey (USGS) Paden City 7.5-minute quadrangle of Tyler & Wetzel Counties, WV. Please see the USGS Site Location Map, enclosed.

The City owns and operates a sanitary sewer collection system that serves approximately 1,180 customers. The City currently receives and treats a significant amount of inflow and infiltration (I&I). The significant amount of I&I puts an unnecessary strain on the City's wastewater treatment plant (WWTP) and increases operational and maintenance costs. An I&I investigation identified areas of the system contributing to the I&I rates and other areas in poor condition. The City is proposing to address the I&I issues and complete various upgrades to the collection system. Additionally, the WWTP has not had any substantial upgrades in many years. Equipment at the WWTP has become ineffective leading to a higher treatment and disposal costs. The City is proposing to complete upgrades to the WWTP to address the ineffective equipment. The total Project limit of disturbance will encompass 4.15 acres. Please see the Aerial Site Location Map, enclosed. Specifically, the Project will involve the removal and replacement of approximately 3,400 linear feet of six-inch polyvinyl chloride (PVC) sanitary sewer lines with eight-inch PVC sanitary sewer lines and other necessary appurtenances. The sanitary sewer lines will be replaced in the same location within the existing rights of way in previously disturbed areas. Additionally, upgrades to the WWTP will include the construction of a new masonry brick building to house a new belt filter press and aeration system.

Ms. Susan Pierce July 1, 2021 Page 2 of 2

#### Architectural Resources:

A review of the WV SHPO online map viewer identified the nearest National Register of Historic Places (NRHP) listed resource as the Sistersville Historic District (NRHP #75001899), which is approximately 3.8-miles southwest of the Project area. The Project will consist of buried utility lines within existing rights of way and no timbering is proposed for the Project. The WWTP was constructed in the 1980s based on publicly available tax information and does not represent a historical architectural resource. While there will be a new building constructed, it will be of similar design and located at the WWTP so it will not be a significant viewshed change to any adjacent architectural resources. Please see the WV SHPO Map, enclosed.

#### Archaeological Resources:

As the Project consists of the removal and replacement of existing sewer lines and appurtenances and construction of a new building in previously disturbed areas, archaeological resources are not expected to be encountered.

Thrasher respectfully requests concurrence from the WV SHPO with these determinations. If any further documentation is requested for this Project, or any questions or concerns should arise, please feel free to contact me at your earliest convenience at (304) 326-6122 or igoudv@thethrashergroup.com.

Sincerely,

THE THRASHER GROUP, INC.

JEREMIAH GOUDY **Environmental Scientist I** 

Enclosures (3): **USGS Site Location Map Aerial Site Location Map** WV SHPO Map





Randall Reid-Smith, Curator

Phone 304.558.0220 • www.wvculture.org Fax 304.558.2779 • TDD 304.558.3562

EEO/AA Employer

July 14, 2021

Mr. Jeremiah Goudy
Environmental Scientist I
The Thrasher Group, Inc.
300 Association Drive
Charleston, WV 25311
Via amail: iggudy@thethrashergr

Via email: jgoudy@thethrashergroup.com

RE: City of Paden City – Sanitary Sewer Improvements Phase II Project

Thrasher Project # 101-020-10082

FR#: 21-783-MULTI

Dear Mr. Goudy:

We have reviewed the above referenced project to determine potential effects on cultural resources. As required by Section 106 of the National Historic Preservation Act, as amended, and its implementing regulations, 36 CFR 800: "Protection of Historic Properties," we submit our comments.

According to the submitted information, the City of Paden City proposes to undertake Phase II of a sanitary sewer improvements project to address inflow and infiltration issues throughout the system. Financial assistance for the project will be through the U.S. Army Corps of Engineers – Pittsburgh District under Section 219 of the Water Resource Development Act of 1992. The project will include upgrades at the existing wastewater treatment plant (WWTP) (e.g., replacement of outdated equipment) and the removal and replacement of approximately 3,400 linear feet of sanitary sewer lines and other necessary appurtenances. A new masonry brick building that will house a new belt filter press and aeration system will be constructed at the WWTP.

#### **Architectural Resources:**

We have reviewed the submitted information and determined that the new masonry brick building described above for this project is located within approximately 300 feet of the Pollock House (WZ-0090), which has been determined eligible for listing in the National Register of Historic Places under Criteria A, B and C of the *Criteria for Evaluation*. Due to the nature of the construction as an addition to an existing treatment plant facility, intervening vegetation, the nature of the surrounding development in an urban/industrial/mixed use environment, it is our opinion that this project will have *no adverse effect* on the above-mentioned property. The remainder of the project as a pipeline that is replacing existing pipe and that has no permanent above-ground features is taking place in an area with no documented architectural resources. Therefore, this portion of the

July 14, 2021 Mr. Goudy

FR#: 21-783-MULTI

Page 2

project will also have *no adverse effect* on any known historic resources. No further consultation is necessary regarding architectural resources; however, we do ask that you contact our office if your project should change.

#### **Archaeological Resources:**

According to our records, there are no previously documented archaeological resources located within the proposed project areas where ground disturbing activities are scheduled to take place. Current project information states that the proposed replacement sewer lines and appurtenances will be installed at the same locations as existing lines in existing previously disturbed rights-of-way. Although the proposed building site at the WWTP has not been finalized at this time, both proposed locations have been heavily impacted by prior ground disturbing activities. Therefore, due to the noted disturbances, it is unlikely that significant intact deposits will be encountered. In our opinion, the proposed sanitary sewer improvements project will have no effect on archaeological historic properties. No further consultation is necessary regarding archaeological resources. However, if intact cultural materials are encountered during construction, cease all activity within the area of discovery and contact this office immediately.

We appreciate the opportunity to be of service. If you have questions regarding our comments or the Section 106 process, please contact Kent C. Walker, Structural Historian, or Carolyn M. Kender, Archaeologist, at (304) 558-0240.

Sincerely,

Benjamin M. Riggle signed electronically for Susan M. Pierce 9:08am 7/14/2021

Susan M. Pierce Deputy State Historic Preservation Officer

SMP/KCW/CMK

CC: Ms. Courtney Neff, The Osage Nation (cneff@osagenation-nsn.gov)



COMPLEX PROJECTS
REQUIRE RESOLVE
THRASHER'S GOT IT

July 1, 2021

United States Fish and Wildlife Service West Virginia Field Office 6263 Appalachian Highway Davis, WV 26260 Transmitted via email: FW5\_WVFO@fws.gov

RE: Project Review Request

City of Paden City Sanitary Sewer Improvements Phase II Project Tyler & Wetzel Counties, West Virginia Thrasher Project # 101-020-10082 Consultation Code: 05E2WV00-2021-SLI-0694

#### To Whom It May Concern:

The Thrasher Group, Inc. (Thrasher) is currently in the process of preparing a preliminary engineering report and a financial assistance application package through the United States Army Corps of Engineers – Pittsburgh District under Section 219 of the Water Resource Development Act 1992 for the City of Paden City (City) in order to complete improvements to the sanitary sewer collection system. Supporting documentation required as part of the application package includes clearance from the United States Fish and Wildlife Service (USFWS) - West Virginia (WV) Field Office (FO). Therefore, Thrasher is submitting to the USFWS-WVFO a project review request for the Sanitary Sewer Improvements Phase II Project (Project), located in the United States Geological Survey (USGS) Paden City 7.5-minute quadrangle of Tyler & Wetzel Counties, WV. Please see the USGS Site Location Map, enclosed.

The City owns and operates a sanitary sewer collection system that serves approximately 1,180 customers. The City currently receives and treats a significant amount of inflow and infiltration (I&I). The significant amount of I&I puts an unnecessary strain on the City's wastewater treatment plant (WWTP) and increases operational and maintenance costs. An I&I investigation identified areas of the system contributing to the I&I rates and other areas in poor condition. The City is proposing to address the I&I issues and complete various upgrades to the collection system. Additionally, the WWTP has not had any substantial upgrades in many years. Equipment at the WWTP has become ineffective leading to a higher treatment and disposal costs. The City is proposing to complete upgrades to the WWTP to address the ineffective equipment. The total Project limit of disturbance will encompass 4.15 acres. Please see the Aerial Site Location Map, enclosed. Specifically, the Project will involve the removal and replacement of approximately 3,400 linear feet of six-inch polyvinyl chloride (PVC) sanitary sewer lines with eight-inch PVC sanitary sewer lines and other necessary appurtenances. The sanitary sewer lines will be replaced in the same location within the existing rights of way in previously disturbed areas. Additionally, upgrades to the WWTP will include the construction of a new masonry brick building to house a new belt filter press and aeration system.

The USFWS Information for Planning and Consultation (IPaC) software was reviewed for potential rare, threatened, and endangered (RTE) species habitat within the Project area. The IPaC listed

United States Fish and Wildlife Service - West Virginia Field Office July 1, 2021 Page 2 of 2

seven RTE species that should be considered as part of an effects analysis for the Project: the Indiana bat (Myotis sodalis), the northern long-eared bat (NLEB, Myotis septentrionalis), clubshell (Pleurobema clava), fanshell (Cyprogenia stegaria), pink mucket (Lampsilis abrupta), sheepnose mussel (Plethobasus cyphyus), and snuffbox mussel (Epioblasma triquetra). The review indicated that the Project area is outside of any critical habitat. It was determined that the Project will have no effect to either the Indiana bat or the NLEB, however due to the close proximity of the Ohio River to the work occurring at the WWTP, the Project may affect listed mussel species. Please see the IPaC Report and Species Conclusion Table, enclosed.

No timbering will be required for this Project. Habitat within the project area primarily consists of impervious surfaces (roadways) and maintained residential lawns. No streams will be crossed or impacted for the Project. Construction and earth moving at the WWTP will occur within close proximity of the Ohio River. Best management practices and erosion and sediment controls will be utilized throughout the Project area to minimize downstream transportation of sediment. Publicly available Abandoned Mine Land and WV Department of Environmental Protection historical mining resources identified no portals within the Project area.

Thrasher is requesting an expedited review of the proposed Project as it relates to potential impacts to listed species. If any further documentation is required for this Project, or if any questions or concerns should arise, please feel free to contact me at (304) 326-6122 or igoudy@thethrashergroup.com.

Sincerely,

THE THRASHER GROUP, INC.

**JEREMIAH GOUDY** Environmental Scientist I

Enclosures (4):

**USGS** Site Location Map Aerial Site Location Map IPaC Report **Species Conclusion Table** 



## United States Department of the Interior



#### FISH AND WILDLIFE SERVICE

West Virginia Ecological Services Field Office 6263 Appalachian Highway Davis, WV 26260-8061 Phone: (304) 866-3858 Fax: (304) 866-3852

In Reply Refer To: March 13, 2023

Project Code: 2023-0055213

Project Name: Paden City Sanitary Sewer Project

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 ECOS-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 ECOS-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.

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:

http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.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/birds/policies-and-regulations.php.

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/birds/bird-enthusiasts/threats-to-birds.php.

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/birds/policies-and-regulations/executive-orders/e0-13186.php.

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.

03/13/2023

# Attachment(s):

- Official Species List
- USFWS National Wildlife Refuges and Fish Hatcheries
- Migratory Birds
- Wetlands

03/13/2023

# **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:

West Virginia Ecological Services Field Office 6263 Appalachian Highway Davis, WV 26260-8061 (304) 866-3858

#### **PROJECT SUMMARY**

Project Code: 2023-0055213

Project Name: Paden City Sanitary Sewer Project

Project Type: Wastewater Facility - Maintenance / Modification

Project Description: This Proposed Action is the Project that is designed to upgrade the

existing WWTP to improve sanitary sewer service to the City and surrounding areas. The Proposed Action will construct a sludge dewatering building with a sludge belt filter press (BFP), upgrade the existing aeration system, and purchase a new dump truck for sludge

hauling.

Under the Proposed Action, two of the existing sludge drying beds will be demolished. The sludge dewatering building will be constructed including the installation of the BFP, waste activated sludge (WAS) pump, WAS piping from the sludge holding tank to the BFP, and additional diffusers in the sludge holding tank. The existing air feed piping to the sludge holding tank will be removed and replaced. Selective demolition within the existing blower building will occur and the existing blowers will be replaced with adequately sized equipment. A new dump truck will be purchased for sludge hauling.

#### **Project Location:**

The approximate location of the project can be viewed in Google Maps: <a href="https://www.google.com/maps/@39.6078167,-80.93669958029392,14z">https://www.google.com/maps/@39.6078167,-80.93669958029392,14z</a>



Counties: Wetzel County, West Virginia

#### **ENDANGERED SPECIES ACT SPECIES**

There is a total of 9 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 6 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 Fisheries<sup>1</sup>, 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.

#### **MAMMALS**

NAME STATUS

#### 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:

 All activities in this location should consider potential effects to this species. This project is not within a known-use area, but potentially occupied habitat may exist. Please contact the WVFO for additional consultation.

Species profile: https://ecos.fws.gov/ecp/species/5949

#### Northern Long-eared Bat Myotis septentrionalis

Threatened

No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/9045">https://ecos.fws.gov/ecp/species/9045</a>

#### Tricolored Bat Perimyotis subflavus

No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/10515">https://ecos.fws.gov/ecp/species/10515</a>

Proposed Endangered

#### **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:

 This project is in close proximity of a stream known to support this species; all activities in this location should consider potential effects to the species. Review the project design guidelines for information about next steps and contacting the WVFO.

Species profile: <a href="https://ecos.fws.gov/ecp/species/3789">https://ecos.fws.gov/ecp/species/3789</a>

General project design guidelines:

https://ipac.ecosphere.fws.gov/project/ECATHICPMBD7VJSVO7KL7H52QQ/documents/generated/6454.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:

• This project is in close proximity of a stream known to support this species; all activities in this location should consider potential effects to the species. Review the project design guidelines for information about next steps and contacting the WVFO.

Species profile: https://ecos.fws.gov/ecp/species/4822

General project design guidelines:

https://ipac.ecosphere.fws.gov/project/ECATHICPMBD7VJSVO7KL7H52QQ/documents/generated/6470.pdf

#### Pink Mucket (pearlymussel) Lampsilis abrupta

Endangered

No critical habitat has been designated for this species.

This species only needs to be considered under the following conditions:

 This project is in close proximity of a stream known to support this species; all activities in this location should consider potential effects to the species. Review the project design guidelines for information about next steps and contacting the WVFO.

Species profile: <a href="https://ecos.fws.gov/ecp/species/7829">https://ecos.fws.gov/ecp/species/7829</a>

General project design guidelines:

https://ipac.ecosphere.fws.gov/project/ECATHICPMBD7VJSVO7KL7H52QQ/documents/generated/6463.pdf

#### Sheepnose Mussel *Plethobasus cyphyus*

Endangered

No critical habitat has been designated for this species.

This species only needs to be considered under the following conditions:

 This project is in close proximity of a stream known to support this species; all activities in this location should consider potential effects to the species. Review the project design guidelines for information about next steps and contacting the WVFO.

Species profile: <a href="https://ecos.fws.gov/ecp/species/6903">https://ecos.fws.gov/ecp/species/6903</a>

General project design guidelines:

https://ipac.ecosphere.fws.gov/project/ECATHICPMBD7VJSVO7KL7H52QQ/documents/generated/6465.pdf

#### Snuffbox Mussel *Epioblasma triquetra*

**Endangered** 

No critical habitat has been designated for this species.

This species only needs to be considered under the following conditions:

NAME

 This project is in close proximity of a stream known to support this species; all activities in this location should consider potential effects to the species. Review the project design guidelines for information about next steps and contacting the WVFO.

Species profile: <a href="https://ecos.fws.gov/ecp/species/4135">https://ecos.fws.gov/ecp/species/4135</a>

General project design guidelines:

 $\frac{https://ipac.ecosphere.fws.gov/project/ECATHICPMBD7VJSVO7KL7H52QQ/documents/generated/6466.pdf}{}$ 

#### **INSECTS**

NAME STATUS

#### Monarch Butterfly *Danaus plexippus*

Candidate

No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/9743">https://ecos.fws.gov/ecp/species/9743</a>

#### **CRITICAL HABITATS**

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

03/13/2023

# USFWS NATIONAL WILDLIFE REFUGE LANDS AND FISH HATCHERIES

Any activity proposed on lands managed by the <u>National Wildlife Refuge</u> system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

THERE ARE NO REFUGE LANDS OR FISH HATCHERIES WITHIN YOUR PROJECT AREA.

03/13/2023

### **MIGRATORY BIRDS**

Certain birds are protected under the Migratory Bird Treaty Act<sup>1</sup> and the Bald and Golden Eagle Protection Act<sup>2</sup>.

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described below.

- 1. The Migratory Birds Treaty Act of 1918.
- 2. The Bald and Golden Eagle Protection Act of 1940.
- 3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

The birds listed below are birds of particular concern either because they occur on the USFWS Birds of Conservation Concern (BCC) list or warrant special attention in your project location. To learn more about the levels of concern for birds on your list and how this list is generated, see the FAQ below. This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area. To see exact locations of where birders and the general public have sighted birds in and around your project area, visit the E-bird data mapping tool (Tip: enter your location, desired date range and a species on your list). For projects that occur off the Atlantic Coast, additional maps and models detailing the relative occurrence and abundance of bird species on your list are available. Links to additional information about Atlantic Coast birds, and other important information about your migratory bird list, including how to properly interpret and use your migratory bird report, can be found below.

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, click on the PROBABILITY OF PRESENCE SUMMARY at the top of your list to see when these birds are most likely to be present and breeding in your project area.

NAME	BREEDING SEASON
Kentucky Warbler <i>Oporornis formosus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds Apr 20 to Aug 20
Wood Thrush <i>Hylocichla mustelina</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 10 to Aug 31

#### PROBABILITY OF PRESENCE SUMMARY

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read and understand the

FAQ "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

#### **Probability of Presence (■)**

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

- 1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.
- 2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is 0.25/0.25 = 1; at week 20 it is 0.05/0.25 = 0.2.
- 3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

#### **Breeding Season** (

Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

#### Survey Effort (|)

Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

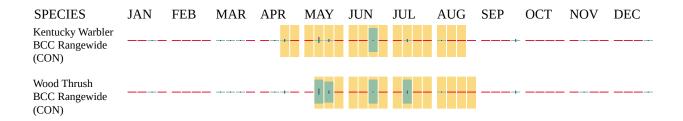
#### No Data (-)

A week is marked as having no data if there were no survey events for that week.

#### **Survey Timeframe**

Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.

03/13/2023



Additional information can be found using the following links:

- Birds of Conservation Concern <a href="https://www.fws.gov/program/migratory-birds/species">https://www.fws.gov/program/migratory-birds/species</a>
- Measures for avoiding and minimizing impacts to birds <a href="https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds">https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds</a>
- Nationwide conservation measures for birds <a href="https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf">https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf</a>

#### **MIGRATORY BIRDS FAQ**

Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.

Nationwide Conservation Measures describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. Additional measures or permits may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

# What does IPaC use to generate the list of migratory birds that potentially occur in my specified location?

The Migratory Bird Resource List is comprised of USFWS <u>Birds of Conservation Concern</u> (<u>BCC</u>) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the <u>Avian Knowledge Network (AKN)</u>. The AKN data is based on a growing collection of <u>survey</u>, <u>banding</u>, <u>and citizen science datasets</u> and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle (<u>Eagle Act</u> requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the <a href="Rapid Avian Information">Rapid Avian Information</a> Locator (RAIL) Tool.

# What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the <u>Avian Knowledge Network (AKN)</u>. This data is derived from a growing collection of <u>survey</u>, <u>banding</u>, <u>and citizen science datasets</u>.

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

#### How do I know if a bird is breeding, wintering or migrating in my area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may query your location using the <u>RAIL Tool</u> and look at the range maps provided for birds in your area at the bottom of the profiles provided for each bird in your results. If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

#### What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

- 1. "BCC Rangewide" birds are <u>Birds of Conservation Concern</u> (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
- 2. "BCC BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
- 3. "Non-BCC Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the <u>Eagle Act</u> requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

#### Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the <a href="Northeast Ocean Data Portal">Northeast Ocean Data Portal</a>. The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the <a href="NOAA NCCOS Integrative Statistical Modeling">NOAA NCCOS Integrative Statistical Modeling</a> and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic <a href="Outer Continental Shelf">Outer Continental Shelf</a> project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the <u>Diving Bird Study</u> and the <u>nanotag studies</u> or contact <u>Caleb Spiegel</u> or <u>Pam Loring</u>.

#### What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to <u>obtain a permit</u> to avoid violating the Eagle Act should such impacts occur.

#### **Proper Interpretation and Use of Your Migratory Bird Report**

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the "no data" indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

03/13/2023

## **WETLANDS**

Impacts to <u>NWI wetlands</u> and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local <u>U.S. Army Corps of Engineers District</u>.

Please note that the NWI data being shown may be out of date. We are currently working to update our NWI data set. We recommend you verify these results with a site visit to determine the actual extent of wetlands on site.

THERE ARE NO WETLANDS WITHIN YOUR PROJECT AREA.

03/13/2023

## **IPAC USER CONTACT INFORMATION**

Agency: The Thrasher Group, Inc.

Name: Jeremiah Goudy

Address: 300 Association Drive

City: Charleston

State: WV Zip: 25311

Email jgoudy@thethrashergroup.com

Phone: 3043266122



# United States Department of the Interior



#### FISH AND WILDLIFE SERVICE

West Virginia Ecological Services Field Office 6263 Appalachian Highway Davis, WV 26260-8061 Phone: (304) 866-3858 Fax: (304) 866-3852

In Reply Refer To: March 13, 2023

Project code: 2023-0055213

Project Name: Paden City Sanitary Sewer Project

IPaC Record Locator: 296-123554135

Federal Nexus: yes

Federal Action Agency (if applicable): Army Corps of Engineers

Subject: Technical assistance for 'Paden City Sanitary Sewer Project'

Dear Jeremiah Goudy:

This letter records your determination using the Information for Planning and Consultation (IPaC) system provided to the U.S. Fish and Wildlife Service (Service) on March 13, 2023, for "Paden City Sanitary Sewer Project" (here forward, Project). This project has been assigned Project Code 2023-0055213 and all future correspondence should clearly reference this number.

The Service developed the IPaC system and associated species' determination keys in accordance with the Endangered Species Act of 1973 (ESA; 87 Stat. 884, as amended; 16 U.S.C. 1531 et seq.) and based on a standing analysis. All information submitted by the Project proponent into the IPaC must accurately represent the full scope and details of the Project. Failure to accurately represent or implement the Project as detailed in IPaC or the Northeast Determination Key (Dkey), invalidates this letter. To make a no effect determination, the full scope of the proposed project implementation (action) should not have any effects (either positive or negative effect(s)), to a federally listed species or designated critical habitat.

Effects of the action are all consequences to listed species or critical habitat that are caused by the proposed action, including the consequences of other activities that are caused by the proposed action. A consequence is caused by the proposed action if it would not occur but for the proposed action and it is reasonably certain to occur. Effects of the action may occur later in time and may include consequences occurring outside the immediate area involved in the action. (See § 402.17). Under Section 7 of the ESA, if a federal action agency makes a no effect determination, no further consultation with, or concurrence from, the Service is required (ESA §7). If a proposed Federal action may affect a listed species or designated critical habitat, formal consultation is required (except when the Service concurs, in writing, that a proposed action "is

not likely to adversely affect (NLAA)" listed species or designated critical habitat [50 CFR §402.02, 50 CFR§402.13]).

The IPaC results indicated the following species is (are) potentially present in your project area and, based on your responses to the Service's Northeast DKey, you determined the proposed Project will have the following effect determinations:

Species	Listing Status	Determination
Clubshell ( <i>Pleurobema clava</i> )	Endangered	May affect
Fanshell ( <i>Cyprogenia stegaria</i> )	Endangered	May affect
Indiana Bat ( <i>Myotis sodalis</i> )	Endangered	NLAA
Pink Mucket (pearlymussel) ( <i>Lampsilis abrupta</i> )	Endangered	NLAA
Sheepnose Mussel ( <i>Plethobasus cyphyus</i> )	Endangered	May affect
Snuffbox Mussel ( <i>Epioblasma triquetra</i> )	Endangered	May affect

<u>Consultation with the Service is not complete.</u> Further consultation or coordination with the Service is necessary for those species or designated critical habitats with a determination of "May Affect". Please contact our West Virginia Ecological Services Field Office to discuss methods to avoid or minimize potential adverse effects to those species or designated critical habitats.

In addition to the species listed above, the following species and/or critical habitats may also occur in your project area and are not covered by this conclusion:

- Monarch Butterfly Danaus plexippus Candidate
- Northern Long-eared Bat *Myotis septentrionalis* Threatened
- Tricolored Bat Perimyotis subflavus Proposed Endangered

Please Note: If the Action may impact bald or golden eagles, additional coordination with the Service under the Bald and Golden Eagle Protection Act (BGEPA) (54 Stat. 250, as amended, 16 U.S.C. 668a-d) by the prospective permittee may be required. Please contact the Migratory Birds Permit Office, (413) 253-8643, or PermitsR5MB@fws.gov, with any questions regarding potential impacts to Eagles.

If you have any questions regarding this letter or need further assistance, please contact the West Virginia Ecological Services Field Office and reference the Project Code associated with this Project.

#### **Action Description**

You provided to IPaC the following name and description for the subject Action.

#### 1. Name

Paden City Sanitary Sewer Project

#### 2. Description

The following description was provided for the project 'Paden City Sanitary Sewer Project':

This Proposed Action is the Project that is designed to upgrade the existing WWTP to improve sanitary sewer service to the City and surrounding areas. The Proposed Action will construct a sludge dewatering building with a sludge belt filter press (BFP), upgrade the existing aeration system, and purchase a new dump truck for sludge hauling.

Under the Proposed Action, two of the existing sludge drying beds will be demolished. The sludge dewatering building will be constructed including the installation of the BFP, waste activated sludge (WAS) pump, WAS piping from the sludge holding tank to the BFP, and additional diffusers in the sludge holding tank. The existing air feed piping to the sludge holding tank will be removed and replaced. Selective demolition within the existing blower building will occur and the existing blowers will be replaced with adequately sized equipment. A new dump truck will be purchased for sludge hauling.

The approximate location of the project can be viewed in Google Maps: <a href="https://www.google.com/maps/@39.6078167,-80.93669958029392,14z">https://www.google.com/maps/@39.6078167,-80.93669958029392,14z</a>



#### **QUALIFICATION INTERVIEW**

- 1. As a representative of this project, do you agree that all items submitted represent the complete scope of the project details and you will answer questions truthfully? *Yes*
- 2. Does the proposed project include, or is it reasonably certain to cause, intentional take of listed species?

**Note:** This question could refer to research, direct species management, surveys, and/or studies that include intentional handling/encountering, harassment, collection, or capturing of any individual of a federally listed threatened, endangered, or proposed species.

No

3. Is the action authorized, permitted, licensed, funded, or being carried out by a Federal agency in whole or in part?

Yes

4. Is the Federal Highway Administration (FHWA), Federal Railroad Administration (FRA), or Federal Transit Administration (FTA) the lead agency for this project?

No

5. Are you including in this analysis all impacts to federally listed species that may result from the entirety of the project (not just the activities under federal jurisdiction)?

**Note:** If there are project activities that will impact listed species that are considered to be outside of the jurisdiction of the federal action agency submitting this key, contact your local Ecological Services Field Office to determine whether it is appropriate to use this key. If your Ecological Services Field Office agrees that impacts to listed species that are outside the federal action agency's jurisdiction will be addressed through a separate process, you can answer yes to this question and continue through the key.

Yes

6. Are you the lead federal action agency or designated non-federal representative requesting concurrence on behalf of the lead Federal Action Agency?

No

7. Will the proposed project involve the use of herbicide?

No

8. Are there any caves or anthropogenic features suitable for hibernating or roosting bats within the area expected to be impacted by the project?

No

9. Does any component of the project associated with this action include structures that may pose a collision risk to birds or bats (e.g., wind turbines, communication towers, transmission lines, any type of towers with or without guy wires)?

**Note**For federal actions, answer 'yes' if the construction or operation of wind power facilities is either (1) part of the federal action or (2) would not occur but for a federal agency action (federal permit, funding, etc.).

No

10. Will the proposed project result in permanent changes to water quantity in a stream or temporary changes that would be sufficient to result in impacts to listed species?

For example, will the proposed project include any activities that would alter stream flow, such as water withdrawal, hydropower energy production, impoundments, intake structures, diversion structures, and/or turbines? Projects that include temporary and limited water reductions that will not displace listed species or appreciably change water availability for listed species (e.g. listed species will experience no changes to feeding, breeding or sheltering) can answer "No". Note: This question refers only to the amount of water present in a stream, other water quality factors, including sedimentation and turbidity, will be addressed in following questions.

No

11. Will the proposed project affect wetlands?

This includes, for example, project activities within wetlands, project activities within 300 feet of wetlands that may have impacts on wetlands, water withdrawals and/or discharge of contaminants (even with a NPDES).

No

12. Will the proposed project activities (including upland project activities) occur within 0.5 miles of the water's edge of a stream or tributary of a stream where listed species may be present?

Yes

13. Will the proposed project directly affect a streambed (below ordinary high water mark (OHWM)) of the stream or tributary?

No

14. Will the proposed project bore underneath (directional bore or horizontal directional drill) a stream?

No

15. Will the proposed project involve a new point source discharge into a stream or change an existing point source discharge (e.g., outfalls; leachate ponds)?

No

16. Will the proposed project involve the removal of excess sediment or debris, dredging or instream gravel mining?

No

17. Will the proposed project involve the creation of a new water-borne contaminant source?

**Note** New water-borne contaminant sources occur through improper storage, usage, or creation of chemicals. For example: leachate ponds and pits containing chemicals that are not NSF/ANSI 60 compliant have contaminated waterways. Sedimentation will be addressed in a separate question.

No

18. Will the proposed project involve perennial stream loss that would require an individual permit under 404 of the Clean Water Act?

No

19. Will the proposed project involve blasting?

No

20. Will the proposed project include activities that could result in an increase to recreational fishing or potentially affect fish movement temporarily or permanently (including fish stocking, harvesting, or creation of barriers to fish passage)?

No

21. Will the proposed project involve earth moving that could cause erosion and sedimentation, and/or contamination along a stream?

**Note**Answer "Yes" to this question if erosion and sediment control measures will be used to protect the stream.

No

22. Will the proposed project involve vegetation removal within 200 feet of a perennial stream bank?

No

23. Will erosion and sedimentation control Best Management Practices (BMPs) associated with applicable state and/or Federal permits, be applied to the project? If BMPs have been provided by and/or coordinated with and approved by the appropriate Ecological Services Field Office, answer "Yes" to this question.

Yes

24. [Semantic] Is the project located on a Group 4 stream: the Ohio River downstream of Hannibal Locks and Dam, Little Kanawha River (slack-water section adjoining the Ohio River), and/or the Kanawha River downstream of Kanawha Falls?

#### Automatically answered

No

25. [Semantic] Does the project intersect the Virginia big-eared bat critical habitat?

#### Automatically answered

No

26. [Semantic] Does the project intersect the Indiana bat AOI?

#### Automatically answered

Yes

27. Is suitable summer habitat for the Indiana bat present within the action area?

Note: If unsure, answer "Yes." Or refer to Appendix A of the Range-wide Indiana Bat and Northern Long-Eared Bat Survey Guidelines for definitions and an assessment form that will assist you in determining if suitable habitat is present within your project area. Suitable summer habitat for Indiana bat consists of a wide variety of forested/wooded habitats where they roost, forage, and travel and may also include some adjacent and interspersed non-forested habitats such as emergent wetlands and adjacent edges of agricultural fields, old fields and pastures. This includes forests and woodlots containing potential roosts (i.e., live trees and/or snags ≥5 inches dbh (12.7 centimeter) that have exfoliating bark, cracks, crevices, and/or hollows), as well as linear features such as fencerows, riparian forests, and other wooded corridors. These wooded areas may be dense or loose aggregates of trees with variable amounts of canopy closure. Individual trees may be considered suitable habitat when they exhibit the characteristics of a potential roost tree and are located within 1,000 feet (305 meters) of other forested/wooded habitat

Yes

28. Has a presence/probable absence bat survey following the <u>Service's Range-wide Indiana</u> <u>Bat and Northern long-eared Bat Survey Guidelines</u> been conducted within the action area?

No

29. Does the project involve removal or modification of a human-made structure (barn, house, or other building) known or suspected to contain roosting bats?

**Note:** Most maintenance and general human disturbance in and around structures will not affect Indiana bats as bats roosting in human structures are adjusted to a certain level of routine noise and are generally expected to roost away from areas with excessive disturbance. Answer 'no' if the proposed action will not include disturbance to human structures known or suspected to contain roosting bats or if the structure does not offer suitable roosting habitat for northern long-eared bats. If unsure, answer 'yes.'

Νo

30. Does the project include removal/modification of an existing bridge or culvert? *No* 

31. Will the project include tree cutting, other means of knocking down or bringing down trees, or tree trimming?

No

32. Will the project result in the use of prescribed fire?

No

33. Will the proposed project involve blasting within Indiana bat suitable habitat? *No* 

34. Does the project include temporary or permanent lighting of roadway(s), facility(ies), and/ or parking lot(s)?

No

35. [Semantic] Does the project intersect the Indiana bat critical habitat?

#### Automatically answered

No

36. Are federally listed freshwater mussels known or assumed to be present in the action area? If unsure, contact the appropriate Ecological Services Field Office for additional information or answer "NO" and continue through the key.

No

37. Did a qualified surveyor conduct a survey within the action area with the appropriate level of search effort according to local survey guidance?

No

38. [Hidden Semantic] Does the project area intersect the AOI of Sheepnose?

#### Automatically answered

Yes

39. [Hidden Semantic] Does the project area intersect the AOI of Clubshell?

#### Automatically answered

Yes

40. [Hidden Semantic] Does the project area intersect the AOI of Fanshell?

#### Automatically answered

Yes

41. [Hidden Semantic] Does the project area intersect the AOI of Snuffbox?

#### Automatically answered

Yes

42. [Hidden Semantic] Does the project area intersect the AOI of the Pink Mucket?

#### Automatically answered

Yes

43. [Hidden Semantic] Was question 1.18 or 1.19 YES?

No

44. [Semantic] Does the project intersect the candy darter critical habitat?

#### Automatically answered

No

45. [Semantic] Does the project intersect the diamond darter critical habitat?

#### Automatically answered

No

46. [Semantic] Does the project intersect the Big Sandy crayfish critical habitat?

#### **Automatically answered**

Mo

47. [Hidden Semantic] Does the project intersect the Guyandotte River crayfish critical habitat?

#### Automatically answered

No

48. Do you have any other documents that you want to include with this submission? *No* 

## **PROJECT QUESTIONNAIRE**

- 1. Approximately how many acres of trees would the proposed project remove?  $\theta$
- 2. Approximately how many total acres of disturbance are within the disturbance/ construction limits of the proposed project?
  0.51
- 3. Briefly describe the habitat within the construction/disturbance limits of the project site. *previously disturbed areas, maintained grass and graveled areas*

### **IPAC USER CONTACT INFORMATION**

Agency: The Thrasher Group, Inc.

Name: Jeremiah Goudy

Address: 300 Association Drive

City: Charleston

State: WV Zip: 25311

Email jgoudy@thethrashergroup.com

Phone: 3043266122

#### LEAD AGENCY CONTACT INFORMATION

Lead Agency: Army Corps of Engineers



COMPLEX PROJECTS
REQUIRE RESOLVE
THRASHER'S GOT IT

July 1, 2021

Ms. Barbara Sargent Wildlife Diversity Unit West Virginia Division of Natural Resources 738 Ward Road Elkins, WV 26241

RE: Project Review Request
City of Paden City
Sanitary Sewer Improvements Phase II Project
Tyler & Wetzel Counties, West Virginia
Thrasher Project # 101-020-10082

#### Ms. Sargent:

The Thrasher Group, Inc. (Thrasher) is currently in the process of preparing a preliminary engineering report and a financial assistance application package through the United States Army Corps of Engineers – Pittsburgh District under Section 219 of the Water Resource Development Act 1992 for the City of Paden City (City) in order to complete improvements to the sanitary sewer collection system. Supporting documentation required as part of the application package includes clearance from the West Virginia (WV) Division of Natural Resources – Wildlife Resources Section (DNR-WRS). Therefore, Thrasher is submitting to the WV DNR-WRS a project review request for the Sanitary Sewer Improvements Phase II Project (Project), located in the United States Geological Survey (USGS) Paden City 7.5-minute quadrangle of Tyler & Wetzel Counties, WV. Please see the USGS Site Location Map, enclosed.

The City owns and operates a sanitary sewer collection system that serves approximately 1,180 customers. The City currently receives and treats a significant amount of inflow and infiltration (I&I). The significant amount of I&I puts an unnecessary strain on the City's wastewater treatment plant (WWTP) and increases operational and maintenance costs. An I&I investigation identified areas of the system contributing to the I&I rates and other areas in poor condition. The City is proposing to address the I&I issues and complete various upgrades to the collection system. Additionally, the WWTP has not had any substantial upgrades in many years. Equipment at the WWTP has become ineffective leading to a higher treatment and disposal costs. The City is proposing to complete upgrades to the WWTP to address the ineffective equipment. The total Project limit of disturbance will encompass 4.15 acres. Please see the Aerial Site Location Map, enclosed. Specifically, the Project will involve the removal and replacement of approximately 3,400 linear feet of six-inch polyvinyl chloride (PVC) sanitary sewer lines with eight-inch PVC sanitary sewer lines and other necessary appurtenances. The sanitary sewer lines will be replaced in the same location within the existing rights of way in previously disturbed areas. Additionally, upgrades to the WWTP will include the construction of a new masonry brick building to house a new belt filter press and aeration system.

The United States Fish and Wildlife Service (USFWS) Information for Planning and Consultation (IPaC) software was reviewed for potential rare, threatened, and endangered (RTE) species habitat within the Project area. The IPaC listed seven RTE species that should be considered as part of an

Ms. Barbara Sargent July 1, 2021 Page 2 of 2

effects analysis for the Project: the Indiana bat (*Myotis sodalis*), the northern long-eared bat (NLEB, *Myotis septentrionalis*), clubshell (*Pleurobema clava*), fanshell (*Cyprogenia stegaria*), pink mucket (*Lampsilis abrupta*), sheepnose mussel (*Plethobasus cyphyus*), and snuffbox mussel (*Epioblasma triquetra*). The review indicated that the Project area is outside of any critical habitat. Please see the IPaC Report, enclosed.

No timbering will be required for this Project. Habitat within the project area primarily consists of impervious surfaces (roadways) and maintained residential lawns. No streams will be crossed or impacted for the Project. Construction and earth moving at the WWTP will occur within close proximity of the Ohio River. Best management practices and erosion and sediment controls will be utilized throughout the Project area to minimize downstream transportation of sediment. Publicly available Abandoned Mine Land and WV Department of Environmental Protection historical mining resources identified no portals within the Project area.

Thrasher is requesting an expedited review of the proposed Project as it relates to potential impacts to listed species. If any further documentation is required for this Project, or if any questions or concerns should arise, please feel free to contact me at (304) 326-6122 or igoudy@thethrashergroup.com.

Sincerely,

THE THRASHER GROUP, INC.

JEREMIAH GOUDY Environmental Scientist I

Enclosures (3):

USGS Site Location Map Aerial Site Location Map

IPaC Report



#### **DIVISION OF NATURAL RESOURCES**

Wildlife Resources Section Elkins Operations Center 738 Ward Rd., PO Box 67 Elkins, WV 26241 Telephone 304-637-0245 Fax 304-637-0250

Stephen S. McDaniel Director

July 12, 2021

RECEIVED

JUL 15 2021

THE THRASHER GROUP, INC.

Mr. Jeremiah Goudy The Thrasher Grou, Inc. 300 Association Drive Charleston, WV 25311

Dear Mr. Goudy:

We have reviewed Natural Heritage Program files for information on rare, threatened and endangered (RTE) species and sensitive habitats for the area of the proposed Phase II Sanitary Sewer Improvements project for the City of Paden City in Tyler and Wetzel counties, WV (Project #101-020-10082).

We have no known records of any RTE species or sensitive habitats within the project area. The Wildlife Resources Section knows of no surveys that have been conducted in the area for rare species or rare species habitat. Consequently, this response is based on information currently available and should not be considered a comprehensive survey of the area under review. This response is valid for two years.

The information provided above is the product of a database search and retrieval. This information does not satisfy other consultation or permitting requirements for disturbances to the natural resources of the state, and further consultation may be required. Additionally, any concurrence requirements for federally listed species must come from the US Fish and Wildlife Service.

Thank you for your inquiry, and should you have any questions please feel free to contact me at the above number, or barbara.d.sargent@wv.gov. Enclosed please find an invoice.

Sincerely

Barbara Sargent

Environmental Resources Specialist

**Environmental Coordination** 

**Operations Unit** 

enclosure



P.O. Box 247 • 709 Market Street • Parkersburg WV 26101 Phone: (304) 422-4993 • Fax: (304) 422-4998 **www.movrc.org** 

March 17, 2023

City of Paden City 208 West Main Street Paden City, WV 26159

SUBJECT: A-95 Review

City of Paden City – WWTP Upgrades Project USACE Funding Application - Section 219

Dear Mayor Kastigar,

The staff of the Mid-Ohio Valley Regional Council has reviewed the City's application to participate in the USACE Section 219 program for your WWTP Upgrades which include installation of a new mechanical dewatering system, additional blowers to provide aeration to the sludge holding tank, and a new building to house all necessary equipment. The project appears to be consistent with local and regional plans and objectives.

This review does not indicate any approval of funding or completeness of the application. Thank you for contacting MOVRC for this review and please advise if you need anything further.

Sincerely,

Luke Peters

Community Development Director Mid-Ohio Valley Regional Council

# APPENDIX C – WETLAND DELINEATION AND STREAM IDENTIFICATION REPORT



THRASHER PROJECT #101-020-10082

# WETLAND DELINEATION AND STREAM IDENTIFICATION REPORT

#### FOR THE

# PADEN CITY SANITARY SEWER SYSTEM IMPROVEMENTS PROJECT

# WETZEL COUNTY, WEST VIRGNIA

#### **PREPARED FOR:**

CITY OF PADEN CITY 208 W MAIN STREET PADEN CITY, WV 26159 (304) 337-2295

#### **PREPARED BY:**

THE THRASHER GROUP, INC. 300 ASSOCIATION DRIVE CHARLESTON, WV 25311 (304) 343-7601

February 2023

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1.0	INTRODUCTION	2
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2.0	METHODS	3
	2.1 Desktop Analysis	3
3.0	SUMMARY OF FINDINGS	4
	3.1 Desktop Analysis	4 4
4.0	CONCLUSION	5
5.0	REFERENCES	6



## **APPENDICES**

Appendix A - Project Mapping

- Figure 1: USGS Site Location Map
- Figure 2: NWI Map
- Figure 3: NRCS Soil Types Map
- Figure 4: Delineation Map

Appendix B - Wetland and Stream Photo Log

Appendix C – Wetland Determination Data Form



#### **EXECUTIVE SUMMARY**

The Thrasher Group, Inc. conducted both a desktop analysis as well as an onsite investigation of all aquatic resources for the City of Paden City in anticipation of the proposed Sanitary Sewer System Project located in the United States Geological Survey Paden City 7.5-minute quadrangle of Tyler and Wetzel Counties, West Virginia. The center of the site is located at Global Positioning System coordinates 39.607750° latitude and -80.936895° longitude.

The Thrasher Group, Inc. conducted desktop as well as onsite waterbody delineations. A field investigation of the area of interest was conducted on January 6, 2023. According to a review of the National Wetlands Inventory (NWI) Map for the site, as maintained by the United States Department of the Interior, Fish and Wildlife Service, and the EDR Radius Map Report, there are zero NWI mapped wetlands within the confines of the site.

A 1.91-acre environmental AOI, located in the Little Muskingum-Middle Island (HUC# 05030201) watershed was determined for the purpose of conducting the desktop and onsite environmental reviews of the Project area. No wetlands or streams were identified during field investigations.



#### 1.0 INTRODUCTION

The Thrasher Group, Inc. (Thrasher) conducted both a desktop analysis as well as an onsite investigation of all aquatic resources for the City of Paden City (City) Sanitary Sewer System Improvements Project (Project). Information contained in this report documents the City's due diligence in ensuring a thorough aquatic resources investigation was performed by Thrasher.

#### 1.1 Project Location and Description

The Project is located in the United States Geological Survey (USGS) Paden City 7.5-minute quadrangle of Tyler and Wetzel Counties, West Virginia (WV). The center of the site is located at Global Positioning System coordinates 39.607750° latitude and -80.936895° longitude. (Appendix A, Figure 1: USGS Site Location Map).

The Project is in anticipation of proposed sanitary sewer system project for the City.

#### 1.2 Climate/Site Conditions

Wetland and stream delineations of the AOI were conducted on January 6, 2023. Weather conditions during the wetland and stream delineations are listed in Table 1 below.

Table 1. Weather Conditions during wetland and stream delineations

Date	High Temperature ( F)	Low Temperature ( F)	Precipitation Amount (24 hour, inches)	Precipitation Amount (72 hours prior, inches)	Weather Conditions
January 6, 2023	40.8	36.3	0.01	2.62	Cloudy

The proposed AOI is situated on a valley bottom within the floodplain of the Ohio River.



# 2.0 METHODS

# 2.1 Desktop Analysis

Prior to field reconnaissance, a comprehensive desktop analysis of the Project area was completed and included the following information sources:

- USGS topographic mapping;
- United States Fish and Wildlife Service (USFWS) National Wetlands Inventory (NWI) data;
- United States Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) Soil Surveys; and
- Thrasher aerial mapping.

# 2.2 Field Investigation Methods

#### Wetlands

The presence or absence of wetlands was determined in the field using routine determination methods outlined in the *United States Army Corps of Engineers (USACE) Wetland Delineation Manual* (Environmental Laboratory, 1987) and the *Regional Supplemental to the Corps of Engineers Wetland Delineation Manual: Eastern Mountains and Piedmont Region* (2012). Using a three-parameter approach, wetland boundaries were determined where hydrophytic vegetation, hydric soils, and positive hydrology were confirmed present. All three criteria are required for a valid formal wetland determination unless a problematic condition is present. Soil borings were extracted from depths of 0 to 20 inches and identified using a *Munsell Soil Color Book* (2009). The percent aerial cover of dominant plants within each stratum of plant communities was estimated and their hydrophytic status was determined through the USACE National Wetland Plant List, version 3.5 (2020).

#### **Streams**

Streams were identified as having features in accordance to the Rapanos Memorandum (126 S. Ct. 2208 (2006), 33 U.S.C. §1251 et seq.). Features include, but are not limited to having a bed, bank and ordinary high-water mark (OHWM) ("Definition of Waters of the United States," 2012). Streams are typically subdivided into three categories based on the permanence or duration of flow: perennial, intermittent, or ephemeral. Streams (e.g., creeks, rivers, human-made ditches) were identified by visual observations of physical characteristics including the presence of a defined bed and bank, an OHWM, stream flow, substrate type and composition, and evidence of groundwater seepage.

# **Spatial Data Collection**

The spatial extent of features was recorded in the field using a Trimble Geo7X handheld global positioning system (GPS) unit equipped with Trimble R-Track® technology and capable of centimeter accuracy. Coordinates of vertices were recorded along the perimeter of each wetland, potential WOTUS, and other features identified during field investigations.



# 3.0 SUMMARY OF FINDINGS

# 3.1 Desktop Analysis

# **USGS Topographic Mapping**

The USGS 7.5-minute quadrangle of Paden City, WV, was reviewed to determine site locations and potential aquatic resources. Topographical features that indicate a potential for streams such as ravines or topographical depressions were identified on the USGS mapping (Appendix A, Figure 1: USGS Site Location Map).

#### **NWI Data**

According to a review of the NWI Map for the site, as maintained by the United States Department of the Interior, Fish and Wildlife Service, and the EDR Radius Map Report, there are zero NWI mapped wetlands within the confines of the site. (Appendix A, Figure 2: NWI Map).

## **NRCS Soil Survey**

Soil groups that have slow to very slow infiltration rates, in combination with local topography, can lead to the development of wetlands areas. According to an NRCS Web Soil Survey of the AOI, 100% of the AOI consists of Udorthents, smoothed. (Appendix A, Figure 3: Soil Types Map).

# **Aerial Mapping**

The prominent features within the AOI that can be seen from aerial mapping is a developed area that contains infrastructure associated with the WWTP.

# 3.2 Field Investigation Findings

During field investigations, no potentially jurisdictional wetlands or streams were identified within and adjacent to the AOI. Please see Figure 4: Delineation Map in Appendix A and the Wetland and Stream Delineation Photo Log in Appendix B. Descriptions and tables of the identified aquatic resources can be found in Section 3.2 below.

#### Wetlands

No wetlands were identified within the Project AOI.

# **Streams**

No streams were identified within the Project AOI.



# 4.0 CONCLUSION

All aquatic features delineated within the proposed Project study area are potentially subject to USACE jurisdiction under Section 404 of the Clean Water Act (CWA) and Section 10 of the Rivers and Harbors Act, and to WV Department of Environmental Protection (WV DEP) jurisdiction under Section 401 of the CWA. The scope of this delineation effort was to ascertain the presence or absence of potentially jurisdictional areas.

On January 6, 2023, Thrasher environmental scientists conducted a delineation of potential WOTUS including wetlands and streams, within the Project AOI for the proposed Project located in Wetzel County, WV. Thrasher determined that there are no jurisdictional wetlands or streams within the Project AOI. All determinations are subject to USACE and WV DEP agreeance.



# 5.0 REFERENCES

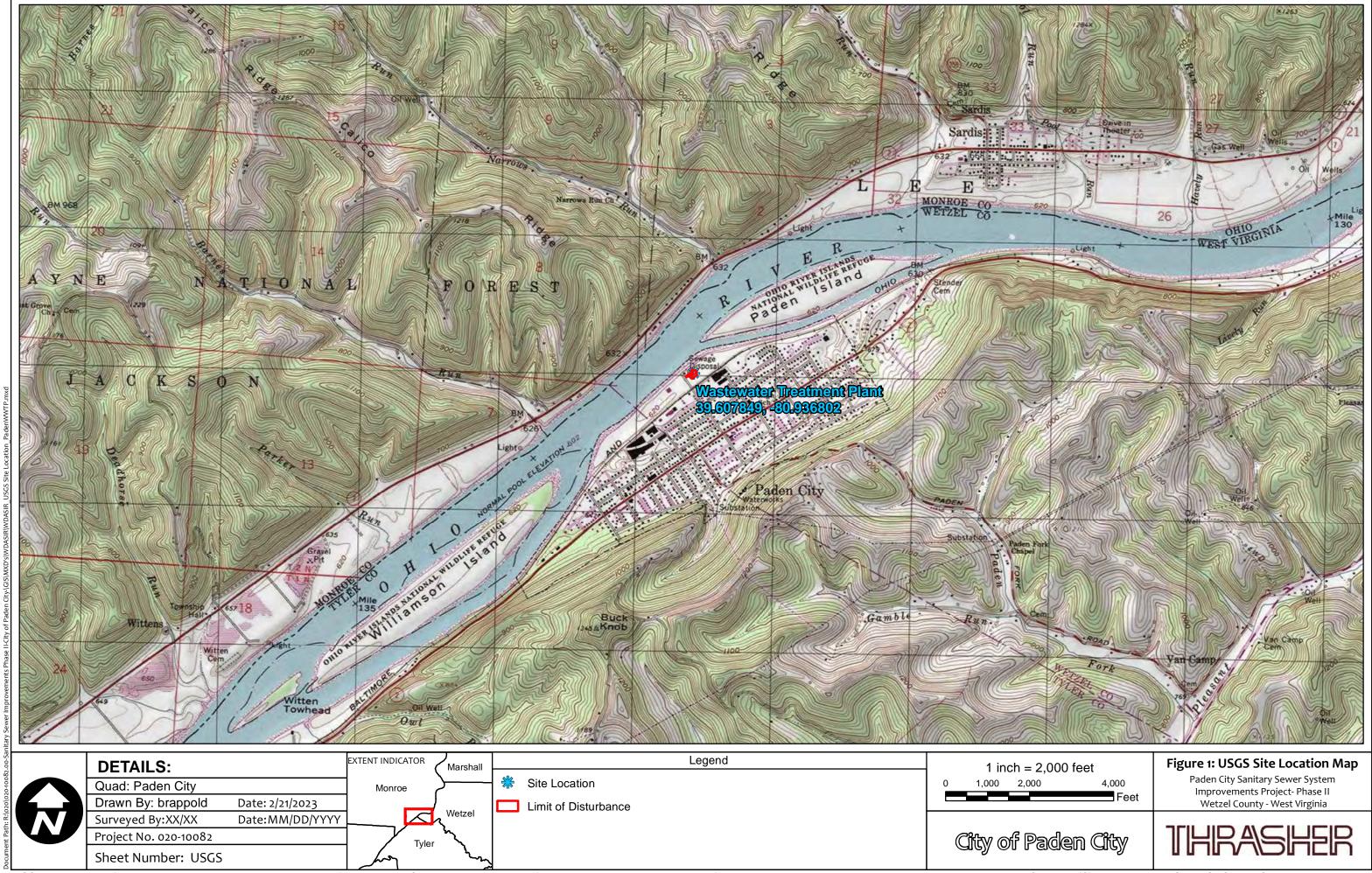
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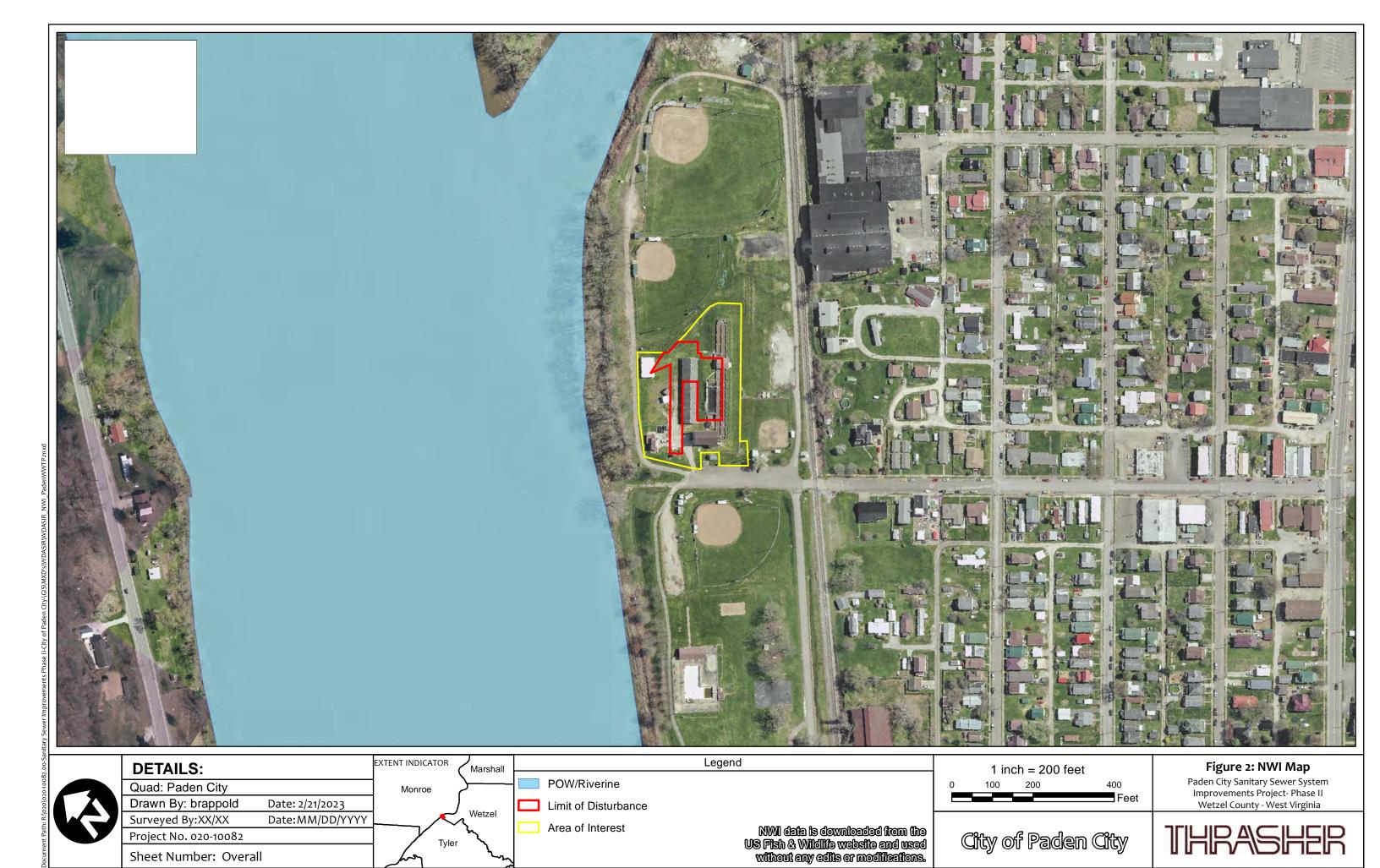


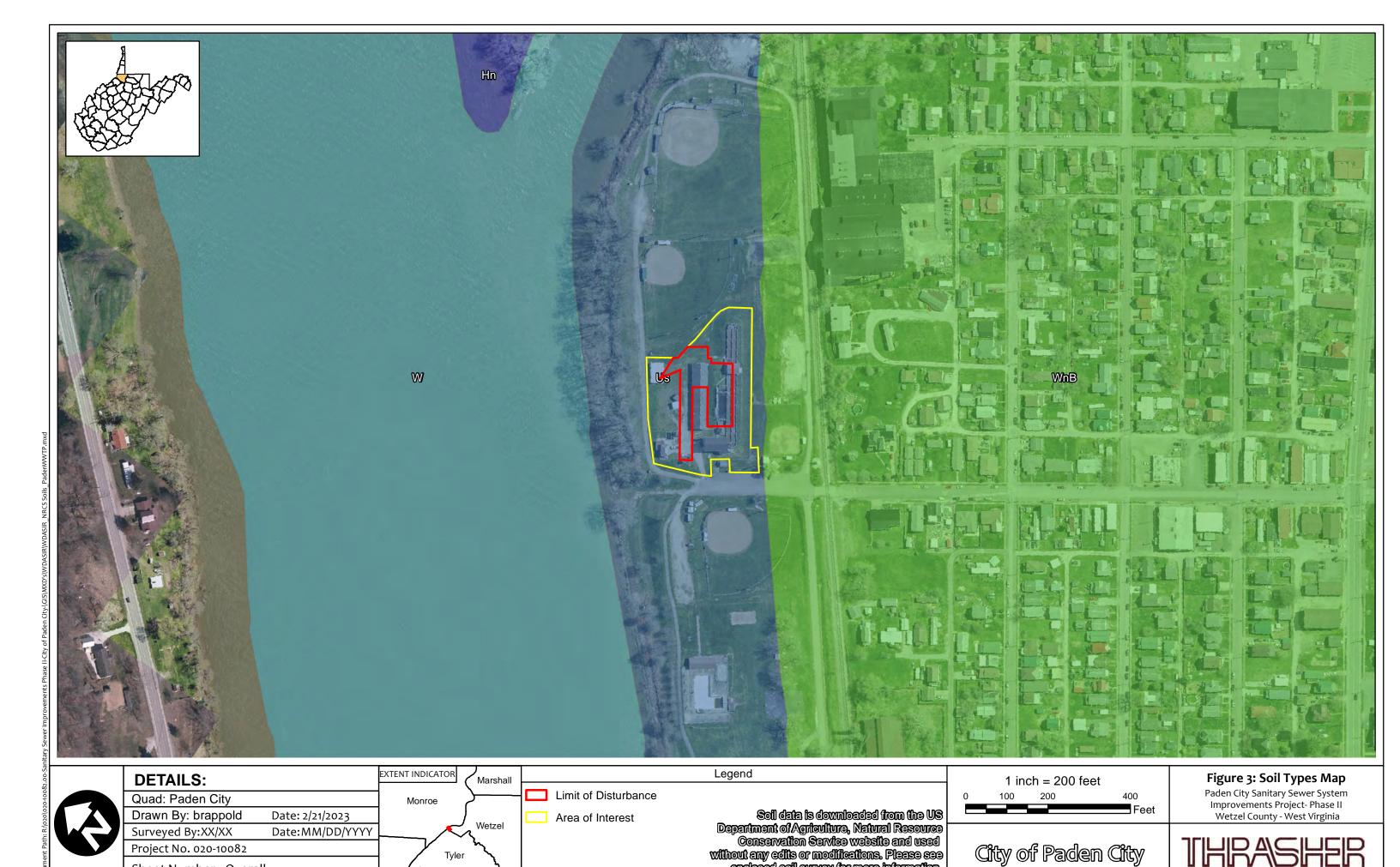
# **APPENDIX A**

# **PROJECT MAPPING**

FIGURE 1: USGS SITE LOCATION MAP
FIGURE 2: NWI MAP
FIGURE 3: SOIL TYPES MAP
FIGURE 4: DELINEATION MAP

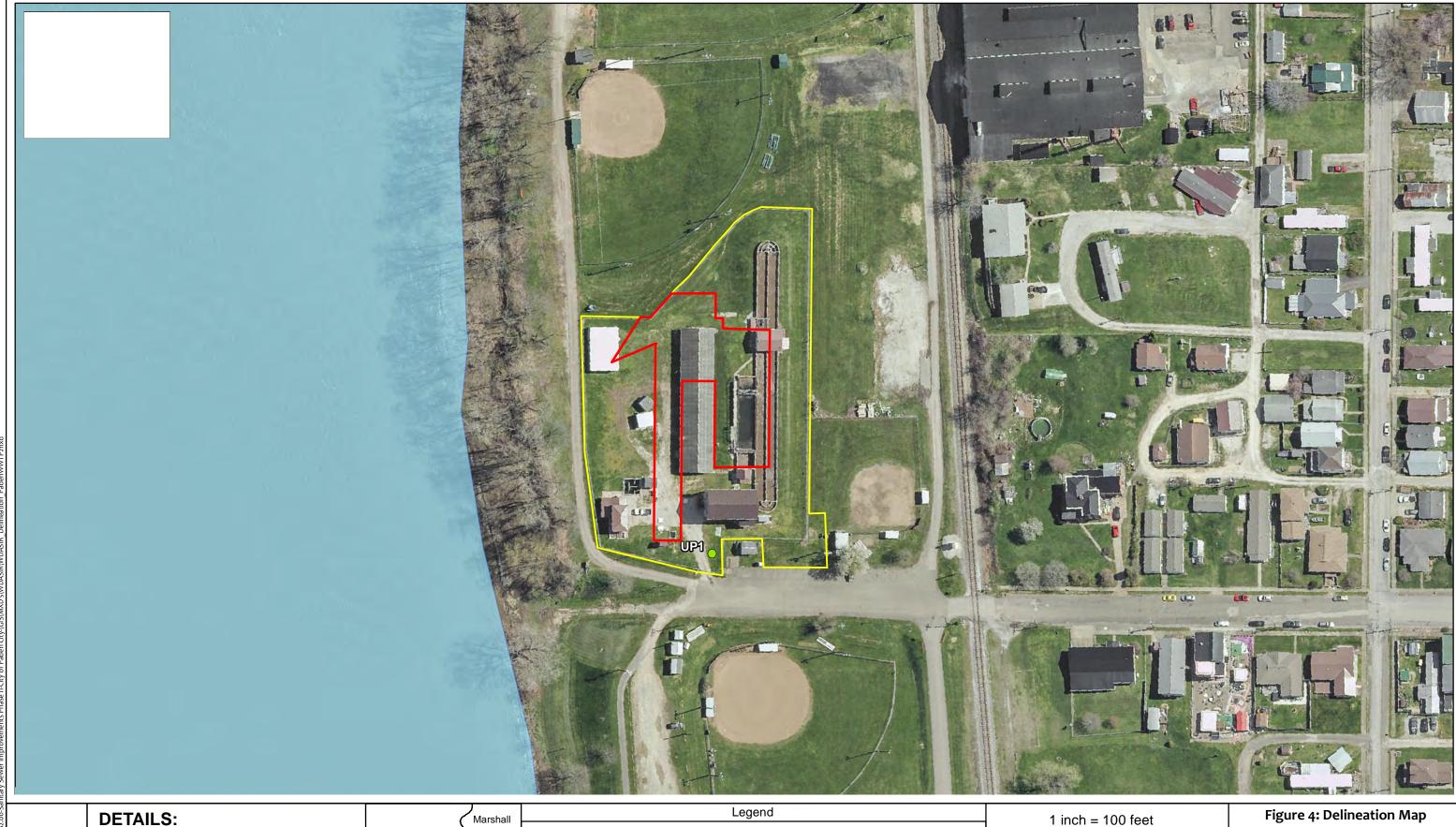






Sheet Number: Overall

enclosed soil survey for more information.





Quad: Paden City Drawn By: brappold Date: 2/21/2023 Date:MM/DD/YYYY Surveyed By:XX/XX Project No. 020-10082 Sheet Number: Overall

Monroe Wetzel Upland Data Point

POW/Riverine Limit of Disturbance Area of Interest

NVVI data is downloaded from the US Fish & Wildlife website and used

without any edits or modifications.

200

City of Paden City

Paden City Sanitary Sewer System Improvements Project- Phase II Wetzel County - West Virginia



# **APPENDIX B**

WETLAND AND STREAM DELINEATION PHOTO LOG



Photograph # 1 Upland 1 – Test Pit



Photograph # 2 Upland 1 – Soil profile



Photograph # 3 Upland 1 – Facing North



Photograph # 4 Upland 1 – Facing East

# <u>City of Paden City</u> Paden City Sanitary Sewer System Improvements Project

Wetland and Stream Delineation Photo Log Delineation Date: January 6, 2023.



Photograph # 5 Upland 1 – Facing South



Photograph # 6 Upland 1 – Facing West

<u>City of Paden City</u> Paden City Sanitary Sewer System Improvements Project

Wetland and Stream Delineation Photo Log Delineation Date: January 6, 2023.



# **APPENDIX C**

# WETLAND DETERMINATION DATA FORM

# WETLAND DETERMINATION DATA FORM – Eastern Mountains and Piedmont Region

Project/Site: 020-10082 - Paden City WWTP	City/Cr	ounty: Paden City, We	etzel	_ Sampling Date: 01/06/2023
Applicant/Owner: City of Paden City			State: WV	Sampling Point: UP-1
• •	Section	n, Township, Range: N/	A	<u> </u>
Landform (hillslope, terrace, etc.): floodplain				Slope (%): 0-1
Subregion (LRR or MLRA): LRR N Lat:	2000110110 . 39.607483°	Long: -80.	937356°	clope (70):
Soil Map Unit Name: Us - Udorthents, smoothed	-	Long	NIM/L aloosifi	Datum
Are climatic / hydrologic conditions on the site typical for	- this times of wear 2 V	X N-	INVVI CIASSIII	Damaria \
Are Vegetation, Soil, or Hydrology				
Are Vegetation, Soil, or Hydrology	naturally problema	tic? (If needed, e	explain any answ	ers in Remarks.)
SUMMARY OF FINDINGS – Attach site m	nap showing sam	pling point location	ons, transect	s, important features, etc.
Hydrophytic Vegetation Present? Yes	NoX			
Hydric Soil Present? Yes	No X	Is the Sampled Area within a Wetland?	Vos	NoX
Wetland Hydrology Present? Yes	NoX	within a wetiand:	163	
Remarks:				
Data point was taken in a representa	ative area in the	e field near the V	VWTP.	
·				
HYDROLOGY				
Wetland Hydrology Indicators:			· · ·	eators (minimum of two required)
Primary Indicators (minimum of one is required; check				I Cracks (B6)
	True Aquatic Plants (E	·		egetated Concave Surface (B8)
	Hydrogen Sulfide Odd			atterns (B10)
Saturation (A3)	•	es on Living Roots (C3)	Moss Trim I	` '
\L	Presence of Reduced	` '	I I '	Water Table (C2)
	Recent Iron Reduction		Crayfish Bu	
	Thin Muck Surface (C	,	1 1	/isible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	Other (Explain in Rem	iarks)		Stressed Plants (D1)
Iron Deposits (B5)			_ '	c Position (D2)
Inundation Visible on Aerial Imagery (B7)			Shallow Aq	
Water-Stained Leaves (B9)			FAC-Neutra	raphic Relief (D4)
Aquatic Fauna (B13) Field Observations:			FAC-Neutra	ar rest (D3)
	_ Depth (inches):			
	Depth (inches):			
	Depth (inches):		Ivdroloav Prese	ent? Yes NoX
(includes capillary fringe)				
Describe Recorded Data (stream gauge, monitoring v Aerial imagery	vell, aerial photos, prev	vious inspections), if ava	ılable:	
Remarks:				
No wetland hydrology indicators wei	re observed du	ring field investig	ation.	
, and the state of		9	,	

# **VEGETATION** (Four Strata) – Use scientific names of plants.

GETATION (Four Strata) – Use scientific names of plants.					Sampling Point: UP-1			
00		Absolute	Dominant I		Dominance Test worksheet:			
4	)		Species?		Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)			
2					Total Number of Dominant Species Across All Strata: 3 (B)			
4					Percent of Dominant Species			
5 5					That Are OBL, FACW, or FAC: 0.0 (A/E			
7					Prevalence Index worksheet:			
			= Total Cove	r	Total % Cover of: Multiply by:			
	50% of total cover:	20% of	f total cover:_		OBL species x 1 =			
Sapling/Shrub Stratum (Plot size	ze: 15				FACW species x 2 =			
l					FAC species x 3 =			
2					FACU species 100 x 4 = 400			
					UPL species x 5 =			
3					Column Totals: 100 (A) 400 (B)			
1								
5					Prevalence Index = $B/A = 4.00$			
6					Hydrophytic Vegetation Indicators:			
7					1 - Rapid Test for Hydrophytic Vegetation			
8					2 - Dominance Test is >50%			
9					3 - Prevalence Index is ≤3.0 <sup>1</sup>			
			= Total Cove	r	4 - Morphological Adaptations <sup>1</sup> (Provide supporting			
	50% of total cover:	20% of	f total cover:_					
Herb Stratum (Plot size: 5	)				data in Remarks or on a separate sheet)			
1. Lolium perenne		50	Υ	FACU	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)			
2. Glechoma hederacea		30	Υ	FACU				
T.76.12		20	Y	FACU	<sup>1</sup> Indicators of hydric soil and wetland hydrology must			
			· <del></del>		be present, unless disturbed or problematic.			
4					Definitions of Four Vegetation Strata:			
5					Tree – Woody plants, excluding vines, 3 in. (7.6 cm) of			
6					more in diameter at breast height (DBH), regardless of			
7					height.			
8		_			Sapling/Shrub – Woody plants, excluding vines, less			
9					than 3 in. DBH and greater than or equal to 3.28 ft (1			
10					m) tall.			
11					Houte All books account (account of the books account of			
			= Total Cove		<b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.			
	50% of total cover:				or oregin and modely prame root train ore in tam			
Woody Vine Stratum (Plot size		2070 0.	101a1 00101		<b>Woody vine</b> – All woody vines greater than 3.28 ft in			
	,				height.			
1								
2								
3								
4					Hydrophytic			
5					Vegetation			
			= Total Cove	r	Present? Yes NoX			
	50% of total cover:	20% of	f total cover:_					
Remarks: (Include photo numb	ers here or on a separate	sheet.)			I.			
			ominanc	e Tes	t or the Prevalence Index.			

Sampling Point: UP-1

Profile Desc	ription: (Describe	to the dept	h needed to docun	nent the i	ndicator	or confirm	the absence	of indicate	ors.)	
Depth	Matrix		Redox Features							
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture		Remarks	
0-9	10 YR 3/4	100					Silt loam	Potentia	I fill materia	al
	·-									
	-	. ———								
	oncentration, D=Dep	letion, RM=	Reduced Matrix, MS	S=Masked	Sand Gra	ains.	<sup>2</sup> Location: P			
Hydric Soil	ndicators:						<u>Ind</u> ic	ators for Pr	roblematic H	Hydric Soils³:
L Histosol	(A1)		Dark Surface	(S7)			2	cm Muck (A	A10) <b>(MLRA</b>	147)
	pipedon (A2)		Polyvalue Be		ce (S8) <b>(N</b>	ILRA 147,	148)	Coast Prairie	Redox (A16	5)
Black Hi			Thin Dark Su					(MLRA 14	7, 148)	
	n Sulfide (A4)		Loamy Gleye			, ,	F	•	odplain Soil	s (F19)
	Layers (A5)		Depleted Mat		,			(MLRA 13		` ,
1 1	ck (A10) (LRR N)		Redox Dark	, ,	6)		⊢ Fi√		/ Dark Surfac	ce (TF12)
	Below Dark Surfac	e (A11)	Depleted Dar	,	,				in in Remark	
	ark Surface (A12)	,	Redox Depre					` '		,
	lucky Mineral (S1) (I	LRR N.	Iron-Mangan			RR N.				
	147, 148)	,	MLRA 13		, ,	,				
	leyed Matrix (S4)		Umbric Surfa	-	MLRA 13	6. 122)	<sup>3</sup> Inc	licators of h	vdrophytic ve	egetation and
	edox (S5)		Piedmont Flo						logy must be	-
	Matrix (S6)		Red Parent N						ed or proble	
	ayer (if observed)		rtou i alont n	iatoriai (i i	e i ) (iviLit	· 127, 1-7	, an	ilogo diotarb	ca or probler	natio.
Type: Ro		•								
										~
Depth (inc	ches): 9						Hydric Soil	Present?	Yes	NoX
Remarks:										
N	o hydric soil i	ndicator	s were observ	ved du	ring fie	id inve	stigation.			

# APPENDIX D: PHASE 1 ARCHAEOLOGICAL SURVEY REPORT



# Phase I Archaeological Survey for the Proposed Upgrades to the Wastewater Treatment Plant in Paden City, Wetzel County, West Virginia

Seth T. Cooper Justin Fryer

March 18, 2024

P.O. Box 6005 Wheeling, WV 26003 Phone:304-281-0445 www.wellercrm.com

# Phase I Archaeological Survey for the Proposed Upgrades to the Wastewater Treatment Plant in Paden City, Wetzel County, West Virginia

By

Seth T. Cooper Justin Fryer

Submitted By:

Seth T. Cooper, P.I. Weller & Associates, Inc. P.O. Box 6005 Wheeling, West Virginia 26003 304-281-0445

Prepared for:

The Thrasher Group 1000 Corporate Landing Charleston, WV 25311

Lead Agency:

**United States Army Corp of Engineers-Pittsburgh District** 

Seth T. Cooper

Seth T. Cooper, P.I.

March 18, 2024

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WV-219

# **Abstract**

In March of 2023, Weller & Associates, Inc. (Weller) conducted a Phase I Archaeological Survey for the proposed Upgrades to the Wastewater Treatment Plant in Paden City, Wetzel County, West Virginia. The work was performed under contract with the Thrasher Group. The lead agency is the United States Army Corp of Engineers-Pittsburgh District (ACOE).

The proposed project involves upgrading the existing wastewater treatment plant (WWTP) to improve sanitary sewer service to Paden City and surrounding areas. The project will construct a sludge dewatering building with a sludge belt filter press, upgrade the existing aeriation system, and purchase a new dump truck for sludge hauling. The proposed limits of disturbance (LOD) encompass an area approximately 0.2 hectare (ha) (0.5 acres [ac]). The depth of the project disturbance will range from 4 to 6 feet. The topography consists of a flat floodplain terrace of the Ohio River.

The literature review study area and the Area of Potential Effects (APE) for visual effects are defined as a 1.6 km (1 mi) radius from the center of the project. There have been three professional surveys conducted in the study area, but none are within the project area. There are three archaeological sites recorded in the study area and none are in the project area. There is one historic property recorded in the study area, but it is not in the project area. There are no cemeteries or NRHP properties/districts recorded in the study area.

Fieldwork for this investigation included visual inspection, the excavation of shovel tests, and bucket auguring. Visual inspection of the project area indicated that some portions of the LOD were noticeably built up and heavily disturbed from prior construction activities. Shovel tests were excavated where possible to confirm the level of disturbance. While some of these shovel tests did confirm heavy disturbances and fill layers, some areas were found to contain intact soil horizons beneath the fill. No artifacts, features, or cultural horizons were identified in these shovel tests and augurs.

Therefore, it is Weller's opinion that the proposed project will have no effect on archaeological resources that are eligible for inclusion on the NRHP. No further work is recommended. If during construction activities cultural artifacts or human remains are found all ground disturbing activities should cease immediately until the WVSHPO is notified.

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# Introduction

In March of 2023, Weller & Associates, Inc. (Weller) conducted a Phase I Archaeological Survey for the proposed Upgrades to the Wastewater Treatment Plant in Paden City, Wetzel County, West Virginia. The work was performed under contract with the Thrasher Group. The lead agency is the United States Army Corp of Engineers-Pittsburgh District (ACOE). A cultural resources management (CRM) survey was deemed necessary to identify any sites or properties and to evaluate them for the National Register of Historic Places (NRHP) pursuant to Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C. 470 [36 CFR 800]). This report summarizes the results of the fieldwork and literature review. The report format and design are similar to that established in *Guidelines for Phase I, II, and III Archaeological Investigations and Technical Report Preparation* (Trader 2001). No archaeological sites were identified as a result of this investigation, as such, this report utilizes the short report format that is detailed in the West Virginia Guidelines for Phase I, II, and III Archaeological Investigations and Technical Reports (Trader 2001).

The proposed project involves upgrading the existing wastewater treatment plant (WWTP) to improve sanitary sewer service to Paden City and surrounding areas. The project will construct a sludge dewatering building with a sludge belt filter press, upgrade the existing aeriation system, and purchase a new dump truck for sludge hauling. The proposed limits of disturbance (LOD) encompass an area approximately 0.2 hectare (ha) (0.5 acres [ac]). The depth of the proposed activities ranges from 4 to 6 feet. The topography consists of a flat floodplain terrace of the Ohio River.

The fieldwork was conducted by Jamie Vosvick and Trevor Howell on March 7, 2023. The weather was sunny and with high temperatures around 60° F. The Principal Investigator for this project was Seth T. Cooper. Justin Fryer served as the primary author, conducted the literature review, and was responsible for the figures.

# **Environmental Setting**

#### Climate

Wetzel County has cold, snowy, and cloudy winters and is fairly warm and humid in the summer. During the winter months of December, January, and February, the average low temperature is in the mid-30s (Fahrenheit). The temperature during the summer months averages the mid-70s° F. The annual precipitation of the county is approximately 43 in. In November, the average precipitation is 2.8 in., while in July the average precipitation is 4.5 in. (United States Department of Agriculture, Soil Conservation Service [USDA, SCS] 1995).

# Physiography, Relief and Drainage

Most of Wetzel County is hilly and sloped. The county drains into the Ohio River through several tributaries such as West Virginia Fork Fish Creek, Fish Creek, Proctor

Creek, and various associated tributaries (USDA, SCS 1995). The project is drained by the Ohio River.

# Geology

The geological bedrock of the Wetzel County, including the project, consists of sedimentary rock. The sedimentary bedrocks in the county are part of the Pennsylvanian and Permian systems and consist of sandstone, coal, limestone, and shale (USDA, SCS 1995). These are associated with the Dunkard Group, which seems to be susceptible to erosion. The soils in the county are formed from underlying bedrock as parent materials.

#### Soils

There is one specific soils series within the project (USDA, SCS 1995). This soil, Udorthents (Us), is a man-made fill deposition.

### Flora and Fauna

The Pleistocene-Holocene environment for this region of West Virginia was characterized as a mixed hardwoods forest region (Delcourt and Delcourt 1980). The first European settlers in the region encountered an environment which had become established ca. 8,000 B.P. and remained essentially unchanged until their arrival. The predominant trees were oak, poplar, chestnut, spruce, maple, and hemlock; but less dominant species such as ash, blackgum, black walnut, sycamore, elm, beech, cherry, and butternut were also found. Shrubs included sumac, elder, pawpaw, dogwood, haw, sassafras, hazel, crab apple, redbud, laurel, and rhododendron. There were wild fruits such as blackberries, strawberries, service berries, cherries, haws, mulberries, raspberries, grapes, plums, crab apples, elderberries, huckleberries, and teaberries (Miller 1969). Most early settlers used the land primarily to grow the crops necessary to sustain themselves and their families.

Fauna encountered by these first settlers included bison, bear, deer, elk, panthers, wolves, wildcats, foxes, raccoons, beavers, opossums, skunks, otters, minks, muskrats, squirrels, rabbits, and woodchucks (Miller 1969).

# **Research Design**

The purpose of this Phase I survey is to locate and identify cultural resources that will be affected by the planned construction activities within the APE. Once these resources are identified, they are evaluated for their eligibility to the NRHP. The literature review aspect of these investigations is to answer or address the following questions:

1) Did the literature review reveal anything that suggests the project will impact previously recorded resources, and what is the relationship of previously recorded properties to the project?

2) Are cultural resources likely to be encountered in the APE?

# Archaeological Field Methods

Field methods utilized by Weller during this survey consisted of shovel test excavation, bucket augers, and visual inspection. The following is a brief description of these methods.

Shovel tests. This method was utilized in areas where ground surface visibility was less than 20 percent. Shovel tests were 50 centimeters (cm) by 50 cm in size and were excavated at 15-meter (m) intervals. The soil from these shovel tests was screened through 0.25-inch hardware mesh cloth. Excavation of the shovel tests terminated when either 10 cm of sterile subsoil had been excavated, or if subsoil was not encountered in the shovel test, then at 50 cm. A record was kept for all shovel tests excavated. This record included soil profile, soil texture, soil color (Munsell), and the presence /absence of cultural materials. After excavation of the shovel test was complete, a representative profile was drawn in each area which showed the depth of the shovel test and the stratigraphy. If a shovel test contained cultural artifacts, then radial shovel tests will be excavated at 5-meter (m) intervals within the project boundaries.

Bucket Augers: Because portions of the project area are situated within floodplain landforms, an assessment of the potential for buried cultural deposits was incorporated into the Phase I Investigation. All bucket augers were placed at the base of an existing shovel probe if intact subsoil was not encountered during the excavation of that shovel probe. Excavation of the bucket auger, if possible, exceeded the depth of the proposed construction activities or water table. Augers were excavated and screened through .25-inch hardware mesh in 10 cm levels in order to ascertain the absence/presence of cultural materials and/or buried soil horizons. Soil color, texture, and other physical properties were recorded for each level on standardized forms.

Visual inspection. All of the APE was visually inspected. This consisted of a walkover with the intention to locate disturbed areas, as well as potential structure remnants, dumps, etc. During the visual inspection, it can also be sometimes determined whether soil disturbances may be present by the identification of existing utility markers and old two track roadbeds. Additional project pertinent information that can be ascertained and useful consists of tree growth age and varying types of ground cover such as specific flower/plant types which are present and may be associated with past historic activities.

The application of the resulting field survey methods was documented in field notes, field maps, and project plan maps.

#### Curation

All field notes and photographs will eventually be permanently curated at the Grave Creek Archaeological Collections Facility in Moundsville, West Virginia at an undetermined date.

# **Literature Review**

The literature review was initiated by Justin Fryer on March 6, 2023. This review consisted of the examination of the records maintained on the West Virginia State Historic Preservation Office (WVSHPO) online database for an area extending 1.0 mile from the project center line. This information included cultural resource management reports, topographic maps, site forms, cemetery files, and National Register of Historic Places (NRHP) files (Figure 4).

The literature indicated that there have been three professional surveys conducted within the study area, none of which are within the project area (Table 1). Two of these surveys are associated with islands in the Ohio River (Fowler 1974 and Diamenti et al. 1998). The third survey was for a water system improvement project (Cooper 2020).

Table 1. Previous Archaeological Surveys Recorded in the Study Area.						
<u>FR #</u>	<u>Type</u>	<u>In</u> Project	<u>Author</u>			
RR-6-MULTI	Archaeological Survey of Willow Island Locks and Dam	N	Fowler 1974			
98-763-MULTI	Archaeological Reconnaissance/Phase I Ohio River Islands	N	Diamanti et al. 1998			
18-743-MULTI- 3	Phase I Water System Improvement	N	Cooper 2020			

A review of the archaeological site location map showed that there are three sites within the study area, but none are in the project area (Table 2).

Table 2. Archaeological Sites Recorded in the Study Area.							
Site #	General Affiliation	Temporal Affiliation	Site Type	In Project			
46-TY-19	Prehistoric	Unassigned	Lithic Scatter	N			
46-WZ-62	Prehistoric	Woodland	Open Air Habitation	N			
46-TY-1	Prehistoric	Unknown	Mound	N			

An examination of Historic Property Inventory files indicated the presence of one architectural site within the study area, but it is not in the project area. This property, HPI # WZ-0090, is a Folk Victorian residence that was built in 1830 and 1870 located at 417 West Main Street. There are also four previous architecture surveys recorded in the study area (RMU-03 [Adkins and Gillenwater 1989]; RTY-09 [JMT 2018]; RTY-11 [Williams and Ricketts 2020]; and RWZ-04 [JMT 2018a]). Survey RWZ-04 encompasses the entirety of the project area. This was a historic resources survey of Wetzel County.

There are no cemeteries or NRHP properties/districts recorded in the study area.

A review of the USGS 1906 New Martinsville, West Virginia 15 Minute Series (Topographic) map does not indicate any structures within the project area (Figure 5). A review of the USGS 1979 Paden City, West Virginia 7.5 Minute Series (Topographic) map depicts one structure within the project area (Figure 2). This structure and the adjacent buildings are associated with a sewage disposal facility.

# Evaluation of Research Questions 1 and 2

There were two questions presented in the research design that will be addressed at this point. These are:

- 1) Did the literature review reveal anything that suggests the project will impact previously recorded resources, and what is the relationship of previously recorded properties to the APE?
- 2) Are cultural resources likely to be identified in the APE?

No parts of the project area have been subjected to previous survey. There are three sites recorded in the study area, however, the entirety of the project is confined within an existing sewage facility. The presence of intact soil is possible, but unlikely, making the presence of prehistoric artifacts with context also unlikely. Due to the presence of structures in the project area on modern topographic maps, the presence of historic artifacts is possible, although the structures are most likely modern and related to the existing sewage facility.

# Fieldwork Results

The fieldwork was conducted by Jamie Vosvick and Trevor Howell on March 7, 2023 (Figures 6-15). The weather was sunny and with high temperatures around  $60^{\circ}$  F. The fieldwork involved shovel tests, bucket augers, and visual inspection. These investigations did not result in the identification of any archaeological sites.

The proposed project involves upgrading the existing wastewater treatment plant (WWTP) to improve sanitary sewer service to Paden City and surrounding areas. The project will construct a sludge dewatering building with a sludge belt filter press, upgrade the existing aeriation system, and purchase a new dump truck for sludge hauling. The proposed limits of disturbance (LOD) encompass an area approximately 0.2 hectare (ha) (0.5 acres [ac]). The depth of the proposed activities ranges from 4 to 6 feet. The topography consists of a flat floodplain terrace of the Ohio River.

A large portion of the project was found to be heavily disturbed due to an existing facility, impenetrable gravel, and a large gravel berm (Figures 6-8, 10, and 12-13). Only two small areas within the project were suitable for shovel testing (Figures 6, 9, and 11). Shovel tests within the northern portion of the project area were found to be intact under a layer of disturbed soils. There was a total of six shovel tests excavated in the project

area, three of which were disturbed. Intact soils were identified in three shovel tests under disturbance and were bucket augured. These shovel tests typically displayed a profile of fill soils and rock overlying an intact horizon consisting of a dark gray (10YR4/2) silty clay loam (Figure 14). The depth of the fill layer ranged from 15 cm to 30 cm. These intact shovel tests were bucket augured to the proposed project depth of disturbance of 6 feet. No artifacts, cultural horizons, or cultural features were identified in these shovel tests.

Disturbed shovel tests typically displayed an impenetrable layer of fill soils and rock (Figure 15). These shovel tests were typically within built up areas from previous construction activities such as the existing earthen median in the center of the project. These shovel tests could not be excavated to the proposed project depth of disturbance due to the impenetrable layers of fill and rock.

# **APE Definition and NRHP Determination**

The APE is a term that must be applied on an individual project basis. The nature of the project or undertaking is considered in determining the APE. This may include areas that are off the property or outside of the actual project's boundaries to account for possible visual impacts. When construction is limited to underground activity, the APE may be contained within the footprint of the project area. The APE for this project includes the footprint of the project and a limited area surrounding it as this document is pertinent to the archaeological component of the cultural resource's investigation.

No archaeological sites were identified during the field reconnaissance for this project. The archaeological APE for this project is considered to be the footprint of the development. The undertaking is considered to have no effect on historic properties or landmarks.

### Recommendations

In March of 2023, Weller & Associates, Inc. conducted a Phase I Archaeological Survey for the proposed Upgrades to the Wastewater Treatment Plant in Paden City, Wetzel County, West Virginia. Fieldwork for this investigation included visual inspection, the excavation of shovel tests, and bucket auguring. Visual inspection of the project area indicated that some portions of the LOD were noticeably built up and heavily disturbed from prior construction activities. Shovel tests were excavated where possible to confirm the level of disturbance. While some of these shovel tests did confirm heavy disturbances and fill layers, some areas were found to contain intact soil horizons beneath the fill. No artifacts, features, or cultural horizons were identified in these shovel tests.

Therefore, it is Weller's opinion that the proposed project will have no effect on archaeological resources that are eligible for inclusion on the NRHP. No further work is recommended. If during construction activities cultural artifacts or human remains are found all ground disturbing activities should cease immediately until the WVSHPO is notified.

### **References Cited**

## Adkins, H.G. and M.H. Gillenwater

1989 *The Ohio River Navigation Light Survey*. Copy available for review at the West Virginia Department of Culture and History, Charleston.

# Cooper, S.T.

2020 Phase I Archaeological Survey for the Proposed Paden City Water System Improvements Project in Wetzel and Tyler Counties, West Virginia. Copy available for review at the West Virginia Department of Culture and History, Charleston.

# Delcourt, P. A., and H. R. Delcourt

1980 Vegetation Maps for Eastern North America: 40,000 B.P. to the Present. In Geobotany II, edited by R. C. Romans, pp. 123-165. Plenum Press, New York.

# Diamanti, M., J. Stiteler, and J. Pollack

1998 Archaeological Reconnaissance of Ohio River Islands National Wildlife Refuge in Pennsylvania, West Virginia, and Kentucky and Phase I Archaeological Survey of Manchester Island No. 2, Kentucky. Copy available for review at the West Virginia Department of Culture and History, Charleston.

# Fowler, D.B.

1974 Archeological Survey of Willow Island Locks and Dam, Ohio River: Pleasants, Tyler, and Wetzel Counties, West Virginia. Copy available for review at the West Virginia Department of Culture and History, Charleston.

#### JMT

2018 *Historic Resources Survey of Tyler County*. Copy available for review at the West Virginia Department of Culture and History.

2018a *Historic Resources Survey of Wetzel County*. Copy available for review at the West Virginia Department of Culture and History, Charleston.

#### Miller, S. N.

1969 Annals of Webster County, West Virginia Before and Since Organization, 1860. Sampson N. Miller, West Virginia.

## Trader, P.

2001 Guidelines for Phase I, II, and III Archaeological Investigations and Technical Report Preparation. West Virginia State Historic Preservation Office, Charleston, West Virginia.

United States Department of Agriculture, Soil Conservation Service

1995 Soil Survey of Wetzel County, West Virginia. Soil Conservation Service, U. S. Department of Agriculture, Washington, D. C., in cooperation with the West Virginia University Agricultural Experiment Station.

# Williams, E.H. and L.C. Ricketts

2020 Final Historic Resources Survey of Tyler County, West Virginia. Copy available for review at the West Virginia Department of Culture and History, Charleston.

Figures

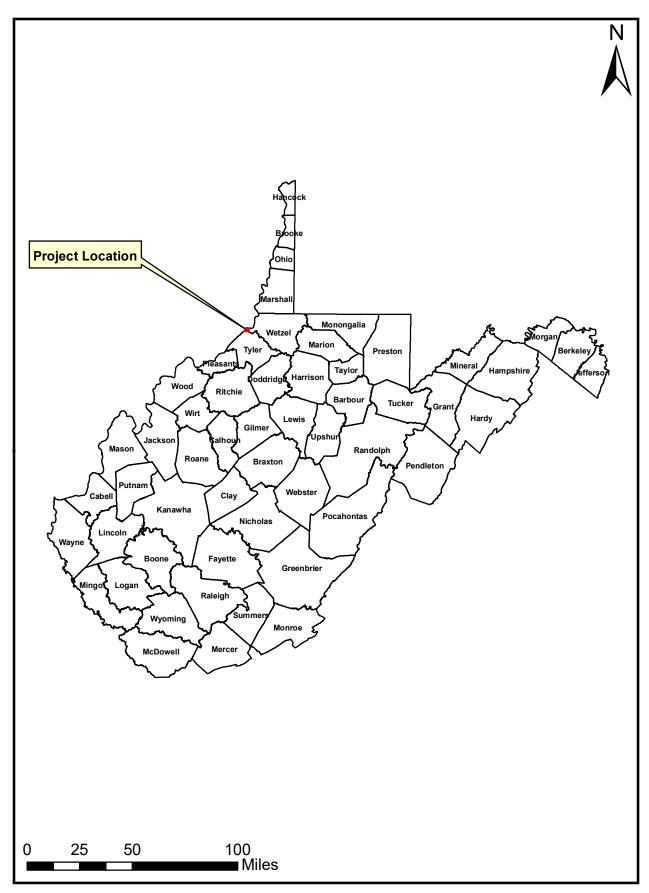


Figure 1. Map of West Virginia showing county boundaries and the project area.

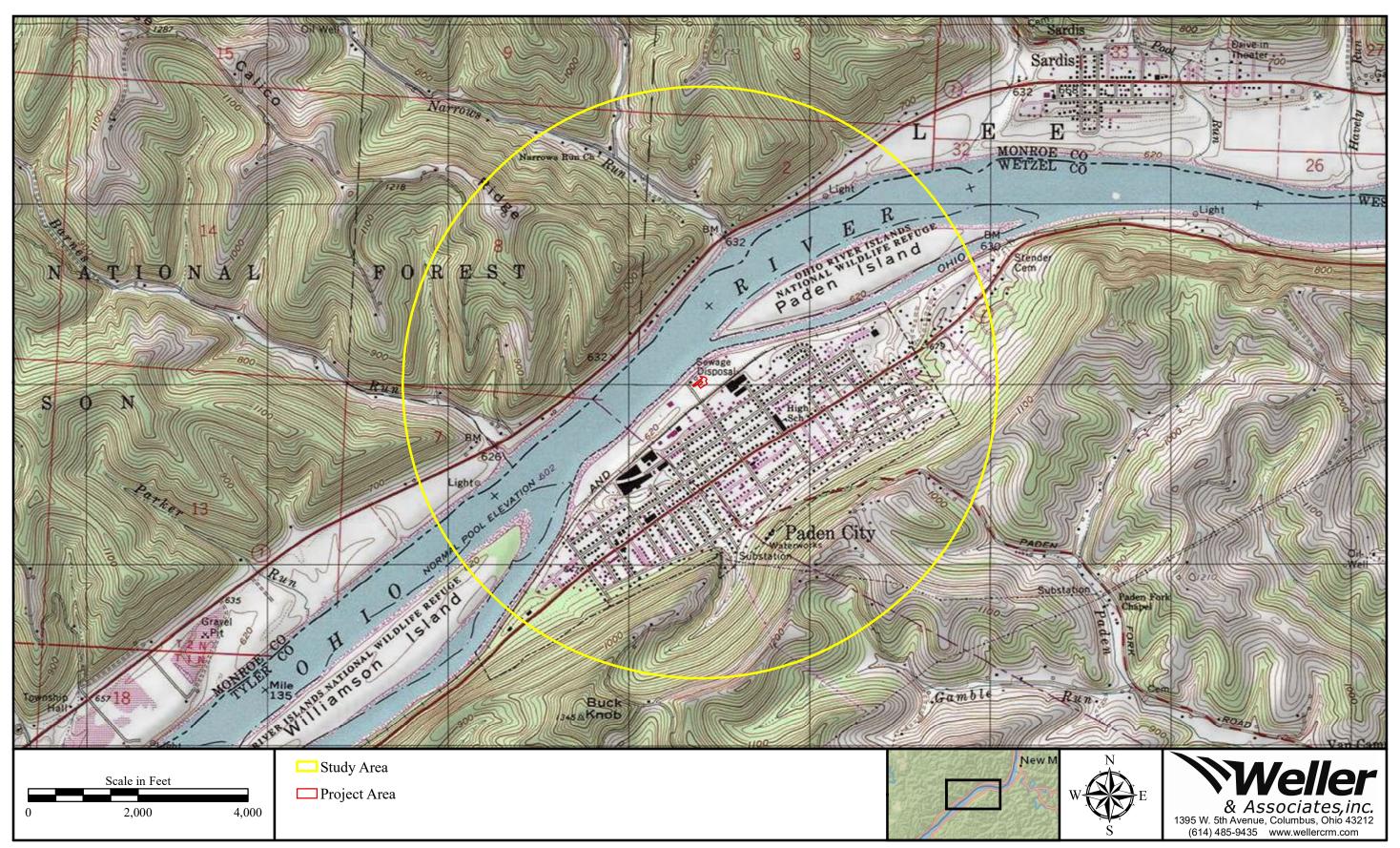


Figure 2. Portion of the USGS 1979 Paden City, West Virginia 7.5 Minute Series (Topographic) map indicating the location of the project and study area.

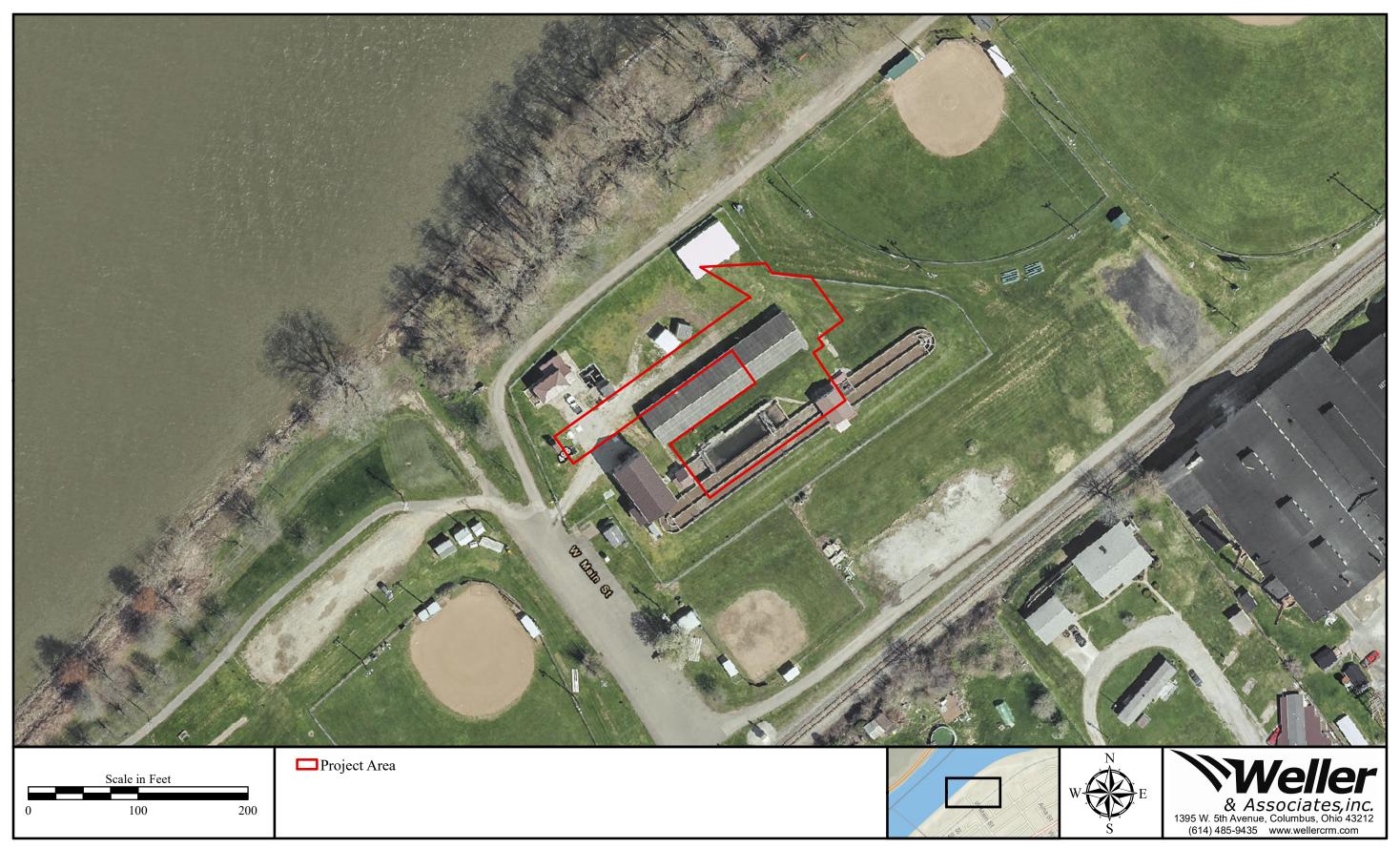


Figure 3. Aerial map indicating the location of the project area.

Figure 4. WV SHPO Map. Round Bottom MONROE CO 46 WZ 35 WZ 0089 18-743-MULTL3
WZ-0090 18-743-MULTL3
BITY OF PADEN/CITY
Historic Resources, Survey of Wetzel County
18-743-MULTL3 Paden City 14-916-MULTI-24 Historic Resources Survey of Tyler County

Final Historic Resources Survey of Tyler County, West Virginia 14:916 MULTIP 14-916 MULTI-24 14-916-MULTI-23 March 6, 2023 1:36,112 0.28 0.55 1.1 mi Architecture Survey - Area Cemeteries - Point **Notes:** Cemeteries - Area Civil War Sites Civil War Battlefields Restricted National Register - Point Restricted National Register - Area Condition Condition Demolished Demolished Active Active Architecture Sites - Point Architecture Sites - Area Archaeology Survey - Point WVGISTC, WVSHPO

Archaeology Sites - Point

Archaeology Survey - Area

Archaeology Sites - Area

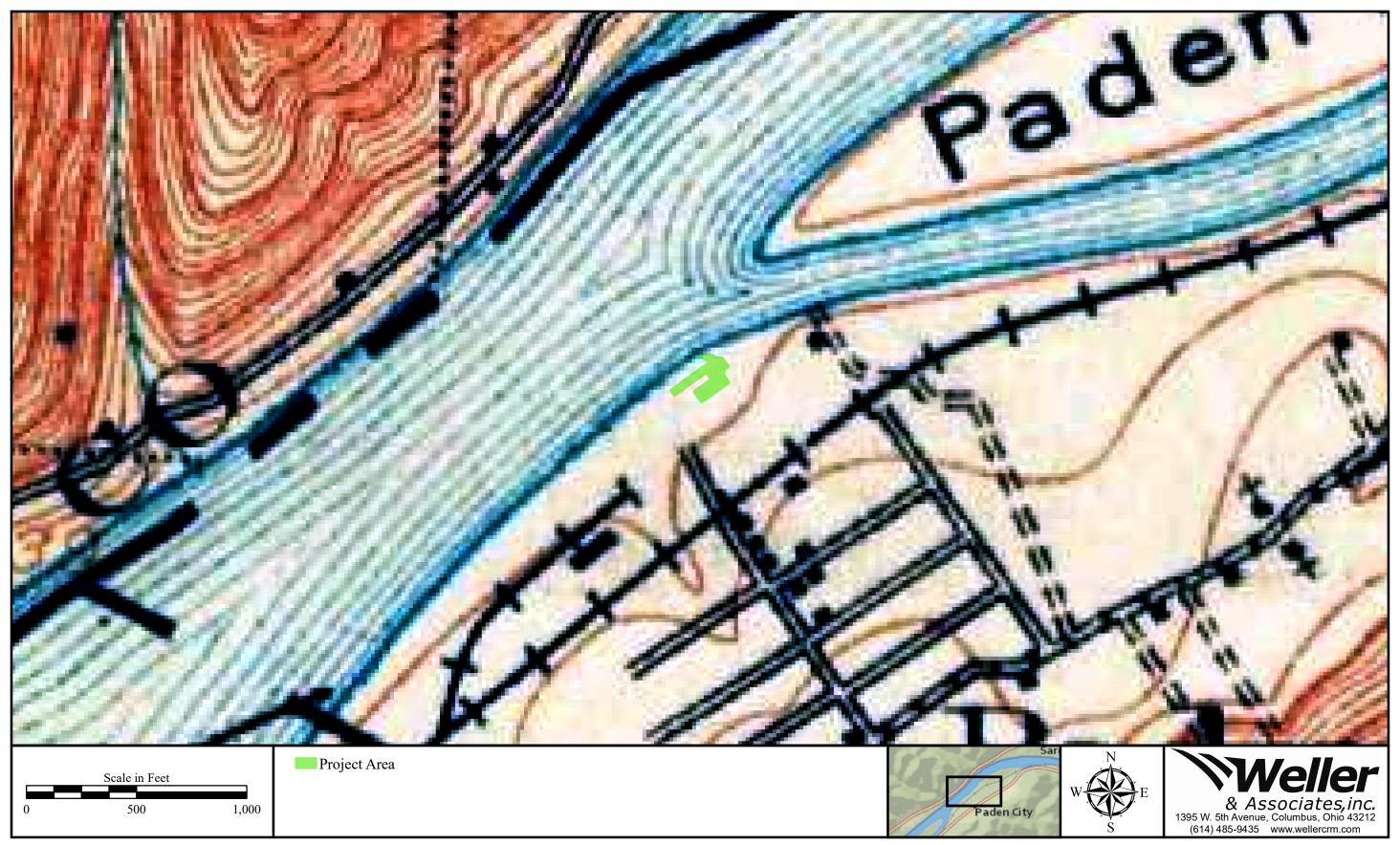


Figure 5. Portion of the USGS 1906 New Martinsville, West Virginia 15 Minute Series (Topographic) map indicating the approximate location of the project.

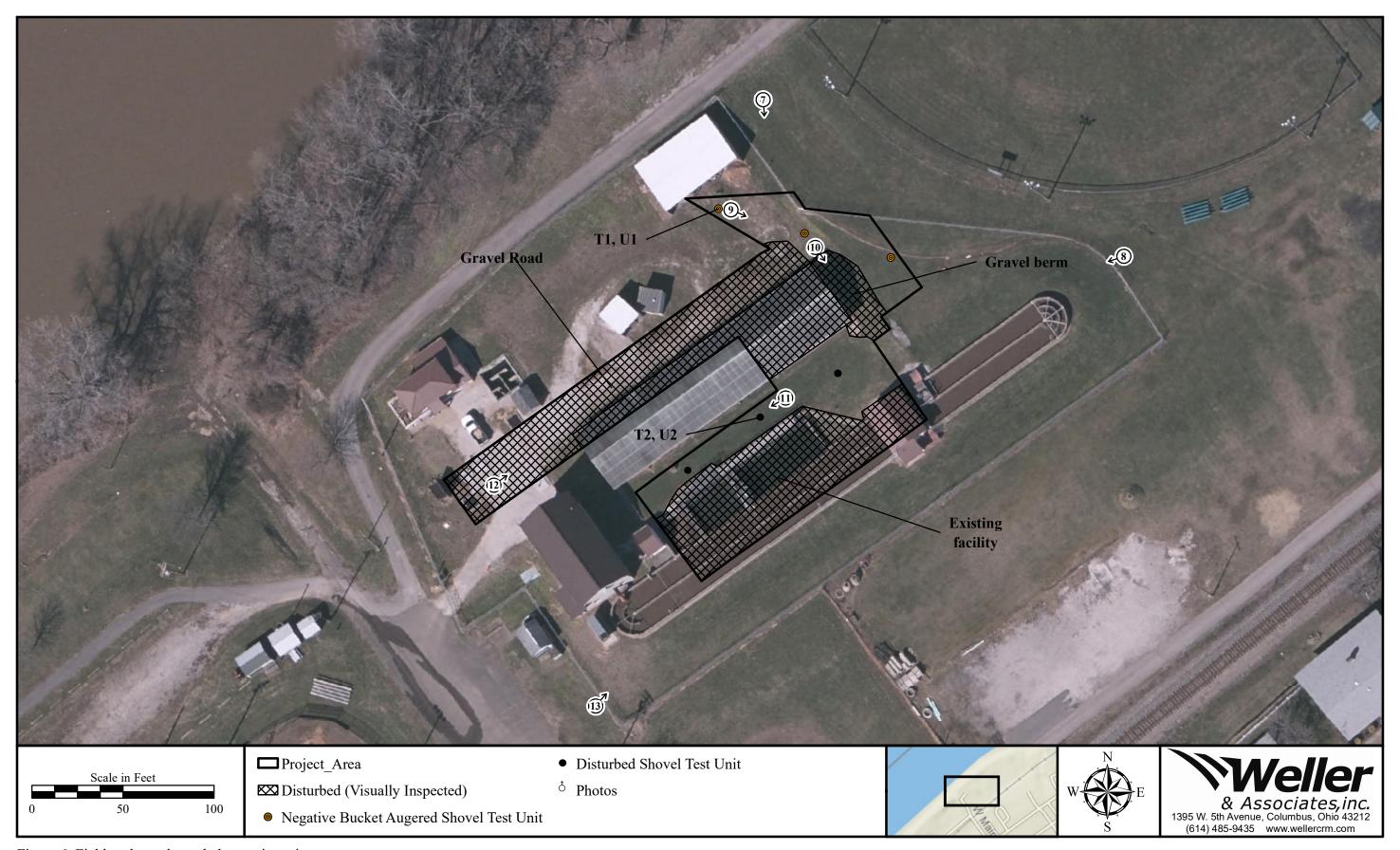


Figure 6. Fieldwork results and photo orientation map.



Figure 7. View of existing facility looking south.



Figure 8. View of existing facility looking southwest.



Figure 9. View of shovel tested/bucket augured conditions looking southeast.



Figure 10. View of disturbed gravel berm looking southeast.



Figure 11. View of shovel tested conditions containing disturbed soils looking southwest.



Figure 12. View of disturbed conditions containing gravel road looking northeast.



Figure 13. View of existing facility looking northeast.

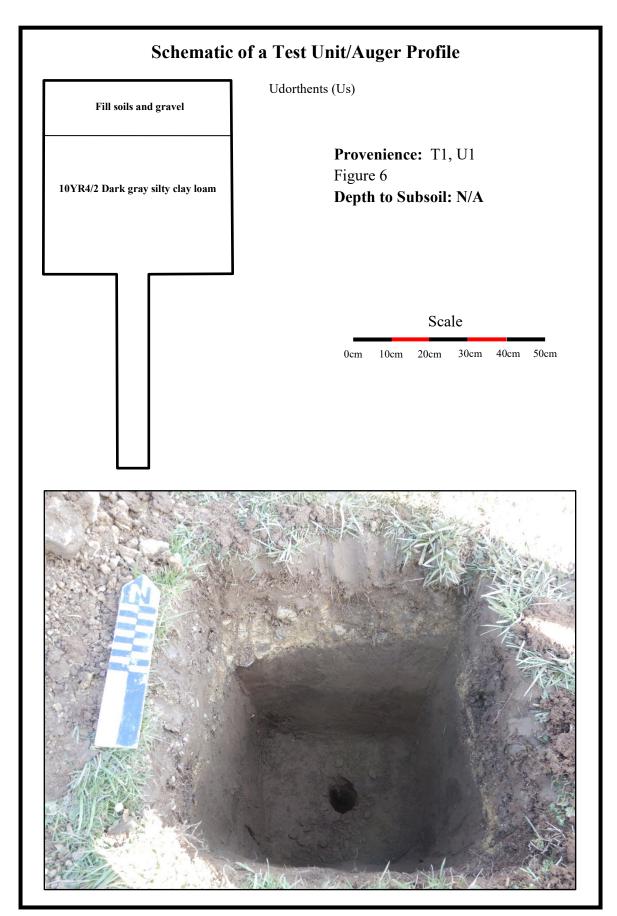


Figure 14. A typical shovel and auger test unit excavated within the project area.

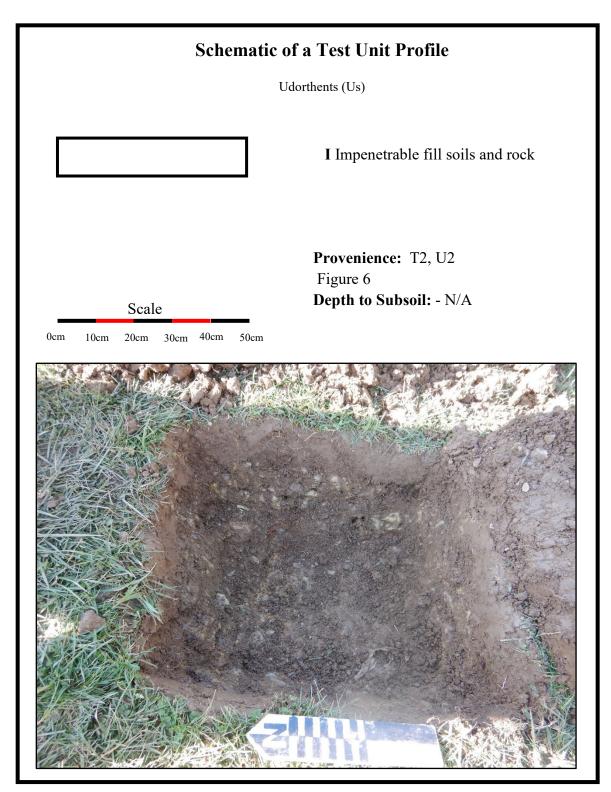


Figure 15. A typical disturbed shovel test unit excavated within the project.

# Appendix A:

**SHPO** Correspondence Letter





Randall Reid-Smith, Curator

Phone 304.558.0220 • www.wvculture.org Fax 304.558.2779 • TDD 304.558.3562

EEO/AA Employer

July 14, 2021

Mr. Jeremiah Goudy
Environmental Scientist I
The Thrasher Group, Inc.
300 Association Drive
Charleston, WV 25311
Via amail: iggudy@thethrashergr

Via email: jgoudy@thethrashergroup.com

RE: City of Paden City – Sanitary Sewer Improvements Phase II Project

Thrasher Project # 101-020-10082

FR#: 21-783-MULTI

Dear Mr. Goudy:

We have reviewed the above referenced project to determine potential effects on cultural resources. As required by Section 106 of the National Historic Preservation Act, as amended, and its implementing regulations, 36 CFR 800: "Protection of Historic Properties," we submit our comments.

According to the submitted information, the City of Paden City proposes to undertake Phase II of a sanitary sewer improvements project to address inflow and infiltration issues throughout the system. Financial assistance for the project will be through the U.S. Army Corps of Engineers – Pittsburgh District under Section 219 of the Water Resource Development Act of 1992. The project will include upgrades at the existing wastewater treatment plant (WWTP) (e.g., replacement of outdated equipment) and the removal and replacement of approximately 3,400 linear feet of sanitary sewer lines and other necessary appurtenances. A new masonry brick building that will house a new belt filter press and aeration system will be constructed at the WWTP.

# **Architectural Resources:**

We have reviewed the submitted information and determined that the new masonry brick building described above for this project is located within approximately 300 feet of the Pollock House (WZ-0090), which has been determined eligible for listing in the National Register of Historic Places under Criteria A, B and C of the *Criteria for Evaluation*. Due to the nature of the construction as an addition to an existing treatment plant facility, intervening vegetation, the nature of the surrounding development in an urban/industrial/mixed use environment, it is our opinion that this project will have *no adverse effect* on the above-mentioned property. The remainder of the project as a pipeline that is replacing existing pipe and that has no permanent above-ground features is taking place in an area with no documented architectural resources. Therefore, this portion of the

July 14, 2021 Mr. Goudy

FR#: 21-783-MULTI

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project will also have *no adverse effect* on any known historic resources. No further consultation is necessary regarding architectural resources; however, we do ask that you contact our office if your project should change.

# **Archaeological Resources:**

According to our records, there are no previously documented archaeological resources located within the proposed project areas where ground disturbing activities are scheduled to take place. Current project information states that the proposed replacement sewer lines and appurtenances will be installed at the same locations as existing lines in existing previously disturbed rights-of-way. Although the proposed building site at the WWTP has not been finalized at this time, both proposed locations have been heavily impacted by prior ground disturbing activities. Therefore, due to the noted disturbances, it is unlikely that significant intact deposits will be encountered. In our opinion, the proposed sanitary sewer improvements project will have no effect on archaeological historic properties. No further consultation is necessary regarding archaeological resources. However, if intact cultural materials are encountered during construction, cease all activity within the area of discovery and contact this office immediately.

We appreciate the opportunity to be of service. If you have questions regarding our comments or the Section 106 process, please contact Kent C. Walker, Structural Historian, or Carolyn M. Kender, Archaeologist, at (304) 558-0240.

Sincerely,

Benjamin M. Riggle signed electronically for Susan M. Pierce 9:08am 7/14/2021

Susan M. Pierce Deputy State Historic Preservation Officer

SMP/KCW/CMK

CC: Ms. Courtney Neff, The Osage Nation (cneff@osagenation-nsn.gov)

# **Appendix B:**

**Relevant Staff Vitae** 

# Seth T. Cooper

1332 Chaparral Rd West Union, OH 45693 Phone: 937-217-5233

cooper.seth@outlook.com

#### **Education:**

University of Leicester: Master of Arts, Archaeology & Heritage 2018

Thesis: 19th Century Barns of Adams County, Ohio. 2018

Hocking College 2009 to 2010, Archaeological Field Methods with Certificate and

additional archaeology courses.

Shawnee State University 2004 to 2009, Bachelor of Arts, Social Sciences.

# **Recent Work History:**

# **Cooper Archaeological Services**

1332 Chapparal Rd West Union, OH 45693 (937) 217-5233

**Position & duties:** Principal Investigator, Project Manager, Field Supervisor, report author and preparation (technical writing), ESRI ArcMap GIS, Geophysical Survey (Magnetometry), site form preparation and submission, historic research and literature reviews, project management, identification and curation of artifacts, public outreach, evaluation of sites for listing on the NRHP, and project documentation submission. Project Management includes Request for Proposal (RFP) for projects in Indiana, Kentucky, Ohio, Pennsylvania, Tennessee, Virginia, and West Virginia projects. Effectively communicate with clients and state agencies for Section 106 projects. 2019-present. 20 hours per week.

#### Weller & Associates

1395 W. 5th Ave. Columbus, OH 43212 (614) 485-9435

**Position & duties:** Principal Investigator, Project Manager, Field Supervisor for Section 106 projects. Report author and preparation (technical writing), GIS, Geophysical Survey (Magnetometry), site form preparation and submission, historic research and literature reviews, management, identification and curation of artifacts, evaluation of sites for listing on the NRHP, project documentation submission, public outreach, and training new employees for projects in Kentucky, Ohio, Pennsylvania, and West Virginia projects. Effectively communicate with clients and state agencies for projects. 40 hours per week. 2012– present.

# **Archaeological Consultants of the Midwest**

535 Fulton St. Wheeling, WV 26003 304-242-3155

**Position and duties:** Field Supervisor, report author (technical writing), site form completion and submission, historic research and literature reviews. 2011 to 2012. 40 hours per week.

# ASC Group, Inc.

800 Freeway Drive North, Suite 101 Columbus, Ohio, 43229 614.310.3540

**Position and duties:** Field technician: Field excavations. Part-time, 2009 to 2011. Eight-10 hours days on, six days off.

# **Hardlines Design Company**

4608 Indianola Ave Columbus, Ohio 43214 614.784.8733

**Position and duties:** Field technician: Field excavations, curation of artifacts. Part-time, 2009 to 2011. 40 hours per week.

# Supervised and Analytic Experience in General North American Archaeology

Supervisors: Ryan Weller & Justin Zink, Weller & Associates, Inc., 2012-2013, field work, curation, **analysis**, and site forms for *Phase I Cultural Resource Management Investigations for the Prospective 497 ha (1,228 ac) Lehmann Farms Development Site in Scioto Township, Pickaway County, Ohio.* 144 sites identified; 31 sites re-identified. 11/04/2012 - 02/06/2013, 4 months (18 Weeks).

Supervisors: Ryan Weller & Joshua Engle, Weller & Associates, Inc., 2017, field work, curation, **analysis**, and site forms for the *Phase I Archaeological Survey for the Proposed 575 ha (1,420 ac) Muskingum Solar Project in Jackson Township, Muskingum County, Ohio.* 122 sites identified. 05/05/2017 - 12/13/2018, 7 months (32 Weeks).

Supervisor: Ryan Weller, Weller & Associates, Inc. 2017. **Analysis** of eight archaeological sites for the *Phase I Archaeological Survey for the Proposed Grand Patrician Resort Golf Course Project in Grant District, Cabell County, West Virginia*. 04/23/2019 – 05/17/2019. 3 Weeks.

# **Supervisory Experience for Prehistoric Archaeology**

Field Supervisor, Author, Phase I & II projects in Ohio, Kentucky, West Virginia, Pennsylvania, Michigan, Indiana, Tennessee, and Virginia. 2013-2023, 2 years (10 years).

Field Supervisor, Phase II Archaeological Assessment at Sites 33MU0140, 33MU0930, and 33MU1429. 06/01/2018-12/04/2018, 6 months (27 Weeks).

Field Supervisor, Phase II Archaeological Assessment at Site 33PE1128. 10/04/2018 - 11/06/2018. 1 month (4 Weeks).

Field Supervisor, Phase I Cultural Resource Management Investigations for the 31.03 km (19.28 mi) Long Thornville- Lancaster 69kV. 02/08/2017 - 06/06/2018, 4 months (18 Weeks).

Field Supervisor, Phase I Intensive investigations for Sites 33PI0112/0113, 0123/0125, 0445, 0446, 1124, 1128, 1134, and 1179. 06/05/2018 - 08/13/2018, 3 months (15 weeks).

Field Supervisor, Phase II archaeological Assessment of site 33AD0436. 07/13/2018 - 07/25/2018, 2 weeks.

Field Supervisor, Phase II Archaeological Assessment of Site 33CS0596. 09/14/2014 - 10/02/2018, 2 weeks.

Field Supervisor, Phase II Archaeological Assessment of Site 33AD0437. 07/13/2018 - 07/25/2018, (2 weeks).

Field Supervisor & Author, Phase II Archaeological Assessment of Site 33MU815. 01/30/2023 - 02/10/2023 (2 weeks)

Field Supervisor & Author, Phase II Archaeological Assessment of Site 33HS384. 02/13/2023 - 02/24/2023 (2 weeks)

Field Supervisor & Author, Phase II Archaeological Assessment of Site 33MU1627. 12/05/2022 – 12/24/2022 (3 weeks)

Field Supervisor & Author, Phase II Archaeological Assessment of Site 33HS385. 12/26/2022 - 01/27/2023 (5 weeks)

Field Supervisor & Author, Phase II Archaeological Assessment of Site 33MS0005 06/03/2022 – 06/15/2022 (3 weeks)

# **Supervisory Experience for Historic Archaeology**

Field Supervisor, Author, Phase I projects in Ohio, Kentucky, West Virginia, Michigan, Pennsylvania, Indiana, Tennessee, Virginia. 2013-2023, 10 years (520 Weeks).

Thesis: 19th Century Barns of Adams County, Ohio. University of Leicester. GIS, writing, field reconnaissance for barn type distributions, research of barn types and construction, culture regions, and immigration in Appalachia and the Midwest. 01/03/2018 - 10/04/2018 10 months (43 Weeks).

Field Supervisor, Phase II National Register Evaluation for sites 33GR1386, 33GR1393, and 33GR1399. 11/15/2017 - 02/12/2018, 3 months (9 Weeks).

Field Supervisor & Author, Phase I Archaeological Assessment, Geophysical Survey, and Avoidance Plan for the Jonathan Noble House (NRHP Ref # 75001400) and site 33FR3510. 06/03/2022 – 06/15/2022 (3 weeks)

#### **References:**

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Annette G. Ericksen, Ph.D., Paleoethnobotanist ASC Group, Inc. Principal Investigator Professor of Archaeology Hocking Technical College Natural Resources Department 3301 Hocking Parkway Nelsonville, OH 45764 (614) 271-3005

# History of Primary Research; Report Author, & Field Supervisor

### Cooper, S.

2023 Phase II Archaeological Assessment at Site 33MU815 within the Proposed Ohio Central Millwood 138kV Electric Line Rebuild Project in Cass Township, Muskingum County, Ohio. Weller & Associates, Inc.

# Cooper, S.

2023 Phase II Archaeological Assessment at Site 33HS384 within the Proposed Wooster-West Millersburg 138kV Electric Line Rebuild Project in Prairie Township, Holmes County, Ohio. Weller & Associates, Inc.

# Cooper, S.

2023 Phase II Archaeological Assessment at Site 33HS385 within the Proposed Wooster-West Millersburg 138kV Electric Line Rebuild Project in Prairie Township, Holmes County, Ohio. Weller & Associates, Inc.

# Cooper, S.

2023 Phase II Archaeological Assessment at Site 33MU1627 within the Proposed Conesville 345kV Electric Line Rebuild Project in Cass Township, Muskingum County, Ohio. Weller & Associates, Inc.

# Cooper, S.

2022 Phase II Archaeological Assessment at Site 33LI0152 Associated with the Isabella-Newark Center 138kV Rebuild Project in Bowling Green Township, Licking County, Ohio. Weller & Associates, Inc.

#### Cooper, S.

2022 Addendum Archaeological Investigations for site 33LI0017 Associated with the Isabella-Newark Center 138kV Rebuild Project in Bowling Green Township, Licking County, Ohio. Weller & Associates, Inc.

# Cooper, S.

2022 Phase I Archaeological Investigations for the 13.8 km (8.6 mi) McComb Regional Water Line Project in Henry Township, Wood County and Portage/Pleasant Townships, Hancock County, Ohio. Weller & Associates, Inc.

#### Cooper, S.

2022 Phase II Archaeological Assessment at 33MS0005 in Association with the Lakin-Racine 69kV Electric Line Rebuild Project in LeTart Township, Meigs County, Ohio. Weller & Associates, Inc.

#### Cooper, S. and R. Weller

2022 Phase I Archaeological Investigations for the 10.84 ha (26.8 ac) Uritus Park Project in the City of Columbus, Franklin County, Ohio. Weller & Associates, Inc.

# Cooper, S.

2022 Phase I Archaeological Investigations for the 64 Acre MEC Smart Park Project in Cass County, Michigan. Weller & Associates, Inc.

# Cooper, S. and S. McIntosh

2022 Phase I Cultural Resource Management Investigations for the 14.2 ha (35.1 ac) Kileville Extension Project in Jerome Township, Union County and Washington Township, Franklin County, Ohio. Weller & Associates, Inc.

# Cooper, S., R. Weller, and A. White

2021 Phase I Cultural Resource Management Survey for the Approximately 2.02 ha (5.0 ac) Cottrell Station (Greenfield) Project in Porter Township, Scioto County, Ohio. Weller & Associates, Inc.

### Cooper, S.

2021 Phase I Cultural Resource Management Investigations for the Approximately 10.2 ha (25.1 ac) State Street Investors Development in Orange Township, Delaware County, Ohio. Weller & Associates, Inc. Weller & Associates, Inc.

### Cooper, S. and J. Fryer

2021 Preliminary Cultural Resource Management Review (literature review) for the 330.5 ha (330.5 ac) Hebron-Oakbrook-138kV Transmission Line Project in Boone County, Kentucky.

# Cooper, S. and A. White

2021 Phase I Cultural Resource Management Investigations for the 2.4 ha (6.0 ac) Althea Station (Greenfield) Project in Green Township, Scioto County, Ohio. Weller & Associates, Inc.

#### Cooper, S., and A. White

2021 Phase I Cultural Resource Management Investigations for the 5.46 ha (13.5 ac) Rose Hill Townehome Development Project in the City of Columbus, Franklin County, Ohio. Weller & Associates, Inc.

# Cooper, S.

2021 Phase I Cultural Resource Management Survey for the Stonefly Stream Bank Mitigation Project in Lewis County, West Virginia. Weller & Associates, Inc.

#### Cooper, S.

2021 Phase I Archaeological Survey for the proposed Isom Ridge Surface Mine Project in McDowell County, West Virginia. Weller & Associates, Inc.

#### Cooper, S.

2021 Phase I Archaeological Survey for the Proposed Saturn Mine Project in Mercer and Wyoming Counties, West Virginia. Weller & Associates, Inc.

# Cooper, S.

2020 Phase I Archaeological Survey for the Proposed Century Project in Barbour County, West Virginia. Weller & Associates, Inc.

# Cooper, S.

2020 Phase I Archaeological Survey for the Proposed Milton Water Line Project in Grant District, Cabell County, West Virginia. Weller & Associates, Inc.

### Cooper, S.

2020 Phase I Archaeological Monitoring for the Proposed RL-Brown Project in Bradford County, Pennsylvania. Weller & Associates, Inc.

# Cooper, S.

2020 Phase I Archaeological Survey for the Proposed Monongah Sanitary Sewer Improvements Project in Marion County, West Virginia. Weller & Associates, Inc.

### Cooper, S.

2020 Phase I Cultural Resource Management Survey for the Proposed HG Energy II Appalachia, LLC (HG) 1212 Well Pad Project in Lewis County, West Virginia. Weller & Associates, Inc.

# Cooper, S.

2020 Phase I Cultural Resource Management Survey for the Proposed HG Energy II Appalachia, LLC (HG) 1212 Well Pad Reroute Project in Lewis County, West Virginia. Weller & Associates, Inc.

#### Cooper, S.

2020 Phase I Archaeological Survey for the proposed TL-255 Dominion Gas Line project in Wood County, West Virginia. Weller & Associates, Inc.

#### Cooper, S.

2020 Phase I Archaeological Survey for the Proposed Rafferty Natural Gas Transmission Pipe Line Project in Bridgewater Township, Susquehanna County, Pennsylvania. Weller & Associates, Inc.

#### Cooper, S.

2020 Phase I Archaeological Survey for the Proposed Rainelle Stormwater Diversion Channel Project in Greenbrier County, West Virginia. Weller & Associates, Inc.

#### Cooper, S.

2020 Phase I Archaeological Survey for the Proposed Zayo Long Haul Route Conduit Project in Hardy County, West Virginia. Weller & Associates, Inc.

2020 Phase I Archaeological Survey for the Proposed Dobrosielski Well Connect Project in Auburn Township, Susquehanna County, Pennsylvania. Weller & Associates, Inc.

# Cooper, S.

2020 Phase I Archaeological Survey for the Proposed Bradley to Defeat Gas Line Project in Wyoming County, West Virginia. Weller & Associates, Inc.

### Cooper, S.

2020 Phase I Archaeological Survey for the Proposed Meadow View Residential Development Project in Harrison County, West Virginia. Weller & Associates, Inc.

### Cooper, S.

2020 Historical Research for the Grave Site of Civil War Cemetery and the WVDNR Boat Ramp at Blue Creek, Kanawha County, West Virginia. Weller & Associates, Inc.

#### Cooper, S.

2020 Phase I Archaeological Survey for the Proposed Guiton Alternative Project in Susquehanna County, Pennsylvania. Weller & Associates, Inc.

### Cooper, S.

2020 Phase I Archaeological Survey for the Proposed Canaan Valley Waterline Project in Tucker County, West Virginia. Weller & Associates, Inc.

# Cooper, S.

2020 Phase I Archaeological Survey for the proposed Polymer Technology Park Expansion project in Wood County, West Virginia. Weller & Associates, Inc.

### Cooper, S.

2020 Phase I Archaeological Monitoring for the Proposed Sharpsburg Project in Allegheny County, Pennsylvania. Weller & Associates, Inc.

# Cooper, S.

2020 Phase I Archaeological Survey for the Proposed Central Hampshire PSD Waterline Extension Project in Hampshire County, West Virginia. Weller & Associates. Inc.

#### Cooper, S.

2020 Phase I Archaeological Survey for the Proposed Affinity Mine IBR #12 (Permit No. U0115282) Project in Raleigh County, West Virginia. Weller & Associates, Inc.

# Cooper, S.

2020 Phase I Archaeological Survey for the Proposed Grant County Water System Improvements Project in Grant County, West Virginia. Weller & Associates, Inc.

# Cooper, S., R. Weller, and M. Schaney

2020 Phase I Archaeological Survey and Deep Testing for the Proposed Harbor Point Development Project in Wood County, West Virginia. Weller & Associates, Inc.

# Cooper, S., and R. Weller

2020 Phase I Archaeological Survey for the Proposed Wellsburg North Sewer Improvements Project in Brooke County, West Virginia. Weller & Associates, Inc.

# Cooper, S., and R. Weller

2020 Phase I Cultural Resource Management Survey for the Proposed Marshall County Mine Permit U-20007-07 IBR No. 16 Project in Marshall County, West Virginia. Weller & Associates, Inc.

### Cooper, S., and R. Weller

2020 Phase I Archaeological Survey for the Proposed Wilderness Water System Improvements Project in Nicholas County, West Virginia. Weller & Associates, Inc.

# Cooper, S.

2020 Phase I Archaeological Monitoring for the Proposed Riverside Plaza Project in Pittsburgh, Allegheny County, Pennsylvania ER# 2020-1258-003-A. Weller & Associates, Inc.

# Cooper, S., and R. Weller

2020 Phase I Archaeological Survey for the Proposed Walton Wastewater System Improvements Project in Roane County, West Virginia. Weller & Associates, Inc.

### Cooper, S., and R. Weller

2020 Phase I Archaeological Survey for the Proposed Gandeeville Wastewater System Improvements Project in Roane County, West Virginia. Weller & Associates, Inc.

# Cooper, S., and R. Weller

2020 Phase I Archaeological Monitoring for the Proposed Winfield Wastewater System Improvements Project in Putnam County, West Virginia. Weller & Associates, Inc.

# Cooper, S.

2020 Phase I Archaeological Survey for the Proposed US-TN-5194 East Jamestown Wireless Cell Tower in Fentress County, Tennessee. Cooper Archaeological Services.

#### Cooper, S.

2020 Phase I Archaeological Survey for the Proposed US-TN-5192 Neely Crossroads Wireless Cell Tower in Clay County, Tennessee. Cooper Archaeological Services.

2020 Phase I Archaeological Survey for the Proposed US-TN-5191 Pickett Park Wireless Cell Tower in Fentress County, Tennessee. Cooper Archaeological Services.

# Cooper, S.

2020 Phase I Archaeological Survey for the Proposed US-TN-5189 Highway 52 and Thompkinsville Wireless Cell Tower in Clay County, Tennessee. Cooper Archaeological Services.

### Cooper, S.

2020 Phase I Archaeological Survey for the Proposed US-TN-5123 Clay County Wireless Cell Tower in Clay County, Tennessee. Cooper Archaeological Services.

### Cooper, S.

2020 Phase I Cultural Resources Management Survey for the Proposed US-PA-5555 Shanksville Wireless Cell Tower in Somerset County, Pennsylvania. Cooper Archaeological Services.

# Cooper, S.

2020 Phase I Cultural Resources Management Survey for the Proposed US-PA-7775 Leetsdale Wireless Cell Tower in Allegheny County, Pennsylvania. Cooper Archaeological Services.

# Cooper, S.

2020 Archaeological Monitoring for the US-OH-5287 (NOH8041) Coburn Wireless Cell Tower in Erie County, Ohio. Cooper Archaeological Services.

#### Cooper, S.

2020 Phase I Archaeological Survey for the US-OH-5097 Huber Heights Wireless Cell Tower in Miami County, Ohio. Cooper Archaeological Services.

# Cooper, S.

2020 Phase I Cultural Resources Survey for the Proposed CLE North Newburg Alltel 58 W2 Small Cell Project in the City of Cleveland, Cuyahoga County, Ohio. Cooper Archaeological Services.

#### Cooper, S.

2020 Phase I Archaeological Survey for the Proposed OH-20 Shawnee Lodge Wireless Cell Tower in Scioto County, Ohio. Cooper Archaeological Services.

# Cooper, S.

2020 Phase I Cultural Resources Survey for the Proposed Linndale South (CLEV-394) Antenna Change-Out Project in the City of Parma, Cuyahoga County, Ohio. Cooper Archaeological Services.

2020 Phase I Archaeological Survey for the Proposed US-TN-5125 Brownlow Wireless Cell Tower in Giles County, Tennessee. Cooper Archaeological Services.

# Cooper, S.

2020 Phase I Archaeological Survey for the Proposed US-TN-5130 Cudge Hollow Wireless Cell Tower in Lewis County, Tennessee. Cooper Archaeological Services.

### Cooper, S.

2020 Phase I Archaeological Survey for the Proposed US-TN-5134 Crewstown Wireless Cell Tower in Lawrence County, Tennessee. Cooper Archaeological Services.

### Cooper, S.

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# Cooper, S.

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# Cooper, S.

2020 Phase I Archaeological Survey for the Proposed US-TN-5131 Napier Lake Wireless Cell Tower in Lewis County, Tennessee. Cooper Archaeological Services.

# Cooper, S.

2020 Phase I Archaeological Survey for the Proposed US-TN-5132 Hwy 20 and Napier Road Wireless Cell Tower in Lewis County, Tennessee. Cooper Archaeological Services.

#### Cooper, S.

2020 Phase I Archaeological Survey for the Proposed US-TN-5127 Factory Creek Wireless Cell Tower in Giles County, Tennessee. Cooper Archaeological Services.

#### Cooper, S.

2020 Phase I Archaeological Survey for the Proposed US-TN-5084 Mountain Trail Wireless Cell Tower in Sevier County, Tennessee. Cooper Archaeological Services.

2019 Phase I Archaeological Survey for the Proposed US-PA-5177 Oakglen Wireless Cell Tower in Allegheny County, Pennsylvania. Cooper Archaeological Services.

# Cooper, S.

2020 Phase I Archaeological Survey for the Proposed US-TN-5087 Goodlettsville Wireless Cell Tower in Davidson County, Tennessee. Cooper Archaeological Services.

# Cooper, S.

2020 Phase I Archaeological Survey for the Proposed US-TN-5111 Cane Creek Wireless Cell Tower in Hickman County, Tennessee. Cooper Archaeological Services.

#### Cooper, S., and C. Nelson

2019 Phase I Archaeological Survey for the Proposed US-IN-515 Lebanon Wireless Cell Tower in Boone County, Indiana. Cooper Archaeological Services.

# Cooper, S., and C. Nelson

2019 Phase I Cultural Resources Survey for the Proposed US-IN-5108 Stonybrook Wireless Cell Tower in Marion County, Indiana. Cooper Archaeological Services.

# Cooper, S.

2019 Phase I Archaeological Survey for the Proposed US-KY-5052 Bethany Wireless Cell Tower in Breathitt County, Kentucky. Cooper Archaeological Services.

# Cooper, S.

2019 Phase I Archaeological Survey for the Proposed US-TN-5087 Goodlettsville Wireless Cell Tower in Davidson County, Tennessee. Cooper Archaeological Services.

#### Cooper, S.

2019 Phase I Archaeological Survey for the Proposed US-VA-5068 Fort Blackmore Wireless Cell Tower in Scott County, Virginia. Cooper Archaeological Services.

# Cooper, S.

2019 Phase I Archaeological Survey for the Proposed US-KY-5051 Winchester Road Wireless Cell Tower in Estill County, Kentucky. Cooper Archaeological Services.

# Cooper, S.

2019 Phase I Archaeological Survey for the Proposed New Cut Wireless Cell Tower in Jefferson County, Kentucky. Cooper Archaeological Services.

# Cooper, S.

2020 Phase I Archaeological Survey for the Proposed Paden City Water System Improvements Project in Wetzel and Tyler Counties, West Virginia. Weller & Associates, Inc.

# Cooper, S.

2019 Phase I Archaeological Survey for the Proposed Freeland Water Line Project in Marshall County, West Virginia. Weller & Associates, Inc.

# Cooper, S.

2019 A Cultural Resource Management Preliminary Review for the Proposed Longworth to Mason Water Line Project in Marshall County, West Virginia. Weller & Associates, Inc.

# Cooper, S.

2019 Phase I Archaeological Survey for the Proposed TL-255 North Project in Wood County, West Virginia. Weller & Associates, Inc.

# Cooper, S.

2019 Phase I Archaeological Survey for the Proposed TL-255 South Project in Wood County, West Virginia. Weller & Associates, Inc.

# Cooper, S.

2019 A Cultural Resource Management Preliminary Review for the Proposed Curry Pipeline Project in Marshall County, West Virginia. Weller & Associates, Inc.

# Cooper, S.

2019 Phase I Archaeological Survey for the Proposed Capon Bridge Sewer Project in Hampshire County, West Virginia (FR Number 18-1377-HM-1). Weller & Associates, Inc.

#### Cooper, S.

2019 Phase I Cultural Resource Management Survey for the Skin Creek Tank Area Project in Lewis County, West Virginia. Weller & Associates, Inc.

# Cooper, S.

2019 A Cultural Resource Management Preliminary Review for the Proposed Freedland Project in Marshall County, West Virginia. Weller & Associates, Inc.

# Cooper, S.

2019 A Cultural Resource Management Preliminary Review for the Proposed Northern Trunkline 2 Project in Marshall County, West Virginia. Weller & Associates, Inc.

# Cooper, S.

2019 Phase I Archaeological Survey for the Franz Thoman Well Connect Project in Ohio County, West Virginia. Weller & Associates, Inc.

# Cooper, S.

2019 Phase I Cultural Resource Management Survey for the Beans Lane Housing Development Project in Moorefield, Hardy County, West Virginia (FR Number 19-784-HY). Weller & Associates, Inc.

# Cooper, S.

2019 Phase I Cultural Resource Management Survey for the Ripley Sanitary Sewer System Improvement Project in Jackson County, West Virginia. Weller & Associates, Inc.

# Cooper, S.

2019 A Phase I Archaeological Survey for the Proposed Mineral Wells PSD Water System Improvements Project in Wood County, West Virginia. Weller & Associates, Inc.

### Cooper, S., and R. Weller

2019 Phase I Archaeological Survey for the Proposed Gaines Estate
Project in Fayetteville, Fayette County, West Virginia. Weller & Associates, Inc.

# Cooper, S.

2019 Phase I Archaeological Survey for the Proposed Northwest Fayette Intake to Strickler CWF Project in Fayette County, Pennsylvania. Weller & Associates, Inc.

# Cooper, S., and J. Engle

2019 Phase I Cultural Resource Management Survey for the Pennypacker Pipeline Project in Harrison and Lewis Counties, West Virginia. Weller & Associates, Inc.

#### Cooper, S., J. Vosvick, and J. Engle

2019 Phase I Cultural Resource Management Survey for the Proposed Wyco Contour Surface Mine (Permit S301418) Project in Raleigh and Wyoming Counties, West Virginia. Weller & Associates, Inc.

# Cooper, S., and R. Weller

2019 Phase I Archaeological Survey for the Proposed Pea Ridge Wastewater Treament Plant in Cabell County, West Virginia. Weller & Associates, Inc.

# Cooper, S., and J. Engle

2019 Phase I Archaeological Survey for the Proposed Longview Natural Gas Transmission Pipeline Project Additional Areas in Dunkard and Monongahela Townships, Greene County, Pennsylvania. Weller & Associates, Inc.

# Cooper, S., and R. Weller

2019 Phase I Archaeological Survey for the Proposed Grand Patrician Resort Golf Course Project in Grant District, Cabell County, West Virginia. Weller & Associates, Inc.

# Cooper, S., and R. Weller

2019 Cultural Resource Management Preliminary Review for a Proposed 298.9 ha (738 ac) Development and 18.55 Km (11.5 Mile) Sewer Line Project in Mason County, West Virginia. Weller & Associates, Inc.

### Cooper, S., and J. Engle

2019 Phase I Archaeological Survey for the Proposed Taplin/Rita Sanitary Sewer Extension Project Phase - II in Logan County, West Virginia. Weller & Associates, Inc.

# Cooper, S., and J. Engle

2019 Phase I Archaeological Survey for the Pritt to Osborn Well Connect Project in Harrison County, West Virginia. Weller & Associates, Inc.

# Cooper, S., and J. Engle

2019 Phase I Archaeological Survey for the Proposed Tyler County PSD Alma Centerville Water Extension project in Ellsworth, McElroy, and Centerville Townships, Tyler County, West Virginia. Weller & Associates, Inc.

# Cooper, S., and J. Engle

2019 Phase I Archaeological Literature Review and Reconnaissance Survey for the Proposed Logan County PSD Waste Coal Mountain Water Project in Logan and Wyoming Counties, West Virginia. Weller & Associates, Inc.

### Weller, R., and S. Cooper

2019 Phase I Cultural Resource Management Investigations for the 4.0 ha (9.8 ac) Danbury Grove City Development in Jackson Township, Franklin County, Ohio. Weller & Associates, Inc.

#### Cooper, S., and R. Weller

2019 Phase I Archaeological Investigations for the Fairfield Plant Expansion Project in Ross Township, Butler County, Ohio. Weller & Associates, Inc.

#### Cooper, S., and R. Weller

2019 Phase I Cultural Resource Management Investigations for an 0.62 ha (1.52 ac) Vocational School Development at the Greater Portsmouth Regional Airport in Harrison Township, Scioto County, Ohio. Weller & Associates, Inc.

### Cooper, S., and J. Engle

2019 Phase I Archaeological Investigations for the Proposed Approximately 9.75 km (6.06 mi), Brues-Glendale 69 kV Electric Line Rebuild Project in Marshall and Ohio Counties, West Virginia. Weller & Associates, Inc.

# Weller, R., and S. Cooper

2019 Phase I Cultural Resource Management Investigations of 2.64 ha (6.52 ac) for the Zuber Station Expansion Project in Jackson Township, Franklin County, Ohio. Weller & Associates, Inc.

# Cooper, S., and R. Weller

2019 Phase I Archaeological Investigations for the Proposed 0.4 ha (1 ac) Sardinia Substation Expansion Project in Eagle Township, Brown County, Ohio. Weller & Associates, Inc.

### Cooper, S., and R. Weller

2019 Phase I Archaeological Investigations for the Proposed 0.37 ha (0.91 ac) Bentonville Substation Expansion Project in Sprigg Township, Adams County, Ohio. Weller & Associates, Inc.

# Weller, R., and S. Cooper

2019 Phase I Archaeological Investigations for the .21 ha (.52 ac) Chrome Station Project in Franklin Township, Coshocton County, Ohio. Weller & Associates, Inc.

#### Weller, R., and S. Cooper

2019 Phase I Archaeological Survey for the Proposed Linworth Station Expansion Project in the City of Columbus (Perry Township), Franklin County, Ohio. Weller & Associates, Inc.

### Weller, R., and S. Cooper

2019 Phase I Archaeological Literature Review and Reconnaissance Survey for the Proposed Longview Natural Gas Transmission Pipeline Project in Dunkard and Monongahela Townships, Greene County, Pennsylvania. Weller & Associates, Inc.

#### Cooper, S., and J., Engle

2019 Phase I Literature Review and Reconnaissance Survey for the Proposed Magnolia Gathering Pipeline Project in Magnolia District, Wetzel County, West Virginia. Weller & Associates, Inc.

#### Weller, R., and S. Cooper

2018 Phase I Archaeological Literature Review and Reconnaissance Survey for the Proposed Monongalia County Mine, CMAP#30841312, 4 North # 1 Portal, Gilmore Township, Greene County, Pennsylvania. Weller & Associates, Inc.

# Engle, J., and S. Cooper

2018 Phase I Archaeological Literature Review and Reconnaissance Survey for the Lake Wilma Truck Load out and Intake, Wayne Township, Greene County, Pennsylvania. Weller & Associates, Inc.

# Weller, R., and S. Cooper

2018 Phase I Archaeological Investigations for Approximately 4.4 ha (10.77 ac) of Tree Clearing at the Defiance Memorial Airport in Noble Township, Defiance County, Ohio. Weller & Associates, Inc.

# Weller, R., and S. Cooper

2018 Phase I Cultural Resource Management Investigations for the Approximately 1.21 ha (3.0 ac) Taxiway Extension at Grimes Field (Airport) in Salem Township, Champaign County, Ohio. Weller & Associates, Inc.

# Weller, R., and S. Cooper

2018 Phase I Archaeological Survey for the Proposed Linworth Station Expansion Project in the City of Columbus (Perry Township), Franklin County, Ohio. Weller & Associates, Inc.

# Weller, R., and S. Cooper

2018 Phase I Archaeological Investigations for the .21 ha (.52 ac) Chrome Station Project in Franklin Township, Coshocton County, Ohio. Weller & Associates, Inc.

# Weller, R., and S. Cooper

2015 Cultural Resource Management Literature Review for the 13.7 ha (33.86 ac) Hopeful Church Road Housing Development in Boone County, Kentucky (FY15-8330/2021). Weller & Associates, Inc.

#### Nelson, C., and S. Cooper

2015 Phase I Cultural Resource Management Investigations for the Proposed Venango Cellular Location in Rockland Township, Venango County, Pennsylvania. Weller & Associates, Inc.

#### Nelson, C., and S. Cooper

2015 Phase I Report for a Series of Proposed Wireless Cellular Collocations within Churchill Downs in the City of Louisville, Jefferson County, Kentucky (FY15-2022). Weller & Associates, Inc.

# Weller, R., T. Barrett, and S. Cooper

2015 Phase I Report for the Proposed Ubiquitel-Hopkinsville Wireless Cellular Collocation in Christian County, Kentucky (FY15-2075). Weller & Associates, Inc.

# Weller, R., and S. Cooper

2015 A Cultural Resource Management Literature Review for the Lower Muddy Creek Sanitary Sewer Overflow Remediation in the Village of Addyston, Hamilton County, Ohio. Weller & Associates, Inc.

# Weller, R., and S. Cooper

2015 Cultural Resource Management Literature Review for the Proposed Pinkard Brannon Well Site in Gilmer County, West Virginia. Weller & Associates, Inc.

# Weller, R., and S. Cooper

2015 Cultural Resource Management Literature Review for the 4.07 ha (10.07 ac) NRC Central College Campus Development in Blendon Township, Franklin County, Ohio. Weller & Associates, Inc.

# Weller, R., and S. Cooper

2015 Cultural Resource Management Literature Review for the Approximately 0.21 ha (0.53 ac) National Lime and Stone Company Ottawa River Crossing in the City of Lima, Allen County, Ohio. Weller & Associates, Inc.

# Cooper, S.

2015 Cultural Resource Management Literature Review for the Buzzards Roost Lake Restoration in Madison Township, Pickaway County, Ohio. Weller & Associates, Inc.

### Weller, R., and S. Cooper

2015 Phase I Cultural Resource Management Survey for the Proposed New Sheffield Cellular Collocation in Aliquippa, Beaver County, Pennsylvania. Weller & Associates, Inc.

#### Nelson, C., and S. Cooper

2015 Phase I Cultural Resources Survey for the Proposed Pine Ridge Apartments (OH-CLE0294E14.1) Collocation in Willoughby Hills, Lake County, Ohio. Weller & Associates, Inc.

# Nelson, C., and S. Cooper

2015 Phase I Cultural Resources Survey for the Proposed Maumee 1 Small Cell Installation in Maumee, Lucas County, Ohio. Weller & Associates, Inc.

# Nelson, C., and S. Cooper

2015 Phase I Cultural Resources Survey for the Proposed Maumee IV SC Small Cell Installation in Maumee, Lucas County, Ohio. Weller & Associates, Inc.

# Nelson, C., and S. Cooper

2015 Phase I Cultural Resources Survey for the Proposed Circleville Small Cell Installation in Circleville, Pickaway County, Ohio. Weller & Associates, Inc.

# Nelson, C., and S. Cooper

2015 Phase I Cultural Resource Management Survey for the Proposed Shenango Towers Cellular Collocation in Sharon, Mercer County, Pennsylvania. Weller & Associates, Inc.

# Cooper, S., and R. Weller

2014 Phase I Cultural Resource Management Survey for the Proposed College Hill Verizon Wireless Cell Tower in Adams Township, Guernsey County, Ohio. Weller & Associates, Inc.

# Cooper, S., and R. Weller

2014 Phase I Cultural Resource Management Survey for the Proposed River View South Verizon Wireless Cell Tower in Jefferson Township, Coshocton County, Ohio. Weller & Associates, Inc.

### Weller, R., and S. Cooper

2014 Phase I Abbreviated Report for the Proposed Norman Dale Road Wireless Cellular Tower in Bullitt County, Kentucky (FY14-7761). Weller & Associates, Inc.

# Cooper, S., and R. Weller

2014 Cultural Resource Management Literature Review for the Proposed Sea Limited Development Project in Franklin County, Ohio. Weller & Associates, Inc.

### Cooper, S., and R. Weller

2014 Phase I Cultural Resources Management Survey for the Proposed Walnut Knob Wireless Cellular Tower Relocation in Monroe County, West Virginia. Weller & Associates, Inc.

#### Weller, R., and S. Cooper

2014 Phase I Cultural Resources Management Survey for the Proposed River Bend Cell Tower (CIG0385WV) in Berkeley County, West Virginia. Weller & Associates, Inc.

# Weller, R., and S. Cooper

2014 Cultural Resource Management Phase I Survey for the Proposed 7.2 ha (17.9 ac) The Pines IV Development in Sycamore Township, Hamilton County, Ohio. Weller & Associates, Inc.

# Cooper, S., and R. Weller

2014 Cultural Resource Management Literature Review for the Proposed Approximately 0.56 ha (1.4 ac) Tiffin Station Project in Clinton Township, Seneca County, Ohio. Weller & Associates, Inc.

# Weller, R., A. Ledezma Martinez, and S. Cooper

2014 Phase I Cultural Resources Management Survey for the Proposed Williamsport South Wireless Cellular Tower in Deer Creek Township, Pickaway County, Ohio. Weller & Associates, Inc.

# Cooper, S., and R. Weller

2014 Phase I Cultural Resource Management Survey for the Proposed Lore City Verizon Wireless Cell Tower in Center Township, Guernsey County, Ohio. Weller & Associates, Inc.

### Cooper, S., and R. Weller

2014 Phase I Archaeological Survey for the Proposed Dayton (E251) Wireless Cellular Tower in Wayne Township, Armstrong County, Pennsylvania. Weller & Associates, Inc.

# Cooper, S., and R. Weller

2014 Phase I Archaeological Survey for the Proposed Mount Union (J095) Wireless Cellular Tower in Shirley Township, Huntingdon County, Pennsylvania. Weller & Associates, Inc.

# Weller, R., and S. Cooper

2014 Phase I Abbreviated Report for the Proposed Turkeyfoot (OHLO1193) Wireless Cellular Tower in Kenton County, Kentucky (FY14-7936). Weller & Associates, Inc.

# Weller, R., and S. Cooper

2014 Phase I Archaeological Survey for the Proposed Rimersburg Wireless Cellular Tower in Madison Township, Clarion County, Pennsylvania. Weller & Associates, Inc.

#### Weller, R., and S. Cooper

2014 Phase I Cultural Resources Management Survey for the Proposed Landsdowne Wireless Cellular Tower in the City of Youngtown, Mahoning County, Ohio. Weller & Associates, Inc.

#### Weller, R., and S. Cooper

2014 Phase I Abbreviated Report for the Proposed Blanket Creek (OHLO1296) Wireless Cellular Tower in Pendleton County, Kentucky (FY14-7943). Weller & Associates, Inc.

#### Cooper, S., and R. Weller

2014 Phase I Cultural Resource Management Survey for the Proposed Liberty Wireless Cell Tower (SOH2446) in Jefferson Township, Montgomery County, Ohio. Weller & Associates, Inc.

# Cooper, S., and R. Weller

2014 Phase I Cultural Resources Management Survey for the Proposed Ridgeland (SOH3923) Wireless Cellular Tower in Lick Township, Jackson County, Ohio. Weller & Associates, Inc.

# Cooper, S., and R. Weller

2014 Phase I Cultural Resource Management Survey for the Proposed Hilliard 911 Wireless Cell Tower in Norwich Township, Franklin County, Ohio. Weller & Associates, Inc.

### Cooper, S., and R. Weller

2014 Phase I Archaeological Investigations for the WV660 Variable Width Utility Easement in Cabell County, West Virginia. Weller & Associates, Inc.

# Cooper, S., and R. Weller

2014 Phase I Cultural Resources Management Survey for the Proposed Rachel Wireless Cellular Tower in Marion County, West Virginia. Weller & Associates, Inc.

# Weller, R., and S. Cooper

2014 Phase I Archaeological Survey for the Proposed Watertown Wireless Cell Tower in Watertown Township, Washington County, Ohio. Weller & Associates, Inc.

### Cooper, S., and R. Weller

2014 Phase I Cultural Resources Management Survey for the Proposed Nutter Farm Wireless Cellular Tower in Grant Township, Ritchie County, West Virginia. Weller & Associates, Inc.

#### Cooper, S., and R. Weller

2014 Phase I Archaeological Survey for the Proposed Verona Wireless Cellular Tower in Penn Hills Township, Allegheny County, Pennsylvania. Weller & Associates, Inc.

### Cooper, S., and R. Weller

2014 Phase I Cultural Resources Management Survey for the Proposed WV207 Wireless Cellular Tower in Wayne County, West Virginia. Weller & Associates, Inc.

#### Cooper, S., and R. Weller

2014 Phase I Cultural Resources Management Survey for the Proposed Lansing Wireless Cellular Tower in Fayette County, West Virginia. Weller & Associates, Inc.

#### Weller, R., and S. Cooper

2014 Phase I Archaeological Survey for the Proposed Alum Creek Wireless Cellular Tower (SOH3274) in Berlin Township, Delaware County, Ohio. Weller & Associates, Inc.

# Weller, R., and S. Cooper

2014 Phase I Abbreviated Report for the Proposed OHL01376/Villa Hills KY Wireless Cellular Tower in Kenton County, Kentucky (FY14- 8117). Weller & Associates, Inc.

# Weller, R., S. Cooper, and T. Barrett

2014 Phase I Abbreviated Report for the Proposed Stamping Ground 2 - Caudill Wireless Cellular Tower in Scott County, Kentucky (FY14-8118). Weller & Associates, Inc.

# Weller, R., and S. Cooper

2014 Phase I Archaeological Survey for the Proposed Cornerstone Wireless Cell Tower in Miami Township, Greene County, Ohio. Weller & Associates, Inc.

# Cooper, S., and R. Weller

2014 Phase I Cultural Resources Management Survey for the Proposed River View South Cellular Tower in Jefferson Township, Coshocton County, Ohio. Weller & Associates, Inc.

# Weller, R., and S. Cooper

2014 Phase I Archaeological Survey for the Proposed Kirby Wireless Cell Tower in Turtle Creek Township, Warren County, Ohio. Weller & Associates, Inc.

### Cooper, S., and R. Weller

2014 Phase I Archaeological Survey for the Proposed Woodhill Church (W036) Wireless Cellular Tower in Marshall County, West Virginia. Weller & Associates, Inc.

#### Weller, R., and S. Cooper

2014 Phase I Archaeological Survey for the Proposed Polk Run (OHL01042) Cellular Tower in Symmes Township, Hamilton County, Ohio. Weller & Associates, Inc.

#### Weller, R., and S. Cooper

2014 Phase I Archaeological Survey for the Proposed Rolling Meadows Wireless Cell Tower in Washington Township, Clermont County, Ohio. Weller & Associates, Inc.

#### Cooper, S., and R. Weller

2014 Phase I Cultural Resources Management Survey for the Proposed Brentwood Lake Elyria Wireless Cellular Tower in Eaton Township, Lorain County, Ohio. Weller & Associates, Inc.

# Weller, R., and S. Cooper

2014 Phase I Cultural Resources Management Survey for the Proposed Collinsdale Wireless Cellular Tower in Cabin Creek District, Kanawha County, West Virginia. Weller & Associates, Inc.

# Weller, R., and S. Cooper

2014 Phase I Archaeological Survey for the Proposed Darbyville (OH3459) Wireless Cellular Tower in Muhlenberg Township, Pickaway County, Ohio. Weller & Associates, Inc.

### Cooper, S., and R. Weller

2014 Phase I Archaeological Survey for the Proposed M039 Aurora Wireless Cellular Tower in Preston County, West Virginia. Weller & Associates, Inc.

# Weller, R., and S. Cooper

2014 Phase I Cultural Resource Management Survey for the Proposed OH Stanleyville Wireless Cellular Tower in Fearing Township, Washington County, Ohio. Weller & Associates, Inc.

# Weller, R., and S. Cooper

2014 Phase I Archaeological Survey for the Proposed W027 Point Mills Cellular Tower in Ohio County, West Virginia. Weller & Associates, Inc.

# Cooper, S., and R. Weller

2014 Phase I Archaeological Survey for the Proposed Gipsy Wireless Cellular Tower in Montgomery Township, Indiana County, Pennsylvania. Weller & Associates, Inc.

### Weller, R., and S. Cooper

2014 Phase I Cultural Resources Management Survey for the Proposed Teegarden (HV883) Cellular Tower in Salem Township, Columbiana County, Ohio. Weller & Associates, Inc.

# Weller, R., and S. Cooper

2014 Phase I Archaeological Survey for the Proposed OH North Grove Cemetery Cellular Tower at 7179 US-127, Celina (45822) in (Jefferson Township), Mercer County, Ohio. Weller & Associates, Inc.

#### Weller, R., and S. Cooper

2014 Phase I Cultural Resource Management Survey for the Proposed New Castle North Cellular Collocation in Lawrence County, Pennsylvania. Weller & Associates, Inc.

# Weller, R., and S. Cooper

2014 Phase I Archaeological Survey for the Proposed Rock Springs Wireless Cellular Tower (SOH3939) in Salisbury Township, Meigs County, Ohio. Weller & Associates, Inc.

### Weller, R., A. Ledezma, and S. Cooper

2014 Phase I Archaeological Survey for the Proposed Oneota Wireless Cell Tower in Ohio Township, Clermont County, Ohio. Weller & Associates, Inc.

# Cooper, S., and R. Weller

2014 Phase I Archaeological Survey for the Proposed Old Concord (P569) Wireless Cellular Tower in Morris Township, Washington County, Pennsylvania. Weller & Associates, Inc.

# Weller, R., S. Cooper, and A. Thomas

2014 Phase I Archaeological Survey for the Wise Road Cell Tower (OHL02371) in Butler Township (City of Vandalia), Montgomery County, Ohio. Weller & Associates, Inc.

# Weller, R., and S. Cooper

2014 Phase I Cultural Resources Management Survey for the Proposed Salt Springs Cellular Tower in the City of Youngstown, Mahoning County, Ohio. Weller & Associates, Inc.

# Barrett, T., R. Weller, and S. Cooper

2014 Phase I Report for the Proposed University Hospital Wireless Cellular Collocation in Jefferson County, Kentucky (FY151882). Weller & Associates, Inc.

### Barrett, T., R. Weller, and S. Cooper

2014 Phase I Report for the Proposed CHURCHILL DOWNS DAS ZONE 20 A and B Wireless Cellular Collocation in the City of Louisville, Jefferson County, Kentucky (FY15-1885). Weller & Associates, Inc.

### Barrett, T., R. Weller, and S. Cooper

2014 Phase I Report for the Proposed CHURCHILL DOWNS DAS ZONE 8-B Wireless Cellular Collocation in the City of Louisville, Jefferson County, Kentucky (FY15-1884). Weller & Associates, Inc.

#### Barrett, T., R. Weller, and S. Cooper

2014 Phase I Report for the Proposed CHURCHILL DOWNS DAS ZONE 8-A Wireless Cellular Collocation in the City of Louisville, Jefferson County, Kentucky (FY15-1883). Weller & Associates, Inc.

# Weller, R., T. Barrett, and S. Cooper

2014 Phase I Cultural Resource Management Survey for the Proposed Gridley Park Cellular Collocation in Erie County, Pennsylvania. Weller & Associates, Inc.

Weller, R., and S. Cooper

2014 Phase I Cultural Resources Management Survey for the Proposed Mosquito Creek Wireless Cellular Tower in Mecca Township, Trumbull County, Ohio. Weller & Associates, Inc.

# Weller, R., and S. Cooper

2014 Phase I Archaeological Survey for the Proposed Fort Loramie Wireless Cell Tower (SOH2327) in McLean Township, Shelby County, Ohio. Weller & Associates, Inc.

# Weller, R., and S. Cooper

2014 Phase I Archaeological Survey for the Proposed Hooven (OHL01065) Cellular Tower in Whitewater Township, Hamilton County, Ohio. Weller & Associates, Inc.

# Cooper, S., and R. Weller

2014 Phase I Abbreviated Report for the Proposed Russell Heights Wireless Cellular Tower in Greenup County, Kentucky (FY14-8204/1896). Weller & Associates, Inc.

# Cooper, S., R. Weller, and T. Barrett

2014 Phase I Cultural Resources Management Survey for the Proposed Ritter Park Wireless Cellular Tower in the City of Huntington, Cabell County, West Virginia. Weller & Associates, Inc.

# Weller, R., S. Cooper, and A. Thomas

2014 A Phase I Archaeological Survey for the 38th & Post (MW04607C) Wireless Cell Tower Location in Marion County, Indiana. Weller & Associates, Inc.

# Cooper, S., and R. Weller

2014 Phase I Archaeological Survey for the Proposed Pine Lake (OH3432) Wireless Cell Tower in Hocking Township, Fairfield County, Ohio. Weller & Associates, Inc.

# Cooper, S., and R. Weller

2014 Phase I Abbreviated Report for the Proposed WHF Training Center Wireless Cellular Tower in Muhlenberg County, Kentucky (FY15-8238/1901). Weller & Associates, Inc.

#### Weller, R., S. Cooper, and T. Barrett

2014 Phase I Cultural Resources Management Survey for the Proposed Bradford Street Wireless Cellular Tower in the City of Charleston, Kanawha County, West Virginia. Weller & Associates, Inc.

# Weller, R., and S. Cooper

2014 Phase I Cultural Resource Management Survey for the Proposed Zediker Cellular Collocation in Washington County, Pennsylvania. Weller & Associates, Inc.

#### Cooper, S., and R. Weller

2014 Phase I Archaeological Survey for the Proposed Delaware Southeast Wireless Cell Tower (SOH3290) in Delaware Township, Delaware County, Ohio. Weller & Associates, Inc.

#### Cooper, S., and R. Weller

2014 Phase I Cultural Resources Management Survey for the Proposed Andover North Wireless Cellular Tower in Andover Township, Ashtabula County, Ohio. Weller & Associates, Inc.

#### Cooper, S., and R. Weller

2014 Phase I Cultural Resources Management Survey for the Proposed Thompson Northwest Wireless Cellular Tower in Thompson Township, Geauga County, Ohio. Weller & Associates, Inc.

#### Cooper, S., and R. Weller

2014 Phase I Cultural Resources Management Survey for the Proposed Middlefield Southeast Wireless Cellular Tower in Middlefield Township, Geauga County, Ohio. Weller & Associates, Inc.

#### Cooper, S., and R. Weller

2014 Phase I Cultural Resources Management Survey for the Proposed Welshfield North Wireless Cellular Tower in Troy Township, Geauga County, Ohio. Weller & Associates, Inc.

#### Cooper, S., T. Barrett, and R. Weller

2014 Phase I Archaeological Survey for the Proposed Kirby II Wireless Cell Tower in Turtle Creek Township, Warren County, Ohio. Weller & Associates, Inc.

#### Cooper, S., and R. Weller

2014 Phase I Archaeological Survey for the Proposed Lee Harvard (OH0763) Wireless Cellular Tower in the City of Cleveland, Cuyahoga County, Ohio. Weller & Associates, Inc.

#### Cooper, S., R. Weller, and A. Thomas

2014 Phase I Cultural Resource Management Survey for the Bellville East Wireless Cell Tower (MNFD-039) in Jefferson Township, Richland County, Ohio. Weller & Associates, Inc.

#### Cooper, S., and R. Weller

2014 Phase I Cultural Resource Management Survey for the Apple Creek East Wireless Cell Tower (MROW-152) In East Union Township, Wayne County, Ohio. Weller & Associates, Inc.

#### Cooper, S., and R. Weller

2014 Phase I Cultural Resource Management Survey for the Mount Eaton West Wireless Cell Tower (MROW 155) in Salt Creek Township, Wayne County, Ohio. Weller & Associates, Inc.

#### Cooper, S., and R. Weller

2014 Phase I Cultural Resource Management Survey for the Craigton Wireless Cell Tower (MROW-153) in Clinton Township, Wayne County, Ohio. Weller & Associates, Inc.

#### Weller, R., and S. Cooper

2014 Phase I Archaeological Survey for the Approximately 289 m (950 ft) Long Access Corridor #2 for the Neffs (W033) Cellular Tower in Pultney Township, Belmont County, Ohio. Weller & Associates, Inc.

#### Weller, R., and S. Cooper

2014 Cultural Resource Management Literature Review for the Clover Water Pipeline Project in Smithfield District, Roane County, West Virginia. Weller & Associates, Inc.

#### Weller, R., and S. Cooper

2014 Phase I Cultural Resource Management Survey for the Proposed Alert (HMTN-032) Wireless Cell Tower in Morgan Township, Butler County, Ohio. Weller & Associates, Inc.

#### Weller, R., and S. Cooper

2014 Phase I Cultural Resource Management Survey for the Proposed College Corner (HMTN-034) Wireless Cell Tower in Oxford Township, Butler County, Ohio. Weller & Associates, Inc.

#### Weller, R., and S. Cooper

2014 Phase I Cultural Resource Management Survey for the Proposed Fairgrove (HMTN-035) Wireless Cell Tower in the City of Hamilton Township, Butler County, Ohio. Weller & Associates, Inc.

#### Weller, R., and S. Cooper

2014 Phase I Cultural Resource Management survey for the Proposed Phillipsburg Cellular Tower (DYIN-135) in Clay Township, Montgomery County, Ohio. Weller & Associates, Inc.

#### Weller, R., and S. Cooper

2014 Phase I Cultural Resource Management survey for the Proposed Phillipsburg Cellular Tower (DYIN-135) in Clay Township, Montgomery County, Ohio. Weller & Associates, Inc.

#### Weller, R., and S. Cooper

2014 Phase I Cultural Resource Management Survey for the Proposed Vandervorts (CNCN-344) Wireless Cell Tower in Massie Township, Warren County, Ohio. Weller & Associates, Inc.

#### Weller, R., C. Nelson, and S. Cooper

2014 Phase I Archaeological Survey for the Proposed Zuber Young Wireless Cell Tower (CLMB-359) in Jackson Township, Franklin County, Ohio. Weller & Associates, Inc.

#### Weller, R., and S. Cooper

2014 Phase I Archaeological Survey for the Proposed Rickenbacker North Wireless Cell Tower (SOH3144) in Hamilton Township, Franklin County, Ohio. Weller & Associates, Inc.

#### Weller, R., and S. Cooper

2014 Phase I Archaeological Survey for the Proposed Seclusion Woods Wireless Cell Tower in Plain Township, Franklin County, Ohio. Weller & Associates, Inc.

#### Weller, R., and S. Cooper

2014 Phase I Archaeological Survey for the Proposed US.WV.Wild Boar Cellular Tower in Hampshire County, West Virginia. Weller & Associates, Inc.

#### Nelson, C., and S. Cooper

2014 Phase I Cultural Resource Management Investigations for the Proposed US.PA.VIGI.Albrightsville Cellular Location in Penn Forest Township, Carbon County, Pennsylvania. Weller & Associates, Inc.

#### Nelson, C., and S. Cooper

2014 Phase I Cultural Resources Management Survey for the Proposed Huron County EMA Radio Tower in Greenfield Township, Huron County, Ohio. Weller & Associates, Inc.

#### Weller, R., S. Cooper, and A. Thomas

2014 A Phase I Archaeological Survey for the Tippecanoe Valley Lukens Wireless Cell Tower Location in Fulton County, Indiana. Weller & Associates, Inc.

#### Weller, R., and S. Cooper

2014 A Phase I Archaeological Survey for the Homefarm Wireless Cell Tower Location in LaPorte County, Indiana. Weller & Associates, Inc.

#### Cooper, S., and R. Weller

2014 Phase I Cultural Resources Management Survey for the Proposed West Richfield Substation (Hinckley East) Wireless Cellular Tower in Richfield Township, Summit County, Ohio. Weller & Associates, Inc.

#### Weller, R., and S. Cooper

2014 Cultural Resource Management Literature Review for the Pokagon and Kenzie Creek Station 69kV Rebuild and 138kV Extension in Cass County, Michigan. Weller & Associates, Inc.

#### Weller, R., and S. Cooper

2014 Cultural Resource Management Literature Review for the 1.41 ha (3.5 ac) Godown and Slade Avenue Housing Development in Perry Township, Franklin County, Ohio. Weller & Associates, Inc.

#### Weller, R., and S. Cooper

2014 A Phase I Archaeological Survey for the Waynedale Wireless Cell Tower Location in the City of Fort Wayne, Allen County, Indiana. Weller & Associates, Inc.

#### Cooper, S., and R. Weller

2014 Phase I Cultural Resource Management Survey for the Proposed River View South Verizon Wireless Cell Tower in Jefferson Township, Coshocton County, Ohio. Weller & Associates, Inc.

#### Weller, R., and S. Cooper

2014 Phase I Archaeological Survey for the Proposed Atwood Lake (NOH6237) Wireless Cellular Tower in Monroe Township, Carroll County, Ohio. Weller & Associates, Inc.

#### Weller, R., and S. Cooper

2013 Phase I Abbreviated Report for the Proposed Blevins Gap Wireless Cellular Tower in Jefferson County, Kentucky (FY14-7758). Weller & Associates, Inc.

#### Weller, R., and S. Cooper

2013 A Phase II Archaeological Assessment of Site 46GB473 within the Proposed Ft. Springs PCS Access Road and Lease Limits, Greenbrier County, West Virginia. Weller & Associates, Inc.

#### Weller, R., and S. Cooper

2013 Cultural Resource Management Literature Review for the Proposed .4 ha (1.0 ac) Mill Creek Culvert Extension in Sharonville, Hamilton County, Ohio. Weller & Associates, Inc.

#### Weller, R., and S. Cooper

2013 Phase I Abbreviated Report for the Proposed Salt River Wireless Cellular Tower in Bullitt County, Kentucky (FY147847). Weller & Associates, Inc.

Weller, R., and S. Cooper

2013 Phase I Abbreviated Report for the Proposed Castleman Branch Wireless Cellular Tower in Bullitt County, Kentucky (FY14-7861). Weller & Associates, Inc.

#### Weller, R., and S. Cooper

2013 Cultural Resource Management Literature Review for the Proposed Redwood Acquisition, LLC Clough Pike (Approx. 70 Acres) Acres Development Project in Union Township, Clermont County, Ohio. Weller & Associates, Inc.

#### Cooper, S., and R. Weller

2013 Cultural Resource Management Literature Review for the Proposed Approximately 1.0 ha (2.5 ac) Adams Station Project in Meigs Township, Adams County, Ohio. Weller & Associates, Inc.

#### Weller, R., and S. Cooper

2013 Cultural Resource Management Literature Review for the Stringtown Pipeline Project in McElroy Township, Tyler County and Green Township, Wetzel County, West Virginia. Weller & Associates, Inc.

#### Weller, R., and S. Cooper

2013 Cultural Resource Management Literature Review for the Proposed BFT Tank Site in McElroy Township, Tyler County, West Virginia. Weller & Associates, Inc.

#### Cooper, S., and R. Weller

2013 Cultural Resource Management Literature Review for the Proposed 7.7 ha (19.1 ac) National Lime & Stone Distribution Yard in Green Township, Harrison County, Ohio. Weller & Associates, Inc.

# APPENDIX E: FINAL REVISION TWO – PHASE 1 ENVIRONMENTAL SITE ASSESSMENT



## **Final Revision Two**

# PHASE I ENVIRONMENTAL SITE ASSESSMENT

#### **FOR**

# PADEN CITY WASTEWATER TREATMENT PLANT 0 W MAIN STREET PADEN CITY, WETZEL COUNTY, WEST VIRGINIA

#### Prepared for:

The City of Paden City 208 W Main Street Paden City, WV 26159

#### Prepared by:

The Thrasher Group, Inc. 1000 Corporate Landing Charleston, West Virginia 25311

> February 20, 2024 101-020-10082

COMPLEX PROJECTS
REQUIRE RESOLVE
THRASHER'S GOT IT

February 20, 2024

Scott D. Swansinger, PMP Project Manager U.S. Army Corps of Engineers Pittsburgh District 1000 Liberty Ave Pittsburgh, PA 15222

RE: Section 219 - Paden City Sanitary Sewer System Improvements Project Environmental Site Assessment Report Comments Thrasher Project #020-10082

The Thrasher Group received six (6) follow-up comments to be revised for the Paden City Sanitary Sewer Improvements project (#020-10082) Phase I ESA on Thursday, February 15, 2024, from Mr. Scott D. Swansinger, PMP. Below are the current responses to the follow-up comments as revised in the Phase I ESA document for the project.

#### 71 – Follow-up Comment:

Please reference a map that indicates the area/limit of this Phase I ESA. If there are any construction/ground disturbing activities outside of the limit of the WWTP, please include this area in this Phase I ESA.

#### **Follow-up Response:**

**Figure 2, Aerial Site Location** map, accurately indicates the Limit of Disturbance and Proposed Building of this Phase I ESA, and **Figure 1, USGS Site Location** map, accurately portrays the surrounding areas outside of the limit of disturbance. Thrasher has made the following addition to the introduction paragraph of '3.1.2 Current Site Uses':

"The limit of disturbance and area of interest of the site are depicted on **Figure 1 and Figure 2**."

#### 75 – Follow-up Comment:

Please address the condition of the containers and AST (there appears to be evidence of releases - see Photo 21 - is this a REC?). Please indicate whether or not the AST and containers have secondary containment systems/other spill controls in place, or if are they not required, please state why.

#### **Follow-up Response:**

The ASTs onsite are not regulated by WVDEP as they contain <1,320 gallons of capacity. Additionally, the tanks are located inside a building which acts as secondary containment. The tanks contain sodium bisulfate, which is used in normal operations of the wastewater treatment plant and are not considered a recognized environmental condition.

#### **86 – Follow-up Comment:**

Please use ASTM E1527-21 instead of ASTM D1527-13.

#### **Follow-up Response:**

Thrasher has corrected the document references from 'ASTM E1527-13' to 'ASTM E1527-21' in all sections.

#### **104 – Follow-up Comment:**

Please add statement in this paragraph that "PFAS is ubiquitous..." for clarification.

#### **Follow-up Response:**

Thrasher has updated the section as follows:

"PFAS are a group of manufactured chemicals that are used in the manufacturing of a variety of products, many of which do not break down quickly and have the ability to bioaccumulate in organisms and the environment. The USEPA has listed PFAS as an emergent group of contaminants but there are not any current regulations on any of the chemical compounds. A PFAS investigation was not completed as part of this Phase I ESA scope of work. It is not currently suspected, but it is uncertain if PFAS compounds have been used at the site. If knowledge or documentation become available that indicate use of PFAS onsite, further site investigation may be warranted. PFAS compounds are ubiquitous and likely to be found almost everywhere due to widespread use since being created."

#### **106 – Follow-up Comment:**

Please state that an NPDES permit for construction activities will be obtained and E&S controls will be provided as part of the permit.

#### Follow-up Response:

Thrasher has added the following to section '6.6. Wetland / Erosion and Soil Control Concerns': "All required permits, including a construction stormwater permit with appropriate E&S controls, will be acquired prior to construction activities."

#### **120 – Follow-up Comment:**

Please add table numbers to each table within the report and reference them within the text. Additionally. Add a Table of Tables after the Table of Contents

#### Follow-up Response:

Although Thrasher believes this to be unnecessary and redundant, Thrasher has labeled each table within the report (Tables 1-10) as they are referenced throughout the report. A "Table of Tables" has also been included after the Table of Contents.

February 2, 2024

Scott D. Swansinger, PMP Project Manager U.S. Army Corps of Engineers Pittsburgh District 1000 Liberty Ave Pittsburgh, PA 15222

RE: Section 219 - Paden City Sanitary Sewer System Improvements Project Site Assessment Report Comments Thrasher Project #020-10082

The Thrasher Group received comments (69-123) to be revised for the Paden City Sanitary Sewer Improvements project (#020-10082) Phase I ESA on Wednesday, January 17, 2024, from Mr. Scott D. Swansinger, PMP. Below are the responses to comments (69-123) as revised in the Phase I ESA document for the project.

#### 69 – Comment:

1.0 Introduction - 1st paragraph, "City of Paden City" and "Town of Paden City" on page 16 in 4.3.2 Topographic Maps section

#### **Response:**

All occurrences have been changed to "City of Paden City."

#### **70 – Comment:**

No explicit description of exterior observations

#### Response:

Section 3.1 Site Visit and all the subsections describe our observations during the site visit of January 6, 2023.

#### 71 – Comment:

3.1.2 Current Site Uses - Describe the service area of the WTP in further detail.

#### Response:

Thrasher does not believe this comment is relevant to the identification of recognized environmental conditions at the site. The reviewer can review the Preliminary Engineering Report (Thrasher 2021) to learn more about the operations of the facility and proposed upgrades.

#### **72 – Comment:**

3.1.1 Methodology and Limiting Conditions - describe limiting conditions.

#### Response:

Section 3.1.1 Methodology and Limiting Conditions was updated to include the following sentence.

"Thrasher did not observe obvious limiting conditions pertaining to identifying recognized environmental conditions during our site visit."

#### 73 – Comment:

Please add a section describing in more detail the exterior portion of the site visit according got section 9.2.2 Exterior of the ASTM E1527-21.

#### **Response:**

Thrasher's site visit observations are noted throughout Section 3 of the report and documented in the photo log. Section 3.1.8 has been updated to include the following sentence: "The facility is regularly maintained and generally in good condition."

We also refer the reviewer to the photos for general site condition, as can be seen in photos (1, 2, 3, 4, 11, 12, 13, 14, 15, 16, and 22).

#### 74 – Comment:

3.1.3 Site operations, Processes, and Equipment - Please introduce the Table and explain the yes/no column, add further description of the waste treatment systems and/or water treatment systems, and which structures have heating and/or cooling systems if available. Do this for all tables within the report.

#### Response:

Thrasher added the following clarification at the end of Section 3.1.2

"The following tables identify the observations noted during the site reconnaissance on the day of the site visit. The "yes" and "no" columns in the tables are observations if those conditions were present on site the day of the site visit. The paragraph following each table contains additional information about the site observations. In general, equipment and structures on site are maintained and in working order." Thrasher does not believe further description of site observations is necessary for the identification of recognized environmental conditions at the site.

#### 75 – Comment:

3.1.4 Aboveground Chemical or Waste Storge - go into more detail on the several containers that are used for storage for chemicals in the WW treatment process.

#### Response:

Thrasher has identified the 500-gallon AST associated with the emergency generator, chlorine gas cylinders and two small poly treatment tanks containing sodium bisulfate that are commonly used in the wastewater treatment process. Additionally, these items are photo documented in Photos 19-21. The condition of these items is good, and they are actively being used in everyday business. Thrasher does not believe further description is required in this Phase I ESA document, as these are not recognized environmental conditions.

#### 76 – Comment:

3.1.5 Underground Chemical or Waste Storage, Drainage, or Collection Systems - where are the catch basins located? Add more detail. See also comment 6.

#### **Response:**

Catch basin locations identified by the Site Photo 3 (Appendix C) and further described as near the southern end of the property in Section 3.1. 5..

#### 77 – Comment:

3.1.6 Electrical Transformers/Polychlorinated Biphenyls (PCBs) - describe where the transformers are located. See also comment 6.

#### Response:

Section 3.1.6 has been updated to state:

"There are two transformers on site, one of which is located in the office building, that are used in the electrical components of the wastewater treatment facility. It is uncertain if these transformers may contain PCB, as no PCB free stickers were observed. It is suggested that if these transformers are to be taken out of service in the future, they should be sampled, analyzed by a laboratory, and treated appropriately according to analytical results. Photographic observations can be found in **Appendix C (Photo 6)**."

#### 78 – Comment:

3.1.7 Releases or Potential Releases - describe the several areas on site that have various trash/debris stockpiled. Add more detail on the "dumping and disposal areas", too. See also comment 6.

#### Response:

Thrasher has updated this section as follows:

"There is one dumpster on site, located outside of the headworks building, that is regularly emptied and hauled away by Solid Waste Services of WV. There are several areas on site that have various trash/debris stockpiled with a collection of metals, tires, and/or piping/tubing, piled up in an unused drying bed (Photo 16). There are strong odors present throughout the site associated with the wastewater treatment process. There is one NPDES outlet that discharges treated water into the Ohio River. Photographic observations can be found in **Appendix C** (**Photo 15 – 23**)."

#### **79 – Comment:**

3.1.8 Other Notable Site Features - describe in more detail what happens to the influent that the WWTP can't treat during storm events. See also comment 6.

#### Response:

Thrasher has updated this section as follows:

"There are several man-made basins that are used in the wastewater treatment process. Stormwater from the local area is routed to the wastewater treatment facility in a combined wastewater system, the facility currently does not have the capacity to treat all the stormwater that is received during high flow events. Consequently, overflows to the receiving stream occasionally occur and are reported to WVDEP as documented in the NPDES permit information."

#### 80 – Comment:

3.2 Vapor Encroachment Screen (VES) - please go into more detail on how the conclusion that vapor encroachment is not an environmental concern at this time.

#### **Response:**

Thrasher updated this section was updated to include:

"No evidence of subsurface soil hydrocarbon contamination was identified on the industrial site; therefore, vapor encroachment is not an environmental concern at this time. Additionally, VEC are not generally considered for industrial facilities."

#### 81 – Comment:

3.3 Off Site-Reconnaissance - explain reasoning behind why the Railroad tracks pose an environmental concern in the narrative, see also comment 6.

#### **Response:**

This section was updated with the following:

"The railroad tracks have potential to pose risk to the site in the event of a derailment. Historically, railroad beds may contain polycyclic aromatic hydrocarbon (PAH) compounds in surface soils from the use of creosote treated railroad timbers."

#### 82 – Comment:

3.3 Off-site reconnaissance - discuss previous uses of adjoining and adjacent properties per section 8.3.9 Uses of the Adjoining Properties and 8.3.10 Uses of Properties in the surrounding Area of the ASTM E1527-21

#### **Response:**

Thrasher updated this section as follows:

"There are railroad tracks that run in close proximity along the eastern side of the property and may pose an environmental concern. The area on the eastern side of the railroad tracks has a long history of industrial/manufacturing activities. The railroad tracks have potential to pose risk to the site in the event of a derailment. Historically, railroad beds may contain polycyclic aromatic hydrocarbon (PAH) compounds in surface soils from the use of creosote treated railroad timbers. The site boundary is depicted on **Figure 1** and **Figure 2**."

#### 83 – Comment:

4.2.1 Geology - please include any relevant maps showing the soil and geology of the project area.

#### Response:

Thrasher added:

"Relevant maps showing soil and geology of the project area are listed in the "GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY" section of the "EDR Radius Map Report with GeoCheck" in Appendix D."

#### 84 – Comment:

Must include and discuss all Mandatory Standard Physical Setting Resources listed in Table 1 of ASTM E1527-21. Provide in-text references to any maps in appendices as well.

#### Response

Thrasher has adequately described the physical setting of the site and appropriately referenced **Figure 1** and the EDR report in **Appendix D** in Section 4.2.1 of the Phase I ESA Report.

#### 85 – Comment:

4.0 Physical Setting, Historical Records Review, and Regulatory Records Review - discuss the topography of the area.

#### **Response:**

Thrasher has adequately described the site topography at the end of Section 4.2.1:

"Based on a review of the USGS topographic map included in **Figure 1** and the EDR Radius Map Report (**Appendix D**), surface elevation is around 623 feet above mean sea level with sloping towards the Ohio River. The site is in the floodplain of the Ohio River with relatively flat terrain within the property boundary, with the exception of some higher terrain around some of the constructed structures on site."

#### 86 – Comment:

4.1 Commonly Known or Reasonably Ascertainable Information - address Section 8.1.5 Reasonable Time and Cost from ASTM E1527-21 in this section.

#### Response:

The information presented in this Phase I ESA was obtained in accordance with ASTM Section 8.1.5: Reasonable Time and Cost. Thrasher does believe that further explanation is required.

#### 87 – Comment:

4.3 Historical Records Review - must draw conclusions from the historical sources within the subsections.

#### **Response:**

Updates were made generally to Section 4.3 as indicated below in the specific subsection comments.

#### 88 – Comment:

4.3.1 Historical Ariel Photographs - Need to summarize and draw conclusions from this resource within this section in narrative format.

#### **Response:**

The section was updated to state:

"The existing wastewater treatment plant appears to be established on site beginning in 1960 based on the visible disturbance and corresponding 1960 Topo review. Buildings appear on site in 1972 to 1976 with no other changes to report within the site or surrounding areas in subsequent years. In 1997, the surrounding northern boundary appears to have been disturbed."

#### 89 – Comment:

4.3.2 Topographic Maps - Need to summarize and draw conclusions from this resource within this section in narrative format.

#### **Response:**

The section was update to state:

"The wastewater treatment plant appears on the mapping beginning in 1960 and the railroad exist on the 1906 map. No other discernable information regarding hazardous materials can be concluded."

#### 90 – Comment:

4.3.3 Sanborn Fire Insurance - Need to explain any findings from those maps in this section.

#### Response:

Thrasher has updated this section as follows:

"The Sanborn Fire Insurance Map from 1930 shows the site boundary north of Railroad Avenue with no apparent structures or details listed. To the west/southwest of the site boundary, across Main Street, shows five identical residential dwellings with Monongahela Iron identified as not in operation. Two to three sets of Baltimore & Ohio Railroad tracks appear to the northeast running to the southwest of the site. Opalescent Glass is identified toward the east of the site. Several roads and structures appear to the south and southeast of the site.

In 1940, the site is still vacant and not developed, however the previous five dwellings and the Monongahela Iron site was listed as demolished, and all buildings removed. Opalescent Glass is still identified toward the east of the site.

In 1950, the site is still not developed, and no changes appear from the 1940 mapping."

#### 91 – Comment:

4.3.4 City Directories - Conclude whether the doctor offices and fire department are an issue.

#### Response:

Thrasher added the following to this section:

"No environmental documents or violations were identified in historic records searches. Therefore, the doctor offices and fire department properties are not considered environmental concerns for the site."

#### 92 – Comment:

4.4.1 Radius Map - Add description on what the radius map is, what sources were searched.

#### Response:

Thrasher's existing description in Section 4.4.1 is adequate, if the reviewer wants additional information, please see **Appendix D**:

"A computerized search of Federal and state environmental databases was compiled by EDR on December 13, 2022. EDR compiled the search of Federal and state databases that included records of hazardous waste permits and activities, compliance histories, and documented onsite contamination within the specified radius. This report was designed to assist parties seeking to meet the search requirements of the USEPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the *ASTM Standard Practice for Environmental Site Assessments E1527-21*, or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate. A complete list and description of all databases searched can be found at the end of the EDR Radius Map Report in **Appendix D**."

#### 93 – Comment:

4.5 Records Review Summary - must include a table of all of the sites that resulted from the EDR search, and explain why or why not each of these sites is considered a REC.

#### Response

Section 4.5 table has been updated.

#### 94 – Comment:

4.5 Records Review Summary - must include a statement on the accuracy and completeness of the search.

#### Response

To our knowledge, Thrasher's Environmental Professional does not believe that any *obvious* mistakes or insufficiencies are present in the records review. Therefore, we do not believe any statement on the accuracy and completeness applicable to this site is necessary.

ASTM E1527-21 Section 8.1.3 states:

8.1.3 Accuracy and Completeness—Accuracy and completeness of record information varies among information sources, including governmental sources. Record information is often inaccurate or incomplete. Neither the *user* nor the *environmental professional* is obligated to identify mistakes or insufficiencies in information provided. However, the *environmental professional* reviewing records shall make a reasonable effort to compensate for mistakes or

insufficiencies in the information reviewed that are *obvious* in light of other information of which the *environmental professional* has *actual knowledge*.

#### 95 – Comment:

4.4.1.1 Water wells/groundwater flow direction - add and discuss the 11 wells and draw conclusions as to if they are going to be affected/how they would pose an impact to the work.

Add description to the groundwater flow and how that will affect the project. Add a general description of how this information is relevant. Is there a contaminated site that could potentially flow via groundwater to the project area?

#### Response:

Thrasher updated this section as follows:

"According to the EDR Physical Settings Source Map (**Appendix D**), local groundwater flow appears to be in a northerly direction towards the Ohio River. However, groundwater wells are not anticipated to impact the wastewater treatment plant project and the project is not anticipated to impact the groundwater or groundwater wells."

#### 96 – Comment:

4.4.1.2 Floodplain - include the FEMA Flood Insurance Rate map as an appendix.

#### **Response:**

Thrasher updated this section as follows:

"According to the National Flood Hazard Layer Viewer and the EDR Physical Setting Map, the site is located within the 100-year floodplain on the Federal Emergency Management Agency Flood Insurance Rate Map number 54103C0131C. Floodplain information can be found in floodplain map in **Appendix D.**"

#### **97 – Comment**:

4.4.1.3 Oil/Gas Wells - add and discuss the 6 permits identified within one mile of the site. Include how, if at all, these wells could affect the project area.

#### **Response:**

Thrasher updates the report as follows:

"Based on the EDR Radius Map Report, zero oil and gas wells are listed for the target property and six conventional oil/gas well permits were identified within one mile of the site. Oil and gas well information can be found in **Appendix D.** The oil/gas wells appear to be in compliance with WVDEP regulations, as non-compliance information was identified in the regulatory database information. Therefore, they are not anticipated to have any adverse impacts to the project and the project is not anticipated to have any adverse impacts on the wells."

#### 98 – Comment:

4.4.2 Permit Search - second to last sentence, "an NPDES permit" to "a NPDES permit". Discuss the violations and spills.

#### Response:

The phrase has been corrected as suggested and the following addition has been updated to the section as follows:

"The WVDEP conducted a non-comprehensive inspection at the wastewater treatment facility for the City of the Paden City, where twenty-two (22) exceedances of the prescribed effluent limitations (Ammonia Nitrogen) were noted within the records review period

(January 2020 through July 2022). No other permits or violations for the site were identified through the FOIA requests."

#### 99 – Comment:

5.1 Owner and User Questionnaires - Give detail about the surface water contamination during rain events.

#### **Response:**

Mr. Jacobs did not provide any specific information related to the overflow events during high periods of rainfall. However, the WVDEP NPDES permit information is provided in Appendix I.

#### **100 – Comment:**

5.2 Interviews with Local Officials - were any other officials requested to be interviewed.

#### **Response:**

Thrasher requested and received information from the Wetzel County Office of Emergency Management, this correspondence is provided in Appendix A. The Paden City Wastewater Plant Operator also provided a questionnaire, which is included in Appendix A. No additional interviews were conducted.

#### **101 – Comment:**

6.0 Non-ASTM Scope Considerations - add intro paragraph as to why this section was included.

#### **Response**:

Updated this section by adding intro paragraph underneath header for the 6.0 Non-ASTM Scope Considerations section stating:

"Thrasher did not specifically conduct non-scope investigations as part of this Phase I ESA. However, general observations from the site reconnaissance or general consultant knowledge may be mentioned in the following sections to inform the reader of other items that may be considered for the site."

#### **102 – Comment:**

6.1 Asbestos-Containing Materials (ACMs) - Explain why this section was added. Is there known asbestos on the property?

#### **Response**:

For the reviewer's knowledge: It is common knowledge in the environmental field that asbestos building products were commonly used in construction activities up to the mid 1980's when the USEPA prohibited asbestos to be used in US Manufactured products. However, other countries continue to manufacture projects with asbestos to this day. It is WV State Law that an asbestos inspection must be conducted prior to building renovations or demolition within the state of WV.

#### **103 – Comment:**

6.2 Lead-Based Paint (LBP) - Explain why this section was added. Is there known LBP on the property?

#### Response:

For the reviewer's knowledge: It is common knowledge in the environmental field that lead based paint was commonly used in older paints. Sanding (sand blasting) or grinding of lead based can be harmful to workers and the surrounding environment if dust is not contained and personal protective equipment is not used during these types of activities. Therefore, Thrasher typically suggests some of these non-scope items if they may be encountered as a result of the proposed project.

#### **104 – Comment**:

6.4 PFAS - Discuss the reasonable suspicion of PFAS compounds potentially being on the site.

#### Response:

For the reviewer's knowledge: PFAS is ubiquitous and is present everywhere. Even at sites where it was not specifically manufactured or knowingly used, it is still likely present.

#### **105 – Comment:**

6.5 Radon - Please explain why Radon is not an environmental concern at this time.

#### Response:

Thrasher updated this section as follows:

"Radon is not of environmental concern to the site at this time considering that the site use and proposed project upgrades are industrial and will not be residential."

#### **106 – Comment:**

6.6 Wetland/Erosion and Soil Control Concerns - add NWI map as an attachment. Erosion and Soil Control Concerns are not addressed in this section.

#### **Response:**

This section was updated as follows:

"A site-specific aquatic resources evaluation with associated field delineation was not performed as a part of this Phase I ESA. According to a review of the National Wetlands Inventory (NWI) Map for the site, as maintained by the United States Department of the Interior, Fish and Wildlife Service, and the EDR Radius Map Report (**Appendix D**), there are zero NWI mapped wetlands within the confines of the site area. It should be noted that the WVDEP TAGIS mapper shows two mapped wetlands on site. However, both mapped wetlands are of the Cowardian classification PRBkr, which stands for palustrine, rock bottom, artificially flooded, artificial. They are both man-made treatment reservoirs which are associated with the target property.

Although the site is relatively flat and well vegetated as of the site visit, the proposed construction activities may require a WVDEP Construction Stormwater Permit depending on the size of the proposed construction area to be disturbed."

#### **107 – Comment**:

8.0 Conclusions - REC, explain the 3 violations and spills in more detail and how the upgrades would address the REC.

#### Response:

Thrasher made the following updates to Section 8:

"Paden City WWTP (NPDES: WV0020613) is the target property. The NPDES permit associated with the target property has received three NOVs and two documented overflows in the past five years. The most recent incident was an NOV on September 19, 2022. The WVDEP conducted a non-comprehensive inspection at the wastewater treatment facility for the City of the Paden City, where twenty-two (22) exceedances of the prescribed effluent limitations (ammonia nitrogen) were noted within the records review period (January 2020 through July 2022). Due to documented environmental issues associated with the site it is considered a REC.

The result of the proposed project at the site should address the documented exceedances of discharge limits and spills associated with infiltration and inflow issues the site has during high flow rainfall events."

#### **108 – Comment:**

Re-work section 7.2 Opinions to include what is outlined in 12.6 Opinions of ASTM 1527-21.

#### **Response:**

Thrasher updated this section as follows:

"After review of historical resources and the site reconnaissance, it is Thrasher's professional opinion that the REC identified as NPDES violations of wastewater system are an environmental concern for the target property. The documented exceedances of the NPDES discharge limits and overflows are associated with excess infiltration and inflow issues of the wastewater collection system during high flow rainfall events. These events are episodic releases of effluent to the surface water. Therefore, these overflow events are temporary in nature and do not pose any long-term site condition issues. However, the result of the proposed wastewater treatment plant upgrade at the site is designed to address these issues by increasing overall capacity of the wastewater treatment plant. Increased capacity and treatment of wastewater will reduce or eliminate future overflows and NPDES discharge limit violations. Further information about specific wastewater improvements can be found in the Preliminary Engineering Report (Thrasher 2021).

Several of the items identified in the records review summary table require No Further Action as determined by WVDEP. Therefore, they are not considered RECs for the site and are not anticipated to adversely affect the wastewater treatment plant expansion. The expansion of the wastewater treatment plant will ultimately improve compliance with the NPDES permit.

At this time, no additional environmental investigations are suggested for the REC identified in this report."

#### **109 – Comment:**

8.0 Conclusions - HREC, explain where the BFS Foods is in relation to the site, how groundwater flows and if it would even have had the chance to affect the site at any point in time. What was the leak composed of?

#### Response:

Updated this section as follows:

"BFS FOODS #23 (UST: 4805509; Leak-ID: 95-180) is located 0.089 miles southeast from the site. This property had a confirmed release when contaminated soils were encountered during UST closure excavation activities on October 31, 1995. Due to no indication that a release occurred from the current tanks or ancillary equipment and the results indicating elevated levels of semi-volatile compounds associated with diesel or kerosene fuels, it was determined that the release was due to a historic gasoline UST system at the property. According to the groundwater flow direction in relation to the target property and the constantly changing conditions of groundwater flow in proximity to the Ohio River, groundwater is not anticipated to adversely affect the proposed project. BFS Foods #23 is located southeast of the target property while groundwater generally

flows southwest towards the nearby Ohio River. Contaminated soils were removed from the property which resulted in the issuance of a NFA on February 20, 1997. The property had a historical occurrence of a documented release with associated cleanup completion date; therefore, it **is considered a HREC**. Additional information on the historical environmental concerns that occurred at the BFS FOODS #23 property can be found in **Appendix J**."

#### **110 – Comment:**

8.0 Conclusions - BER - add a title to each of the BERs to distinguish them. For the first one - give detail as to where the debris/trash is and what it is, and what portions of the facility need upgraded.

#### **Response:**

Thrasher has updated this section as follows:

"Debris/Trash Pile Up:

Paden City WWTP (NPDES: WV0020613) is the target property. There is debris/trash, a collection of metals, tires, and/or piping/tubing, piled up in an unused drying bed within the site boundary. It is suggested that the debris/trash in the unused drying bed and any other trash scattered around the site be cleaned up and disposed of property. This trash at the facility **is considered a BER**. Photographic observations can be found in **Appendix C** (**Photo 16**)."

#### **111 – Comment:**

8.0 Conclusions - Non-ASTM Scope Findings - PFAS was in the non-ASTM Scope section, and was listed as a BER, why would it not also be listed as a finding in this section?

#### Response:

Agree, PFAS was moved to Non-ASTM Scope Finding Section.

#### **112 – Comment**:

8.0 Conclusions - Limitations not discussed in 3.1.1

#### Response:

Section 3.1.1 was updated to include:

"Thrasher did not observe obvious limiting conditions pertaining to identifying recognized environmental conditions during our site visit."

#### **113 – Comment:**

Expand on the recommended upgrades, the environmental concerns, BMPs briefly to summarize the report. State areas that may require additional investigation (12.8 Additional Investigation in ASTM 1527-21)

#### Response:

The proposed upgrades to the wastewater treatment plant are described in the Preliminary Engineering Report (Thrasher 2021) and are beyond the scope of a Phase I ESA. Section 3.1.1 was updated to include:

"Thrasher did not observe obvious limiting conditions pertaining to identifying recognized environmental conditions during our site visit."

#### **114 – Comment**:

Change the color of the proposed building and LOD boundaries to make the figure clearer.

#### Response

Updated the maps to make the LOD for both maps red.

#### **115 – Comment:**

Appendix A - No record of the user being asked if any past or present litigation or administrative proceedings. Violations were noted, but must go into further detail on these violations (see 10.9 Proceedings Involving the Subject Property in ASTM E1527-21)

#### **Response:**

The FOIA request submitted to WVDEP resulted in the identification of the two NPDES Notice of Violations for permit limits of Ammonia Nitrogen and is now mentioned in Section 4.4.2 of the Phase I ESA and the detailed records are present in Appendix I.

#### **116 – Comment:**

Appendix A - Was the user asked specifically if the documents in Section 10.8.1 Helpful Documents of the ASTM 1527.21 were available prior to the site visit? Question 5 of the interview form was asked but were these documents specifically asked?

#### Response:

No, the user questionnaire we use does not specifically ask about each document listed in Section 10.8.1 of the ASTM 1527.21.

The Environmental Questionnaire used has the following general questions:

- 1. Are there any existing USTs/ASTs on the property? [If applicable, identify size, contents, age, type (steel or fiberglass), and leak detection system. If available, provide registration, removal, remediation and/or other UST/AST documentation]:
- 2. Are any Environmental Permits/Notifications required for operations at the property?
- 3. Is there a hazard communication course your employees are mandated to complete?
- 4. Are any Environmental Reports, Engineering/Soils Reports, Site Plans, Plat(s) of Survey, Building Plans, Air Photos, etc., available for the property? (Please list below and attach additional documents as necessary):

Our environmental professionals find that people are more likely to answer these general questions and then we can follow up with more specific questions or research the government records more thoroughly if they mention something that tips us off to search further. The mention of specific environmental documents about a site generally gets a NO answer.

#### **117 – Comment**:

Reference photos for each REC within the narrative.

#### Response:

Specific photo numbers are now included in the text.

#### **118 – Comment**:

Reference and explain the background documents of Appendix J

#### Response

**Appendix J** refers to the WVDEP documents for the BFS Foods #23 (UST: 4805509; Leak-ID: 95-180), and is now referenced and explained as, "Additional information on the historical environmental concerns that occurred at the BFS FOODS #23 property can be found in Appendix J." anywhere BFS Foods #23 is mentioned.

#### **119 – Comment:**

Please add figure titles to each figure in

Response:

Figure titles corrected to read as "<u>Figure 1:</u> USGS Site Location Map" and "<u>Figure 2:</u> Aerial Site Location Map", included within the mapping figures themselves.

#### **120 – Comment:**

Add table numbers and reference them in the text. Explain the yes/no column with the table introductions if the yes/no column is present.

#### Response:

Tables are referenced by section and subcategory (ex. 3.1.3). Yes/No columns are now explained at the bottom of Section 3.1.2 and further described in Response to Comment 122 below.

#### **121 – Comment:**

Whenever reference a photo from Appendix C, reference the Photo number(s) as well.

#### **Response:**

Corrected throughout the report.

#### **122 – Comment:**

Per section 9.4 Features, Activities, and Conditions of the ASTM E1527-21, please ensure that all subsections are addressed, and if any of the specified features, activities, uses, or conditions are not found to be present in, on, or at the subject property, then please document that within the report.

#### **Response**:

In an effort to streamline all Phase I ESA reports, we do not specifically mention things that are not present at sites in the report. That approach is unnecessary and tedious. We make every effort to document things that are present in our observation tables in Section 3 that indicate if we did or did not observe the items in the tables during our site visit. Our observations tables in Section 3 generally follow Section 9.4.1 through 9.4.28 in a streamline manner. When we do observe something, we typically take a representative photo, especially if we believe it to be a recognized environmental condition. Our environmental professionals are conducting Phase I ESAs in a reasonable and prudent manner in accordance with schedule and budgetary constraints.

#### ASTM E1527-21 Section 9.2.4

9.2.4 *Activity Exclusions*—It is not necessary to conduct the following activities during the *site visit*:

9.2.4.1 Identification of any features, activities, uses and conditions specified in 9.4.1 through 9.4.28 that cannot be *visually and/or physically observed* during the *site visit*.

#### **123 – Comment:**

Were any documents excluded as part of this ESS? (12.2 Documentation ASTM 1527.-21)

#### Response:

No, to the best of our knowledge, all available documentation identified and reviewed in this Phase I ESA are referenced and included in the Appendices.

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## **FIGURES**

Figure 1	USGS Site Location Map
Figure 2	Aerial Site Location Map

## **APPENDICES**

Appendix A	Questionnaires and Interviews
Appendix B	Legal Description
Appendix C	Photo Documentation
Appendix D	EDR Radius Map Report with GeoCheck
Appendix E	EDR Aerial Photo Decade Package
Appendix F	EDR Historical Topo Map Report
Appendix G	EDR Certified Sanborn Map Report
Appendix H	EDR City Directory Image Report
Appendix I	FOIA Documents
Appendix J	Background Documents
Appendix K	Environmental Professional Qualification

#### **EXECUTIVE SUMMARY**

The Thrasher Group, Inc. (Thrasher), was retained by the City of Paden City, to conduct a Phase I Environmental Site Assessment (Phase I ESA) for a property located at 0 W Main St in Paden City, Wetzel County, West Virginia. The site consists of a portion of one parcel that encompasses approximately 1.91 acres owned by the City of Paden City. The center of the site is located at Global Positioning System coordinates 39.607750° latitude and -80.936895° longitude. The site boundary is depicted on **Figures 1** & **2**.

Thrasher conducted this Phase I ESA in general conformance with ASTM Standard E 1527-21, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*, with limitations as noted in this report. It should be noted that Thrasher conducted this Phase I ESA in general conformance with the ASTM Standard E 1527-21. Phase I ESAs conducted under this Standard include four components: a records review, site reconnaissance, interviews, and a report.

Based on the information gathered and reviewed from the state and Federal regulatory databases, historical sources, and the site visit and area reconnaissance, it is Thrasher's professional opinion that the following information accurately describes the environmental conditions within and surrounding the site boundaries. The findings identified are summarized below:

#### **Recognized Environmental Conditions (REC)**

- Paden City WWTP (NPDES: WV0020613) is the target property. The NPDES permit associated with the target property has received three NOVs and two documented overflows in the past five years. The most recent incident was an NOV on September 19, 2022. The WVDEP conducted a non-comprehensive inspection at the wastewater treatment facility for the City of the Paden City, where twenty-two (22) exceedances of the prescribed effluent limitations (ammonia nitrogen) were noted within the records review period (January 2020 through July 2022). Due to documented environmental issues associated with the site it is considered a REC.
  - The result of the proposed project at the site should address the documented exceedances of discharge limits and spills associated with infiltration and inflow issues the site has during high flow rainfall events.

#### **Controlled Recognized Environmental Conditions (CREC)**

• No CRECs were identified for the site during this Phase I ESA.

#### **Historical Recognized Environmental Conditions (HREC)**

• BFS FOODS #23 (UST: 4805509; Leak-ID: 95-180) is located 0.089 miles southeast from the site. This property had a confirmed release when contaminated soils were encountered during UST closure excavation activities on October 31, 1995. Due to no indication that a release occurred from the current tanks or ancillary equipment and the results indicating elevated levels of semi-volatile compounds associated with diesel or kerosene fuels, it was determined that the release was due to a historic gasoline UST system at the property. According to the groundwater flow direction in

relation to the target property and the constantly changing conditions of groundwater flow in proximity to the Ohio River, groundwater is not anticipated to adversely affect the proposed project. BFS Foods #23 is located southeast of the target property while groundwater generally flows southwest towards the nearby Ohio River. Contaminated soils were removed from the property which resulted in the issuance of a NFA on February 20, 1997. The property had a historical occurrence of a documented release with associated cleanup completion date; therefore, it is considered a HREC. Additional information on the historical environmental concerns that occurred at the BFS FOODS #23 property can be found in Appendix J.

#### **Vapor Encroachment Condition (VEC)**

• No VECs were identified for the site during this Phase I ESA.

#### **De Minimis Conditions (DMC)**

• No DMCs were identified for the site during this Phase I ESA.

#### **Business Environmental Risk (BER)**

- Debris/Trash Pile Up:
  - O Paden City WWTP (NPDES: WV0020613) is the target property. There is debris/trash, a collection of metals, tires, and/or piping/tubing, piled up in an unused drying bed within the site boundary. It is suggested that the debris/trash in the unused drying bed and any other trash scattered around the site be cleaned up and disposed of property. This trash at the facility is considered a BER. Photographic observations can be found in Appendix C (Photo 16).

#### **Non-ASTM Scope Findings**

• Paden City WWTP (NPDES: WV0020613) is the target property. It does not appear that site operations have knowingly used per- and polyfluoroalkyl substances – known as PFAS, during normal business practices and the site is not involved with manufacturing items (firefighting foams, water/oil/stain repellents, non-stick surfaces, etc.) that may contain PFAS. However, Per and polyfluoroalkyl substances are a group of more than 4,000 man-made chemicals that include PFOA, PFOS, GenX, and many other chemicals. PFAS have been documented to be present in biosolids that are associated with the wastewater treatment process. Due to the uncertainty of the potential upcoming regulations on PFAS and the lack of established methods for site characterization currently in place, the potential presence of PFAS is considered a Non-ASTM Scope Finding.

#### **Data Gaps**

A deed and/or title search was not completed or provided by the user as part of this Phase I ESA.

Based on the findings listed above Thrasher recommends the upgrades proposed at the wastewater treatment plant be implemented to eliminate or reduce future Notice of Violations during high flow rain events. Disposal of trash within the drying bed

#### Table of Applicable Dates to the Presumed Viability of the Phase I ESA:

Component	Date*
Declaration of Environmental Professional	February 21, 2023
Interview(s)	January 5,2023
Review of Environmental Cleanup Liens**	N/A
Review of Government Records	December 13, 2022
Visual Inspection(s)	January 6,2023

<sup>\*</sup> It should be noted that the earliest of the above dates, in **bold**, triggers the 180-day presumed viability of the Phase I ESA.

The Executive Summary is an integral part of this Phase I ESA and may not be removed or distributed separately. Important information regarding the status of the subject site is included elsewhere in this report and is not presented in this Executive Summary. Any individual copies of the Executive Summary without the Phase I ESA, or copies of the Phase I ESA without the Executive Summary, should not be considered valid and should not be relied upon for any decisions or conclusion regarding the site.

<sup>\*\*</sup>This is a user responsibility; however, if the user has requested to complete this task the date will be included in the table.

#### PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT

# PADEN CITY WWTP 0 W MAIN STREET PADEN CITY, WETZEL COUNTY, WEST VIRGINIA 26159

#### THRASHER PROJECT #020-10082

#### 1.0 INTRODUCTION

The Thrasher Group, Inc. (Thrasher), was retained by the City of Paden City (referred to as the "User"), to conduct a Phase I Environmental Site Assessment (Phase I ESA) for a property located at 0 W Main St in Paden City, Wetzel County, West Virginia (WV). The site consists of a portion of one parcel that encompasses 1.91 acres owned by the City of Paden City. The site contains eight structures associated with the operation of the wastewater treatment plant (WWTP). The elevation on the property is approximately 623 feet (ft.) above mean sea level. The site is bound to the north by a baseball field. The site is bound to the east by the remainder of parcel 52-10-0001-0206-0000. The site is bound to the south by Main Street. The site is bound to the west by an unimproved road. The center of the site is located at Global Positioning System coordinates 39.607750° latitude and -80.936895° longitude. The site boundary is depicted on **Figures 1** & **2**.

The User requested the Phase I ESA as part of due diligence procedures associated with upgrades to a municipal WWTP. The Phase I ESA was performed in conformance with the scope and limitations of the American Society for Testing and Materials (ASTM) Standard E 1527-21 (Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process) to fulfill the requirements of United States Environmental Protection Agency (USEPA) Innocent Landowners, Standards for Conducting All Appropriate Inquiries (AAI) (40 CFR Part 312).

#### 1.1 Objective and Scope of Services

The objective of the Phase I ESA is to identify recognized environmental conditions (RECs), controlled recognized environmental conditions (CRECs), historical recognized environmental conditions (HRECs), business environmental risks (BERs), and vapor encroachment condition (VECs) associated with the site. The ASTM E 1527-21 standard Section 3.2.73 defines the term "recognized environmental condition" as:

"(1) the presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment."

The ASTM E 1527-21 standard Section 3.2.17 defines the term "controlled recognized environmental condition" as:

"recognized environmental condition affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities with hazardous substances or petroleum products allowed to remain in place subject to implementation of required controls (for example, activity and use limitations or other property use limitations)."

The ASTM E 1527-21 standard Section 3.2.39 defines the term "historical recognized environmental condition" as:

"a previous release of hazardous substances or petroleum products affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities and meeting unrestricted use criteria established by the applicable regulatory authority or authorities without subjecting the subject property to any controls (for example, activity and use limitations or other property use limitations). A historical recognized environmental condition is not a recognized environmental condition."

The ASTM E 1527-21 standard Section 3.2.11 defines the term "business environmental risk" as:

"a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of commercial real estate, not necessarily related to those environmental issues required to be investigated in this practice. Consideration of BER issues may involve addressing one or more non-scope considerations."

The ASTM E 1527-21 standard Section 3.2.20 defines the term "de minimis condition" 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. A condition determined to be a de minimis condition is not a recognized environmental condition nor a controlled recognized environmental condition."

The ASTM E 2600-22 standard Section 1.1.1 defines the term "vapor encroachment condition" as:

"presence or likely presence of COC vapors in the vadose zone of the target property (TP) caused by the release of vapors from contaminated soil and/or groundwater either on or near the TP as identified by the Tier 1 or Tier 2 procedures in this guide."

#### 1.1.1 Reliance

This Phase I ESA was prepared pursuant to the contract Thrasher has with the User. That contractual relationship included an exchange of information about the property that was unique and between Thrasher and the User and serves as the basis upon which this report was prepared. Because of the importance of the communication between Thrasher and the User, reliance or any use of this report by anyone other than the User, is prohibited and therefore not foreseeable to Thrasher.

Reliance or use by any such third party without explicit authorization in the report does not make said third party, a third-party beneficiary to Thrasher's contract with the User. Any such unauthorized reliance on or use of this report, including any of its information or conclusions, will be at the third party's risk. For the same reasons, no warranties or representations, expressed or implied in this report, are made to any such third party.

Third party reliance letters may be issued on request and upon payment of the then current fee for such letters. All third parties relying on Thrasher's reports, by such reliance, agree to be bound by the proposal, and Thrasher's General Conditions. No reliance by any party is permitted without such agreement, regardless of the content of the reliance letter itself.

#### 1.1.2 Deviations from the ASTM E 1527-21 Standard

There were no deviations from the scope and limitations of the ASTM Practice E 1527-21.

#### 1.1.3 Non-Scope Considerations

None of the traditional non-scope considerations listed in the ASTM Standard, E 1527-21, and Section 13.1.5 were performed as part of the Phase I ESA.

#### 1.1.4 Limitations and Assumptions

The Phase I ESA was conducted in accordance with ASTM Standard E 1527-21 guidelines. Even so, no Phase I ESA can completely eliminate uncertainty about the site's potential for RECs. No statement of certainty can be made regarding subsurface conditions from any on-site or off-site sources of contamination. Thrasher has relied on information provided by others in assessing the site; the information has not been independently verified. This report is a prudent, reasonable evaluation of the site's observed environmental condition. Thrasher assumes no responsibility for conditions or information not practically reviewable, or information that was not accurately disseminated by any party.

This report should not be construed as verifying the present site owner's or operator's compliance with Federal, state, and local regulations, or as a recommendation to purchase, sell, or develop the facility. It is possible that unavailable or undisclosed information may indicate significant environmental compliance liabilities.

This Phase I ESA was prepared under contract for the exclusive use of the User. Any other party's reliance on this report is at their own risk unless Thrasher provides a "reliance letter" to such party. This Phase I ESA

did not include the sampling of soil, groundwater, surface water, radon, or lead. Any information concerning these media is based on publicly available maps or related sources as referenced in the report.

Thrasher's report is based upon the information provided to Thrasher and Thrasher's observations made during the site reconnaissance. Given the inherent limitations of environmental assessment work, Thrasher does not guarantee that the site is free of hazardous or potentially hazardous materials or petroleum products.

In accordance with the ASTM Standard E 1527-21, this Phase I ESA is presumed to be valid for 180 days from the date of issue. A Phase I ESA that meets or exceeds this practice and was completed more than 180 days previously may be used to the extent allowed in Section 4.6 of the ASTM Standard E 1527-21.

#### 2.0 USER PROVIDED INFORMATION

#### 2.1 Specialized Knowledge

Mr. Dave Jacobs of the Paden City WWTP completed the Owner/User Questionnaire (**Appendix A**). The User did provide specialized knowledge from his 15 years of employment at the site.

Preliminary Engineering Report for the City of Paden City, Proposed Sanitary Sewer Improvements Phase II, Thrasher July 2021

#### 2.2 Valuation Reduction for Environmental Issues

Thrasher is unaware of any reduction in the value of the site property due to the actual or perceived environmental issues. ASTM Practice E1527-21, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process "does not require that a real estate appraisal be obtained in order to ascertain fair market value of the property."

#### 2.3 Owner, Property Manager, and Occupant Information

The site is currently owned by the City of Paden City and was purchased in October of 1957. The current onsite contact is Dave Jacobs. The facility is currently a municipal WWTP.

#### 2.4 Title Records

The User did not supply a copy of the property deed. Parcel information obtained from WV Property Viewer can be found in **Appendix B**.

#### 3.0 SITE RECONNAISSANCE

Thrasher performed a site reconnaissance to obtain the following information:

- Visual observations of current uses at the site likely to involve the use, treatment, storage, disposal, or generation of hazardous substances or petroleum products;
- Visual review of adjacent properties to determine if environmental conditions are present that would potentially impact the site;

- Local topographic conditions were observed to determine if potential pathways exist for hazardous substances or petroleum products to migrate onto the site; and,
- Photo-documentation of current and adjacent site activities and conditions, which can be found in Appendix C (Photos 1 − 4).

#### 3.1 Site Visit

#### 3.1.1 Methodology and Limiting Conditions

The purpose of the site visit was to complete a site reconnaissance to determine if RECs, CRECs, HRECs, BERs, or VECs exist at the site and to note areas of concern. Potential areas of concern may include items such as past dumping and land filling on-site; any unusual, readily apparent discolorations of surface soils, concrete, or asphalt; odors; vegetative distress; or other characteristics which might indicate a previous release involving hazardous materials or petroleum products. A site reconnaissance was performed by Mr. Daniel Brady of Thrasher on January 6, 2023. The reconnaissance was conducted by walking the entirety of the site and associated wastewater treatment plant structures. In addition, adjoining and neighboring properties were visually observed to the extent possible from the site boundaries. Site photographs obtained during the site reconnaissance are included as **Appendix C (Photos 1 – 4)**. A site map is included as **Figure 2**. Thrasher did not observe obvious limiting conditions pertaining to identifying recognized environmental conditions during our site visit.

<b>Dates of Reconnaissance</b>	January 6, 2023	
Field Personnel	Mr. Daniel Brady	
<b>Weather Conditions</b>	40° F, Mostly Cloudy	
Site/Owner	Mr. Dave Jacobs	
Representatives	Mi. Dave Jacobs	
Observation Procedures	The site reconnaissance was conducted by walking the entirety of the	
	site and eight structures to evaluate existing site conditions and	
Observation i roccuures	identify any RECs. In addition, adjoining and neighboring properties	
	were visually observed to the extent possible from the site boundaries.	

#### 3.1.2 Current Site Uses

The site is currently used as a wastewater treatment plant for the City of Paden City. It services the entire city and immediate surrounding area. The limit of disturbance and area of interest of the site are depicted on **Figure 1** and **Figure 2**.

#### 0 W Main Street

Age	~5-65 years
<b>Building Height</b>	~20-50'

<b>Building Size</b>	~500-10,000 ft <sup>2</sup>
Construction	Concrete; Wood Frame/Joist/Beam; Sheet Metal
Façade	Brick; Sheet Metal
Roofing	Shingle; Sheet Metal
Flooring	Concrete; Tile
Interior Walls	Drywall; Sheet Metal
Ceiling	Drop-Tile; Sheet Metal
Lighting	Fluorescent
Heating and Cooling	HVAC; Individual Heating/Cooling Units

The following tables identify the observations noted during the site reconnaissance on the day of the site visit. The "yes" and "no" columns in the tables are observations if those conditions were present on site the day of the site visit. The paragraph following each table contains additional information about the site observations. In general, equipment and structures on site are maintained and in working order.

#### 3.1.3 Site Operations, Processes, and Equipment

Table 1: Site Operations, Processes, and Equipment

Yes	No	Observed Conditions
•		Emergency generators
	•	Air compressors
	•	Hydraulic lifts
	•	Dry cleaning
	•	Photo processing
	•	Laboratory hoods and/or incinerators
•		Waste treatment systems and/or water treatment systems
•		Heating and/or cooling systems
	•	Other processes or equipment

There is an emergency generator on site that has a self-contained 500-gallon diesel fuel tank, it appears to be in good working condition. There are several structures on site that are used for various phases of the wastewater treatment process. There are heating and/or cooling systems in several of the structures on site (**Table 1**). Photographic observations can be found in **Appendix C** (**Photos 5 – 22**).

#### 3.1.4 Aboveground Chemical or Waste Storage

Table 2: Aboveground Chemical or Waste Storage

Yes	No	Observed Conditions
•		ASTs
•		Drums, barrels and/or containers > 5 gallons
	•	Safety data sheets
	•	Parts Washer
	•	Other

The emergency generator has a self-contained AST with a 500-gallon capacity for diesel fuel. There are several containers that are used for storage of chemicals used in the wastewater treatment process, they contain chlorine and sodium bisulfate (**Table 2**). Photographic observations can be found in **Appendix C** (**Photos 19 – 21**).

#### 3.1.5 Underground Chemical or Waste Storage, Drainage, or Collection Systems

 Table 3: Underground Chemical or Waste Storage, Drainage, or Collection Systems

Yes	No	Observed Conditions
	•	USTs or ancillary equipment
•		Sumps, cisterns, catch basins and/or dry wells
	•	Grease traps
	•	Septic tanks and/or leach fields
	•	Oil/water separators
	•	Pipeline markers
	•	Interior floor drains
	•	Other

There are several catch basins, near the southern end of property, associated with the wastewater treatment facility (**Table 3**). Photographic observations can be found in **Appendix C** (**Photo 3**).

#### 3.1.6 Electrical Transformers/Polychlorinated Biphenyls (PCBs)

Table 4: Electrical Transformers/Polychlorinated Biphenyls (PCBs)

Yes	No	Observed Conditions
•		Pad- or pole-mounted transformers and/or capacitors
	•	Other Equipment

There are two transformers on site, one of which is located in the office building, that are used in the electrical components of the wastewater treatment facility. It is uncertain if these transformers may contain PCB, as no PCB free stickers were observed (**Table 4**). It is suggested that if these transformers are to be taken out of service in the future, they should be sampled, analyzed by a laboratory, and treated

appropriately according to analytical results. Photographic observations can be found in **Appendix C** (**Photo 6**).

## 3.1.7 Releases or Potential Releases

**Table 5**: Releases or Potential Releases

Yes	No	Observed Conditions
	•	Stressed vegetation
	•	Stained soil
	•	Stained pavement or similar surface
	•	Leachate and/or waste seeps
•		Trash, debris and/or other waste materials
•		Dumping or disposal areas
	•	Construction/demolition debris and/or dumped fill dirt
	•	Surface water discoloration, odor, sheen, and/or free-floating product
•		Strong, pungent or noxious odors
•		Exterior pipe discharges and/or other effluent discharges
	•	Other

There is one dumpster on site, located outside of the headworks building, that is regularly emptied and hauled away by Solid Waste Services of WV. There are several areas on site that have various trash/debris stockpiled with a collection of metals, tires, and/or piping/tubing, piled up in an unused drying bed (Photo 16). There are strong odors present throughout the site associated with the wastewater treatment process (**Table 5**). There is one NPDES outlet that discharges treated water into the Ohio River (Photo 23). Photographic observations can be found in **Appendix C** (**Photo 15 – 23**).

## 3.1.8 Other Notable Site Features

**Table 6**: Other Notable Site Features

Yes	No	Observed Conditions		
•		Surface water bodies		
	•	Quarries or pits		
	•	Wells		
•		Storm water		
	•	Other site features		

**Table 6** documents that there are several man-made basins present on-site that are used in the wastewater treatment process. Stormwater from the local area is routed to the wastewater treatment facility in a combined wastewater system, the facility currently does not have the capacity to treat all the stormwater that is received during high flow events. Consequently, overflows to the receiving stream occasionally occur and are reported to WVDEP as spills documented in the NPDES permit information. Otherwise, the

facility is regularly maintained and generally in good condition. Photographic observations can be found in **Appendix** C (**Photos 11 – 14**).

## 3.2 Vapor Encroachment Screen (VES)

Vapor encroachment is an emerging concern associated with the potential for volatile and/or semi volatile chemicals, such as petroleum fuels and chlorinated solvents to migrate through the subsurface in the gas phase from contaminated soil and/or groundwater plumes. Vapor encroachment may be a concern if subsurface volatile contaminants migrate into occupied buildings through cracks and penetrations in the building slab. To assess the potential for vapor encroachment to impact the site, Thrasher evaluated potential sources of contamination from both on-site and off-site sources that have the potential to release constituents that could migrate onto the site from up-gradient locations or adjacent properties. Thrasher relied on reconnaissance of the site and surrounding area to identify potential sources which could produce contaminants resulting in vapor encroachment at the site. Thrasher also used the Environmental Data Resources, Inc. (EDR) database to identify potential sources of contaminants that could result in vapor encroachment at the site. The VES process is not intended to be an exhaustive screening and cannot wholly eliminate uncertainty regarding the presence of vapor encroachment condition (VECs) in connection with the site. Screening is intended to reduce, but not eliminate, uncertainty regarding whether or not a VEC exists in connection with the site. No evidence of subsurface soil hydrocarbon contamination was identified on the industrial site; therefore, vapor encroachment is not an environmental concern at this time. Additionally, VEC are not generally considered for industrial facilities.

## 3.3 Off-site Reconnaissance

A site reconnaissance was conducted to observe adjacent properties and determine if any adjacent property activities pose any environmental concern(s) to the site. All observations were made from the site boundaries and did not include accessing off-site property. There are railroad tracks that run in close proximity along the eastern side of the property and may pose an environmental concern. The area on the eastern side of the railroad tracks has a long history of industrial/manufacturing activities. The railroad tracks have potential to pose risk to the site in the event of a derailment. Historically, railroad beds may contain polycyclic aromatic hydrocarbon (PAH) compounds in surface soils from the use of creosote treated railroad timbers. The site boundary is depicted on **Figure 1** and **Figure 2**. Current land-uses of the properties that are immediately adjoining and adjacent to the subject site are summarized on the following table.

## **Site Vicinity Observations**

Direction	Boundary Feature	Topographic Relation	Environmental Concerns
North	Baseball fields, Ohio River beyond	Cross-gradient	None
South	West Main Street, baseball fields & city park beyond	Cross-gradient	None

Direction	Boundary Feature	Topographic Relation	Environmental Concerns
East	Baseball field, railroad tracks & cell tower beyond	Up/cross- gradient	RR tracks
West	Unimproved road, Ohio River beyond	Cross/down- gradient	None

The following table (*Table 7*) summarizes uses and current conditions observed on the adjoining and neighboring properties identified in the above table consistent with the ASTM Standard E1527-21, *Section 9.0 Site Reconnaissance, Subsection 9.4.3 Current Uses of Adjoining Properties*. For each use or condition identified for adjoining properties, a detailed explanation discussing the significance of the recognized environmental condition or level of environmental threat to the site is given. The CDR with commercial, industrial, and residential occupants are documented in **Appendix H**.

Table 7: Off-site Characteristics

Yes	Yes No Observed Conditions			
	•	Pits, Ponds, or Lagoons		
•		Railroad Lines or Spurs		
	•	Septic System		
	•	Heavy Equipment		
	•	Drums or Storage Containers		
	•	Odors		
	•	Landfills or Dumping Activities		
	•	Waste-Water Discharge		
	•	USTs/ASTs Systems and Piping		
	•	PCB-Containing Equipment and Transformers		
•		Industrial/Manufacturing Activities		
	•	Hydraulic Lifts or Equipment		
	•	Wells		
	•	Remedial Activities		
	•	Stained Soils or Pavement		
	•	Leachate or Seeps		
	•	Stressed Vegetation		
	•	Chemical Spills or Releases		
	•	Surface Water Contamination		
	•	Oil/Gas Exploration or Refinery Operations		
	•	Farm Waste Concerns		
	•	Pesticides or Herbicides		
	•	Contaminant Migration		

Yes	No	Observed Conditions			
	•	Regulated Substances			
	•	Other Environmental Concerns			

**Table 7** documents the presence of the following observations from adjacent properties. There are railroad tracks that run within close proximity to the eastern side of the property boundary. The area on the eastern side of the railroad tracks has a long history of industrial/manufacturing activities. Photographic documentation can be found in **Appendix C** (**Photo 2**).

# 4.0 PHYSICAL SETTING, HISTORICAL RECORDS REVIEW, AND REGULATORY RECORDS REVIEW

## 4.1 Commonly Known or Reasonably Ascertainable Information

Thrasher performed this Phase I ESA in accordance with the Standard and gathered all commonly known or reasonably ascertainable information regarding the site (ASTM E1527-21 Section 8.1.5 Reasonable Time and Cost).

#### **4.2 Site Physical Setting**

Online resources, as well as the site reconnaissance, were used to determine the physical settings of the site.

#### 4.2.1 Soil/Geology

The site is located in the Appalachian Plateau physiographic province and consists of primarily Devonian rocks. Approximately 20,000 ft of Paleozoic rock overlies Precambrian basement in the Appalachian Plateau. Rocks within the Appalachian Plateau are structurally complex due to compressional forces; older Paleozoic strata were thrust over the younger evaporates. The specific underlying geology relative to the site has not been observed by cores as a part of this Phase I ESA. However, the general subsurface geology likely consists of Dunkard Group and Quaternary Alluvium, described below (United States Geological Survey [USGS] Mineral Resources Online Spatial Data):

**Dunkard Group** is Permian and Pennsylvanian in age, although palynological evidence favor a Pennsylvanian age, at least for the lower portion. It extends from the top of the exposed bed rock section to the top of the Waynesburg coal. It contains non-marine cyclic sequences of sandstone, siltstone, red and gray shale, limestone, and coal. It includes the Washington coals and limestones. The Dunkard Group is approximately 450 ft thick. The Dunkard Group contains the Greene, Washington, and Waynesburg Formations.

Quaternary Alluvium is Quaternary in age. It contains alluvial deposits of sand, gravel, silt, and clay.

Data from the United States Department of Agriculture Natural Resources Conservation Service (USDA, 2022), the top three soils within the site are the Wheeling-Urban land complex; Udorthents, smoothed; and the Vandalia-Urban land complex. Wheeling-Urban land complex is a well-drained non-hydric soil with a

depth to water of more than 80 inches. Udorthents, smoothed is listed as a non-hydric soil. Vandalia-Urban land complex is a well-drained, non-hydric soil with a depth to water of more than 80 inches. Relevant maps showing soil and geology of the project area are listed in the "GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY" section of the "EDR Radius Map Report with GeoCheck" in Appendix D.

Based on a review of the USGS topographic map included in **Figure 1** and the EDR Radius Map Report (**Appendix D**), surface elevation is around 623 feet above mean sea level with sloping towards the Ohio River. The site is in the floodplain of the Ohio River with relatively flat terrain within the property boundary, with the exception of some higher terrain around some of the constructed structures on site.

## 4.3 Historical Records Review

A review of the following information provided by EDR, a private firm that conducts Federal and state database searches, was performed for the site and parcels located within the approximate ASTM minimum search distance from the site:

- Aerial photographs;
- Topographic maps;
- Sanborn fire insurance maps; and
- City Directory

Whenever possible, supporting documentation has been provided as appendices to this report. Selected documentation referenced in this report may not be presented due to copyright restrictions or cost considerations.

Historical resources were available from 1906 to 2020.

Historical Sources						
Historical Records	Location of Record Dates of Record		See Appendix			
Source	Source	Sources Reviewed	11			
Aerial Decade Maps	EDR	1958 – 2020	Appendix E			
Topographic Maps	EDR	1906 – 2019	Appendix F			
Sanborn Fire Maps	EDR	1930 – 1950	Appendix G			
City Directories	EDR	1965 – 2017	Appendix H			

#### 4.3.1 Historical Aerial Photographs

Historical aerial photographs of the site and surrounding area were provided by EDR. Aerial photographs for the years 1958, 1960, 1972, 1976, 1982, 1994, 1996, 1997, 2007, 2011, 2014, 2017, and 2020 were reviewed

for indications of previous uses of the site and surrounding properties. Copies of the aerial photographs are included in **Appendix E** and observations are presented in the table (**Table 8**) below:

**Table 8**: Historical Aerial Observations

Year	Observations
1958	The site boundary is not shown because it exceeds image extent or image is not georeferenced. The aerial image is of lesser quality. A large river appears to the north and west of the site. Several roads and structures appear to the east and south of the site. Railroad tracks appear to the northeast running to the southwest of the site.
1960	The site boundary is shown; however, it appears to be shifted to the southeast. The aerial image is of lesser quality. The area within the site appears to have been disturbed.
1972	The site boundary is not shown because it exceeds image extent or image is not georeferenced. The area within the site appears to have been developed.
1976	The site boundary is shown; however, it appears to be slightly shifted to the northwest. Several structures appear within the site boundary.
1982	The site boundary is shown; however, it appears to be slightly larger. No changes are apparent within the site or surrounding areas.
1994	No changes are apparent within the site or surrounding areas.
1996	No changes are apparent within the site or surrounding areas.
1997	The area to the north of the site boundary appears to have been disturbed.
2007	No changes are apparent within the site or surrounding areas.
2011	No changes are apparent within the site or surrounding areas.
2014	No changes are apparent within the site or surrounding areas.
2017	No changes are apparent within the site or surrounding areas.
2020	No changes are apparent within the site or surrounding areas.

The existing wastewater treatment plant appears to be established on site beginning in 1960 based on the visible disturbance and corresponding 1960 Topo review. Buildings appear on site in 1972 to 1976 with no other changes to report within the site or surrounding areas in subsequent years. In 1997, the surrounding northern boundary appears to have been disturbed (**Table 8**).

# 4.3.2 Topographic Maps

Historical topographic maps of the site and surrounding areas were provided by EDR. Topographic maps of the site for the years 1906, 1924, 1926, 1960, 1972, 1976, 1985/1989, 1994, 2002/2005, 2013/2014, 2016 and 2019 were reviewed. Copies of the topographic maps are included in **Appendix F** and observations for the ones that include the target property are presented in the table (**Table 9**) below:

 Table 9: Historical Topographic Observations

Year/Quadrangle	Observations				
	The City of Paden City is named in the central extent of the map. The Wetzel				
	and Tyler County line runs from the southeastern to western extent of the map				
	and the area on the northern side of the river is labeled as Monroe County. The				
	elevation ranges from 642 to approximately 1,300 feet. The Ohio River runs				
New Martinsville,	from the northeastern to southwestern extent of the map and there are several				
1906	unnamed tributaries throughout the map. Paden and Williamson Islands appear				
15-minute	in the river. Several roads and structures appear along the southern side of the				
	river and in the northeastern extent of the map. There are two railroad tracks				
	that run from the southwestern to northeastern extent of the map on the				
	southern side of the river. The Ohio and West Virginia state line appears on				
	the northern side of the river.				
New Martinsville,	There are several more roads constructed throughout the map. There has been				
1924	a significant increase in structures along the roads, including several large				
15-minute	structures in the center of the map. Gamble Run School and stream are now				
15 innace	labeled in the southeastern extent of the map.				
New Martinsville,	No changes are apparent within the site boundaries or immediate				
1926	surroundings.				
15-minute					
	The town of Sardis is named in the northeastern extent of the map. The				
Paden City,	elevation ranges from approximately 620 to 1,345 feet. A structure appears				
Round Bottom	within the site boundary labeled as Sewage Disposal. There has been a				
1960	substantial increase in roads throughout the map, as well as structures along				
7.5-minute	the roads. The road on the southern side of the river is labeled as Co. Rt. 2 and				
	on the northern side of the river is labeled as Co. Rt. 7.				
Paden City,					
Round Bottom	There has been a substantial increase in roads throughout the map, as well as				
1972	structures along the roads in the central extent of the map.				
7.5-minute					

Year/Quadrangle	Observations				
Paden City,					
Round Bottom	No changes are apparent within the site boundaries or immediate surroundings.				
1976					
7.5-minute					
Paden City,					
Round Bottom					
1985	No show and are amount within the site hours desire as immediate expressed in as				
Paden City,	No changes are apparent within the site boundaries or immediate surroundings.				
1989					
7.5-minute					
Paden City,					
Round Bottom	The islands in the river are now labeled as Ohio River Islands National Wildlife Refuge.				
1994					
7.5-minute					
Round Bottom,					
2002					
Paden City,	No changes are apparent within the site boundaries or immediate surroundings.				
2005					
7.5-minute					
Round Bottom,	All structures have been pulled from the map except for City Hall, a Fire				
2013	Department, the High School, a Post Office, and the Sewage Disposal facility.				
Paden City,					
2014	Several roads have been named on the map. The Ohio and West Virginia state				
7.5-minute	lines are labeled accordingly.				
Paden City,					
Round Bottom	Dadan City Dayly Trail is labeled on the northern side of the site houndary				
2016	Paden City Park Trail is labeled on the northern side of the site boundary.				
7.5-minute					
Paden City,					
Round Bottom	The Middle Obio Diver Trail (Dranged) is labeled in the Obio Diver				
2019	The Middle Ohio River Trail (Proposed) is labeled in the Ohio River.				
7.5-minute					

The wastewater treatment plant appears on the mapping beginning in 1960 and the railroad exist on the 1906 map. No other discernable information regarding hazardous materials can be concluded (**Table 9**).

## **4.3.3 Sanborn Fire Insurance**

Sanborn Fire Insurance Maps constitute a source of prior site uses of real property for many cities and towns in the United States. The maps were originally created to assist insurance underwriters in understanding the potential fire risk of structures requiring insurance. However, they are also useful in determining the previous

uses of a property. Sanborn maps often contain information relating to uses of individual structures, location of certain petroleum and chemical storage tanks, and the storage of other potentially toxic substances. Sanborn Maps for the years 1930, 1940, & 1950 for the site boundary were identified. A copy of the EDR Sanborn Map Report can be found in **Appendix G**.

The Sanborn Fire Insurance Map from 1930 shows the site boundary north of Railroad Avenue with no apparent structures or details listed. To the west/southwest of the site boundary, across Main Street, shows five identical residential dwellings with Monongahela Iron identified as not in operation. Two to three sets of Baltimore & Ohio Railroad tracks appear to the northeast running to the southwest of the site. Opalescent Glass is identified toward the east of the site. Several roads and structures appear to the south and southeast of the site.

In 1940, the site is still vacant and not developed, however the previous five dwellings and the Monongahela Iron site was listed as demolished, and all buildings removed. Opalescent Glass is still identified toward the east of the site.

In 1950, the site is still not developed, and no changes appear from the 1940 mapping.

## **4.3.4 City Directories**

The City Directory Image Report (CDR) is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. A CDR was performed by EDR for the years spanning from 1965 to 2017 for the street address associated with the site on 0 W Main St, Paden City, WV. According to the CDR, the site was predominantly surrounded by residential areas with some commercial or municipal facilities. No environmental documents or violations were identified in historic records searches. Therefore, the doctor offices and fire department properties are not considered environmental concerns for the site. The CDR with commercial, industrial, and residential occupants are documented in **Appendix H**.

## 4.4 Regulatory Records Review

#### 4.4.1 Radius Map

A computerized search of Federal and state environmental databases was compiled by EDR on December 13, 2022. EDR compiled the search of Federal and state databases that included records of hazardous waste permits and activities, compliance histories, and documented on-site contamination within the specified radius. This report was designed to assist parties seeking to meet the search requirements of the USEPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the *ASTM Standard Practice for Environmental Site Assessments E1527-21*, or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate. A complete list and description of all databases searched can be found at the end of the EDR Radius Map Report in **Appendix D**.

#### 4.4.1.1 Water Wells/Groundwater Flow Direction

According to the EDR Radius Map Report, there are zero within the site and 11 within one mile of the site. Groundwater well information included in the EDR Radius Map Report and can be found in **Appendix D**.

According to the EDR Physical Settings Source Map (**Appendix D**), local groundwater flow appears to be in a northerly direction towards the Ohio River. However, groundwater wells are not anticipated to impact the wastewater treatment plant project and the project is not anticipated to impact the groundwater or groundwater wells.

## 4.4.1.2 Floodplain

According to the National Flood Hazard Layer Viewer and the EDR Physical Setting Map, the site is located within the 100-year floodplain on the Federal Emergency Management Agency Flood Insurance Rate Map number 54103C0131C. Floodplain information can be found in floodplain map in **Appendix D.** 

#### 4.4.1.3 Oil/Gas Wells

Based on the EDR Radius Map Report, zero oil and gas wells are listed for the target property and six conventional oil/gas well permits were identified within one mile of the site. Oil and gas well information can be found in **Appendix D.** The oil/gas wells appear to be in compliance with WVDEP regulations, as non-compliance information was identified in the regulatory database information. Therefore, they are not anticipated to have any adverse impacts to the project and the project is not anticipated to have any adverse impacts on the wells.

## 4.4.2 Permit Search

Information related to the permits on adjacent properties were provided by various WV Department of Environmental Protection (WVDEP) personnel gathered during Freedom of Information Act (FOIA) requests submitted to the WVDEP on December 13, 2022. Ms. Amy Cosco from the WVDEP's Environmental Enforcement section and Ms. Pamela Houston from WVDEP's Division of Water and Waste both provided a NPDES permit WV0020613. The WVDEP conducted a non-comprehensive inspection at the wastewater treatment facility for the City of the Paden City, where twenty-two (22) exceedances of the prescribed effluent limitations (Ammonia Nitrogen) were noted within the records review period (January 2020 through July 2022). No other permits or violations for the site were identified through the FOIA requests. The FOIA information can be found in **Appendix I**.

#### 4.4.3 Liens and Limitations

A review of all reasonably ascertainable information determined that there were not any environmental liens or activity and use limitations associated with the site.

## 4.5 Records Review Summary

Based on the information gathered and reviewed from historical sources and the state and Federal regulatory databases in the EDR Radius Map Report, the following sites were identified within 0.5 miles of the site in the summary table (**Table 10**) below:

Table 10: Records Review Summary

Site Name	Address	Database(s)	Rel. Elev.	Dist. (mi) & Direction	Env. Concern
PADEN CITY WWTP	END OF MAIN STREET.	FINDS, ECHO		Target Property	REC NPDES violations for overflows. These are episodic and not considered a long-term environmental concern, as upgrades to the facility will eliminate or minimize overflows and future NPDES violations.
BFS FOODS #23	320 S MAIN ST	WV LUST, WV UST, WV FINANCIAL ASSURANCE	Higher	0.089, SSE	HREC Current USTs are in compliance with WVDEP regulations. Former USTs permanently out of service and documented by WVDEP as removed from ground. LUST closed out with No Further Action October 1995
PAUL WISSMACH GLASS	420 STEPHEN ST	WV VCP, WV NPDES, RCRA NonGen/NLR	Higher	0.115, East	NO Violations documented by WVDEP show return to compliance in database searches
W H or G M FERREBEE	106 S 4TH ST WV	WV LUST, WV UST	Higher	0.280, South South East	NO WVDEP LUST Cleanup Complete 12/04/2015
PADEN PLACE	122 N 4TH AVE	WV LUST, WV UST	Higher	0.287, South East	NO WVDEP LUST reported 8-14-2009 No Documented Cleanup Date in records, however the site is greater than 0.25 miles from the site and is not anticipated to have an impact on the proposed project.

FORMER CORNING PLANT	330 S. 1ST AVE	US BROWNFIELDS, FINDS	Higher	0.328, South South West	NO Same as Paden City Industrial Park. Down gradient of site. Have active Brownfield Cleanup Grant
PADEN CITY GROUNDWATER	223 NORTH 4TH AVENUE	NPL, SEMS	Higher	0.338, East South East	NO Ongoing investigation, but not anticipated to have any direct impact on the proposed project.
FORMER CHEVRON #2059	320 S 4TH ST	WV LUST, WV UST	Higher	0.381, South	NO WVDEP LUST Cleanup Completed 9/28/1998
PADEN CITY INDUSTRIAL PARK	435 SOUTH FIRST AVEN	WV BROWNFIELDS	Higher	0.408, South West	NO Same as Fromer Corning Plant, Down Gradient of site. Have active Brownfield Cleanup Grant
CERTIFIED OIL CO	400 S 4TH AVE	WV LUST, WV UST	Higher	0.416, South	NO WVDEP LUST Cleanup Completed 02/14/1996
PADEN CITY DUCHESS	509 N 4TH ST	WV LUST, WV UST	Higher	0.453, East	NO WVDEP LUST Cleanup Completed 07/16/1999

Additional information for each of these sites can be found in the EDR Report in **Appendix D** and WVDEP FOIA historical environmental documents that occurred at the BFS FOODS #23 property can be found in **Appendix J**.

## **5.0 INTERVIEWS**

## 5.1 Owner and User Questionnaires

An Owner/User Questionnaire was completed by Mr. Dave Jacobs the Sewer Plant Operator on January 5, 2023.

Mr. Jacobs confirmed the presence of a sump pump, tractor, storage of chemicals, odors, transformers, a NPDES outlet, a 500-gallon AST used for diesel fuel storage, surface water contamination during rain events, and several structures associated with the wastewater treatment process at the target property. A copy of the Owner/User Questionnaire can be found in **Appendix A**.

#### 5.2 Interviews with Local Officials

Thrasher requested any files pertaining to the target property from the Wetzel County Office of Emergency Management (OEM) on December 19, 2022. Mr. Steve Yoho, the Director of Wetzel County OEM, did not provide any files; however, he did confirm that the only record on file for the target property was for a power outage at the location. The power outage was confirmed by Mr. Jacobs during the site visit and Thrasher was informed that the emergency generator was utilized during the entirety of the power outage resulting in no interruption of service at the facility. A copy of the email correspondence with Mr. Yoho is included in **Appendix A**.

# **5.3 Interviews with Surrounding Property Owners**

Surrounding property owners were not interviewed due to a lack of specialized knowledge of the site.

#### 6.0 NON-ASTM SCOPE CONSIDERATIONS

Thrasher did not specifically conduct non-scope investigations as part of this Phase I ESA. However, general observations from the site reconnaissance or general consultant knowledge may be mentioned in the following sections to inform the reader of other items that may be considered for the site.

## **6.1 Asbestos-Containing Materials (ACMs)**

An asbestos building inspection was not completed as a part of this Phase I ESA as it is not part of this Phase I ESA scope. It is required that a WV-licensed asbestos building inspector be contacted if the demolition of any existing structures on the site is to take place.

## **6.2 Lead-Based Paint (LBP)**

An inspection for LBP was not undertaken as part of this Phase I ESA as it is not part of this Phase I ESA scope. It is recommended that a WV-licensed lead-based paint inspector be contacted if the demolition of any existing structures on the site is to take place.

#### **6.3 Mold**

A cursory visual assessment for suspect mold was undertaken as a part of this Phase I ESA. A full mold inspection was not requested nor completed as part of this assessment as it is not part of this Phase I ESA scope. It should be noted that molds could grow in hidden areas not observed during Thrasher's site reconnaissance. Areas of particular concern include areas that experience water damage and areas of high humidity. It is recommended that professional remediation contractors be hired to properly address such issues if encountered.

#### **6.4 PFAS**

PFAS are a group of manufactured chemicals that are used in the manufacturing of a variety of products, many of which do not break down quickly and have the ability to bioaccumulate in organisms and the environment. The USEPA has listed PFAS as an emergent group of contaminants but there are not any current regulations on any of the chemical compounds. A PFAS investigation was not completed as part of this Phase I ESA scope of work. It is not currently suspected, but it is uncertain if PFAS compounds

have been used at the site. If knowledge or documentation become available that indicate use of PFAS onsite, further site investigation may be warranted. PFAS compounds are ubiquitous and likely to be found almost everywhere due to widespread use since being created.

#### 6.5 Radon

Radon is a colorless and odorless radioactive gas that can accumulate in confined spaces, such as building basements. Buildings with and without basements can have high concentrations of radon, although buildings with basements are more likely to have high levels because radon is found in soil. The USEPA recommends remedial action if radon concentrations are greater than 4 picocuries per liter (pCi/L) in air. According to the USEPA Federal Radon Zone for Wetzel County included in the EDR Radius Map Report, the site is located within Radon Zone 1 where the indoor radon levels average > 4 pCi/L. Site-specific radon testing was not conducted as part of this Phase I ESA. Radon is not of environmental concern to the site at this time considering that the site use and proposed project upgrades are industrial and will not be residential.

#### 6.6 Wetland / Erosion and Soil Control Concerns

A site-specific aquatic resources evaluation with associated field delineation was not performed as a part of this Phase I ESA. According to a review of the National Wetlands Inventory (NWI) Map for the site, as maintained by the United States Department of the Interior, Fish and Wildlife Service, and the EDR Radius Map Report (**Appendix D**), there are zero NWI mapped wetlands within the confines of the site area. It should be noted that the WVDEP TAGIS mapper shows two mapped wetlands on site. However, both mapped wetlands are of the Cowardian classification PRBkr, which stands for palustrine, rock bottom, artificially flooded, artificial. They are both man-made treatment reservoirs which are associated with the target property.

Although the site is relatively flat and well vegetated as of the site visit, the proposed construction activities may require a WVDEP Construction Stormwater Permit depending on the size of the proposed construction area to be disturbed. All required permits, including a construction stormwater permit with appropriate E&S controls, will be acquired prior to construction activities.

#### 7.0 FINDINGS AND OPINIONS

## 7.1 Findings

Based on the information gathered and reviewed from the state and Federal regulatory databases, historical sources, and the site visit and area reconnaissance, it is Thrasher's professional opinion that there is a NPDES permit associated with the target property (WV0020613) which has received three notices of violation (NOV) and two documented overflow events of effluent during high flow events in the past five years. The most recent incident was a NOV on September 19, 2022. The BFS FOODS #23 property had a documented release on October 31, 1995 (Leak ID 95-180) and was issued a No Further Action (NFA) on February 20, 1997. Several other LUST sites in the vicinity of the wastewater treatment plant and throughout Paden City were issued No Further Action determinations by WVDEP.

## 7.2 Opinions

After review of historical resources and the site reconnaissance, it is Thrasher's professional opinion that the REC identified as NPDES violations of wastewater system are an environmental concern for the target property. The documented exceedances of the NPDES discharge limits and overflows are associated with excess infiltration and inflow issues of the wastewater collection system during high flow rainfall events. These events are episodic releases of effluent to the surface water. Therefore, these overflow events are temporary in nature and do not pose any long-term site condition issues. However, the result of the proposed wastewater treatment plant upgrade at the site is designed to address these issues by increasing overall capacity of the wastewater treatment plant. Increased capacity and treatment of wastewater will reduce or eliminate future overflows and NPDES discharge limit violations. Further information about specific wastewater improvements can be found in the Preliminary Engineering Report (Thrasher 2021).

Several of the items identified in the records review summary table require No Further Action as determined by WVDEP. Therefore, they are not considered RECs for the site and are not anticipated to adversely affect the wastewater treatment plant expansion. The expansion of the wastewater treatment plant will ultimately improve compliance with the NPDES permit.

At this time, no additional environmental investigations are suggested for the REC identified in this report.

## 7.3 Data Gaps

The following data gaps were identified during this assessment that may affect the opinion and conclusion of this Phase I ESA:

• A deed and/or title search was not completed or provided by the user as part of this Phase I ESA.

#### 8.0 CONCLUSIONS

Thrasher has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-21 of 0 W Main St the site. Any exceptions to, or deletions from, this practice are described in Sections 1.1.4, 3.1.1, and 7.3 of this report. This assessment has revealed the following recognized environmental conditions and/or significant data gaps in connection with the subject property:

## **Recognized Environmental Conditions (REC)**

- Paden City WWTP (NPDES: WV0020613) is the target property. The NPDES permit associated with the target property has received three NOVs and two documented overflows in the past five years. The most recent incident was an NOV on September 19, 2022. The WVDEP conducted a non-comprehensive inspection at the wastewater treatment facility for the City of the Paden City, where twenty-two (22) exceedances of the prescribed effluent limitations (ammonia nitrogen) were noted within the records review period (January 2020 through July 2022). Due to documented environmental issues associated with the site it is considered a REC.
  - The result of the proposed project at the site should address the documented exceedances of discharge limits and spills associated with infiltration and inflow issues the site has during high flow rainfall events.

## **Controlled Recognized Environmental Conditions (CREC)**

• No CRECs were identified for the site during this Phase I ESA.

## **Historical Recognized Environmental Conditions (HREC)**

• BFS FOODS #23 (UST: 4805509; Leak-ID: 95-180) is located 0.089 miles southeast from the site. This property had a confirmed release when contaminated soils were encountered during UST closure excavation activities on October 31, 1995. Due to no indication that a release occurred from the current tanks or ancillary equipment and the results indicating elevated levels of semi-volatile compounds associated with diesel or kerosene fuels, it was determined that the release was due to a historic gasoline UST system at the property. According to the groundwater flow direction in relation to the target property and the constantly changing conditions of groundwater flow in proximity to the Ohio River, groundwater is not anticipated to adversely affect the proposed project. BFS Foods #23 is located southeast of the target property while groundwater generally flows southwest towards the nearby Ohio River. Contaminated soils were removed from the property which resulted in the issuance of a NFA on February 20, 1997. The property had a historical occurrence of a documented release with associated cleanup completion date; therefore, it is considered a HREC. Additional information on the historical environmental concerns that occurred at the BFS FOODS #23 property can be found in Appendix J.

## **Vapor Encroachment Condition (VEC)**

• No VECs were identified for the site during this Phase I ESA.

## **De Minimis Conditions (DMC)**

• No DMCs were identified for the site during this Phase I ESA.

## **Business Environmental Risk (BER)**

- Debris/Trash Pile Up:
  - O Paden City WWTP (NPDES: WV0020613) is the target property. There is debris/trash, a collection of metals, tires, and/or piping/tubing, piled up in an unused drying bed within the site boundary. It is suggested that the debris/trash in the unused drying bed and any other trash scattered around the site be cleaned up and disposed of property. This trash at the facility is considered a BER. Photographic observations can be found in Appendix C (Photo 16).

## **Non-ASTM Scope Findings**

• Paden City WWTP (NPDES: WV0020613) is the target property. It does not appear that site operations have knowingly used per- and polyfluoroalkyl substances – known as PFAS, during normal business practices and the site is not involved with manufacturing items (firefighting foams, water/oil/stain repellents, non-stick surfaces, etc.) that may contain PFAS. However, Per and polyfluoroalkyl substances are a group of more than 4,000 man-made chemicals that include PFOA, PFOS, GenX, and many other chemicals. PFAS have been documented to be present in biosolids that are associated with the wastewater treatment process. Due to the uncertainty of the potential upcoming regulations on PFAS and the lack of established methods for site characterization currently in place, the potential presence of PFAS is considered a Non-ASTM Scope Finding.

## **Data Gaps**

• A deed and/or title search was not completed or provided by the user as part of this Phase I ESA.

Based on the findings listed above Thrasher recommends the upgrades proposed at the wastewater treatment plant be implemented to eliminate or reduce future Notice of Violations during high flow rain events. Disposal of trash within the drying bed

#### 9.0 ENVIRONMENTAL PROFESSIONAL STATEMENT

It is declared that, to the best of Thrasher's professional knowledge and belief, they meet the definition of Environmental Professional as defined in Section 312.10 of 40 CFR Part 312.

We have 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 all the appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312. A copy of qualifications of the Environmental Professionals is included as **Appendix K**.

The Thrasher Group, Inc.

Daniel E. Brady, MS

Dail Kny

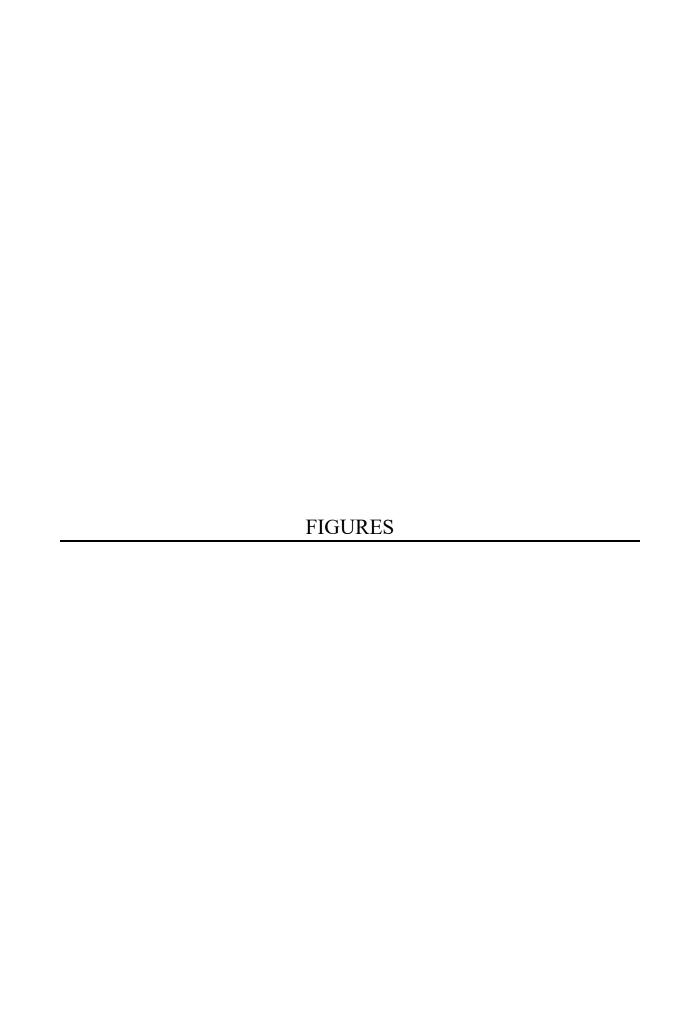
Environmental Scientist I

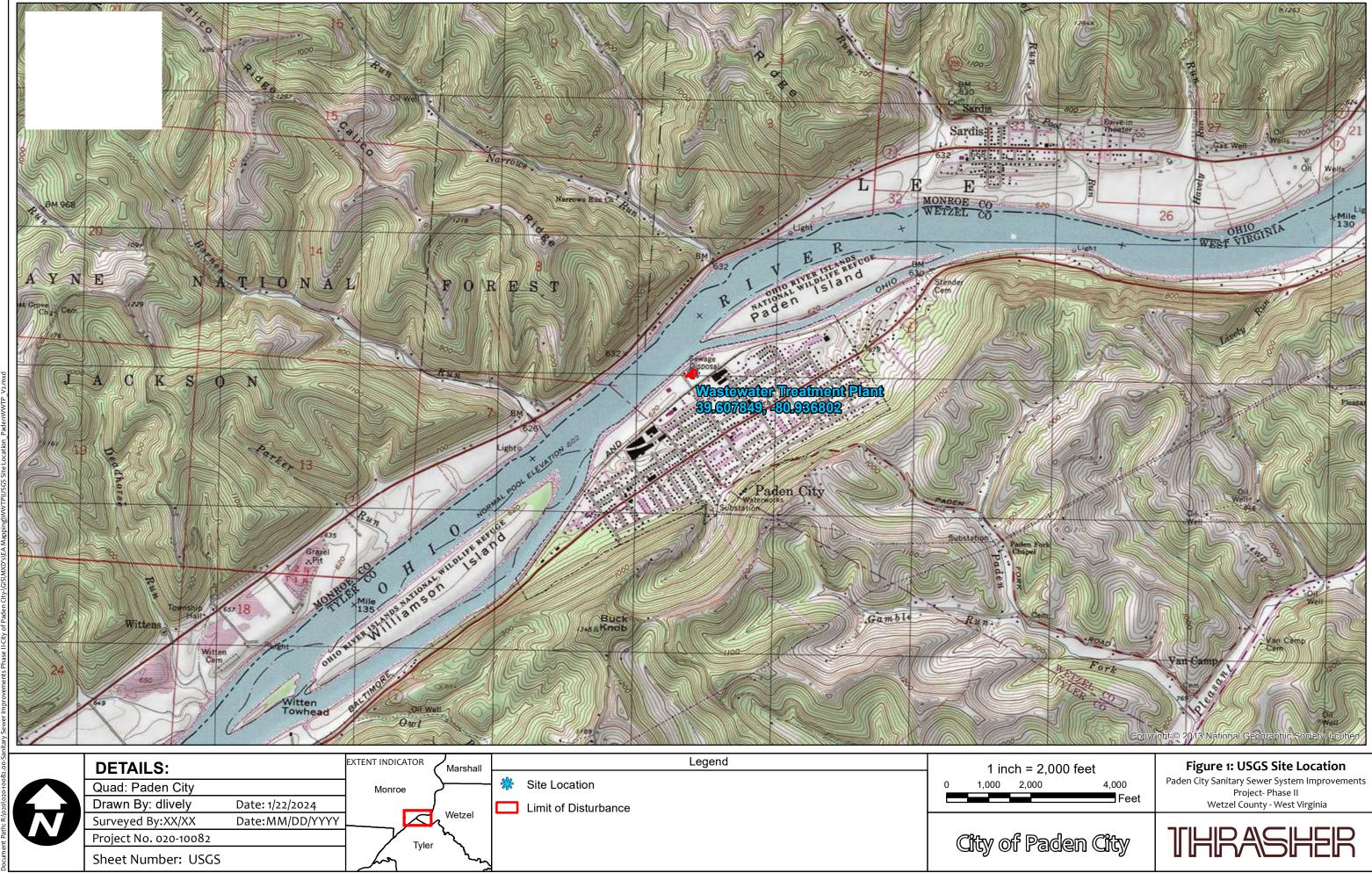
Samuel P. Wilkes, PWS, LRS Environmental Project Manager III

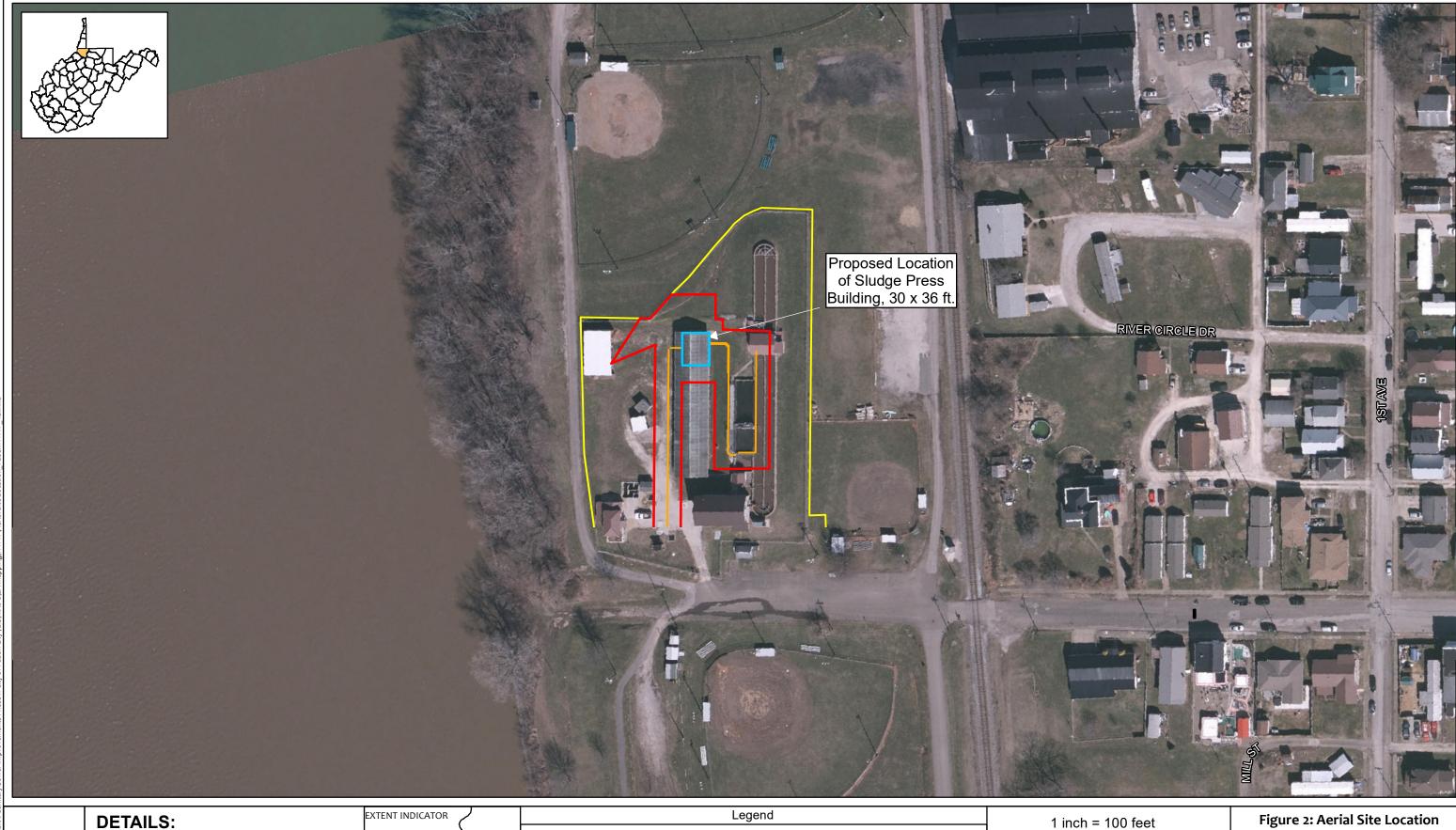
Samuel Pulate

#### 10.0 REFERENCES

- ASTM Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, E1527 21, 2021.
- ASTM Owner/User Questionnaire completed by Mr. Dave Jacobs representing the City of Paden City's Wastewater Treatment Plant on January 6, 2023.
- EDR Aerial Photo Decade Package, EDR, December 15, 2022.
- EDR City Directory Image Report, EDR, December 13, 2022.
- EDR Historical Topo Map Report, EDR, December 13, 2022.
- EDR Radius Map with GeoCheck, EDR, December 14, 2022.
- EDR Sanborn Map Report, EDR, December 13, 2022.
- United States Department of Agriculture. Soil Conservation Service Web Soil Survey. Accessed December 2022.
  - o https://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm
- United States Environmental Protection Agency. Standards and Practices for All Appropriate Inquiries, Final Rule (40 CFR Part 312), 2005.
- United States Geological Survey. Mineral Resources Online Spatial Data Geologic Formations by State. Accessed December 2022.
  - o https://mrdata.usgs.gov/geology/state/sgmc2-unit.php?unit=WVPd;0
  - o https://mrdata.usgs.gov/geology/state/sgmc2-unit.php?unit=WVQal;0
- Thrasher. Preliminary Engineering Report for the City of Paden City, Proposed Sanitary Serwer Improvements Phase II. July 2021
- West Virginia Property Viewer. Accessed December 2022.
  - o https://www.mapwv.gov/parcel/
- WVDEP TAGIS Website. Accessed December 2022.
  - o https://tagis.dep.wv.gov/wvdep\_gis\_viewer/









DETAILS:

Quad: Paden City

Drawn By: dlively

Date: 1/22/2024

Surveyed By:XX/XX

Project No. 020-10082

Sheet Number: Overall

EXTENT INDICATOR

Plant Piping

Proposed Building

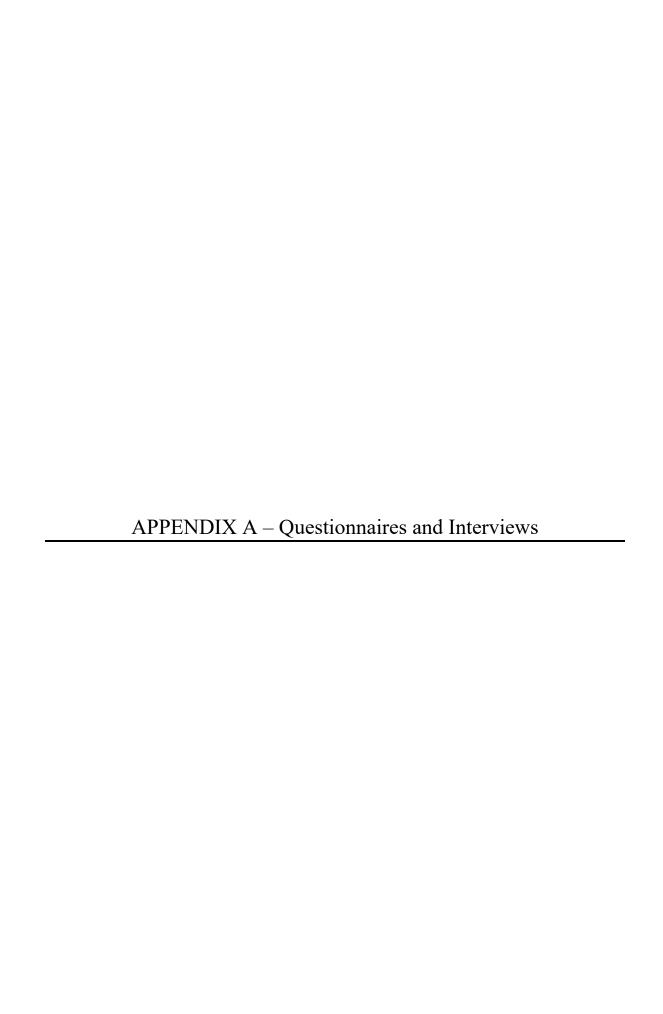
Limit of Disturbance

Area of Interest

1 inch = 100 feet 0 50 100 200 Feet

City of Paden City THRA

Paden City Sanitary Sewer System Improvements Project- Phase II Wetzel County - West Virginia





ARCHITECTURE ENGINEERING FIELD SERVICES

Site/Address: Paden City WWTP: 0 W Main St., Paden City, WV

# OWNER/USER QUESTIONNAIRE

ar po to ar	Questionnaire must be completed and signed by the party seeking to use STM Standard Practice E1527-21 Phase I ESA in order to complete an ESA on the property listed above do in the attached figure. A User may include, without limitation, a potential purchaser of the property, a stential tenant of the property, an owner of the property, a lender, or a property manager. This questionnaire is inform Thrasher of any known or potential environmental conditions at the property. If a question does not apply to the property, please answer not applicable (N/A). If the answer is unknown, please state as such.  The arms of the property and property is a question does not apply to the property, please answer not applicable (N/A). If the answer is unknown, please state as such.
	none Number: (304) 326-6356
	Mail: swilkes@thethrashergroup.com
A	ddress: 160 Association Drive
	Charleston, WV 25311
	REQUIRED USER-PROVIDED INFORMATION
(1.)	Did a search of recorded land title records identify any environmental liens filed or recorded against the property under federal, tribal, state, or local law? No
(2.)	Did a search of recorded land title records identify any Activity and Use Limitations (AULs), such as engineering controls, land use restrictions or institutional controls that are in place at the property and/or have been filed or recorded against the property under federal, tribal, state, or local law? No
(3.)	Do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business? No
(4.)	If applicable, does the purchase price for this property reasonably reflect the fair market value of the property? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property? N/A
(5.)	Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases?
	(a) Intended uses of the property: N/A

(b) Past uses of the property: Wastewater Treatment Plant							
(c) Specific hazardous substances, petroleum products, or chemicals that are present or once were present at the property: Chlorine, Sodium bisulfite, Oil for equipment							
(d) Spills or other chemical releases that have taken place at the <i>property</i> : N/A							
(e) Environmental cleanups that have taken place at the <i>property</i> : No							
(f) Application of human biosolids on agricultural land: N/A							
(g.) Suspected or Known use of firefighting foam, water/stain resistant coatings, non-stick coatings: N/A							
(h.) Manufacturing of cosmetics, cleaning products, soaps/detergents, non stick coatings, stain resistance coatings, water repellent clothing or fabric: No							
Based on your knowledge and experience related to the property are there any obvious indicators that point the presence or likely presence of releases at the property: No							
CURRENT PROPERTY INFORMATION							
Current Owner(s) of the property: Name: City of Paden City							
Address: 500 Main Street, Paden City, WV							
Phone Number(s): Office: (304) 337-8581							
Year Purchased:							
Who is to be notified before Thrasher visits the property? (Property Manager, Site Engineer, etc.)?  Name and Title: Dave Jacobs - Sewer Plant Operator							
Phone No. and/or Email: (304) 771-3953							
Are there any existing buildings on the property? (Identify name, address, size, age, and use of each building) 8 structures on property including a pole barn, sludge pump, head works, drying bays, office building, palmer room, air pump room, & dechlor building							

Page 2

Site/Address: Paden City WWTP: 0 W Main St., Paden City, WV

te(s) of the property (If industrial, describe process(es), materials used, and by- raste(s) generated): Please check
l leak detection system. If available, provide registration, removal, remediation and/or other amentation]: One self-contained 500-gallon AST in the emergency generator used for diesel fuel storage commental Permits/Notifications required for operations at the property?
d communication course your employees are mandated to complete?
HISTORICAL PROPERTY INFORMATION
onmental Reports, Engineering/Soils Reports, Site Plans, Plat(s) of Survey, Building Plans, Ai ailable for the property? (Please list below and attach additional documents as necessary): gineering Site Plans.
of any former buildings on the property? Identify name, address, size, age, and use of each se list below and attach additional documents as necessary): No
nants of the property and years of ownership/tenancy? (Please list below and attach additional necessary): N/A

Page 3

Site/Address: Paden City WWTP: 0 W Main St., Paden City, WV

(5.) Does or has any of the following currently/formerly occur on the property? (If conditions are unknown or N/A please indicate in comments, additional space is provided on the next page if necessary):

Yes	No	Conditions	If yes, please provide brief description
<b>1</b>		Floor Drains or Sumps	Former sump pump in current office building
	<b>√</b>	Pits, Ponds, or Lagoons	
	<b>√</b>	Railroad Lines or Spurs	
	<b>√</b>	Past Use was Auto Shop or Gas Station	
	<b>√</b>	Past Use was Dry Cleaner or Paint Shop	
	<b>√</b>	Septic System	
<b>√</b>		Heavy Equipment	John Deere Tractor used for maintenance
<b>√</b>		Drums or Storage Containers	Chlorine cylinders, 500-gallon Sodium bisulite tank
<b>√</b>		Odors	Strong odors associated with wastewater treatment process
	<b>√</b>	Landfills or Dumping Activities	
<b>√</b>		Wastewater Discharge	One NPDES regulated discharge into Ohio River
<b>√</b>		USTs/ASTs Systems and/or Piping	One 500-gallon AST for diesel fuel storage
	<b>√</b>	Use of Oil for Heating	
<b>√</b>		PCB-Containing Equipment and Transformers	Two transformers, one could contain PCBs due to age
	<b>√</b>	Industrial/Manufacturing Activities	
	<b>√</b>	Use or Manufacturing of Cosmetics, Cleaning Products, Soaps/Detergents	
	<b>√</b>	Use or Manufacturing of Non-Stick Coatings, Stain Resistance Coatings, and/or Water Repellant Fabrics	
		Hydraulic Lifts or Equipment	
	1	Fire Fighting Activities	
		Groundwater Wells	
	<i>\</i>	Remedial Activities	
	<u>.</u> ✓	Stained Soils or Pavement	
	<b>√</b>	Leachate or Seeps	
	<b>√</b>	Stressed Vegetation	
	<b>1</b>	Chemical Spills or Releases	
<b>√</b>		Surface Water Contamination	During high flow rainfall events, potential for contamination
	<b>√</b>	Oil/Gas Exploration or Refinery Operations	-
	<b>✓</b>	Farm Waste Concerns	
	<b>1</b>	Pesticides or Herbicides	
	<b>√</b>	Contaminant Migration	
	<b>√</b>	Regulated Substances	
	<b>✓</b>	Other Environmental Concerns	

Site/Address: Paden City WWTP: 0 W Main St., Paden City, WV	Page 5
Please provide any additional comments concerning the property in the se	ction below:
I have answered these questions to the best of my knowledge and have n that would be pertinent to the completion of this Phase I Environmental S	
Completed by:	
Dave Jacobs (Signed by Daniel Brady)	
Print Name	
Signature	
01/06/2023	
Date	



February 17, 2023

Wetzel County Office of Emergency Management 911 Emergency Service Ln. New Martinsville, WV 26155

**Subject:** FOIA Request – Environmental Site Assessment

Paden City WWTP 0 W Main St

Paden City, Wetzel County, West Virginia 26159 Latitude: 39.607627° Longitude: -80.937305°

Thrasher Project Number: 020-10082

To whom it may concern,

The Thrasher Group, Inc. (Thrasher) is currently conducting a Phase I Environmental Site Assessment on the above-referenced property. As part of this assessment, we are interested in obtaining copies of any file information your office maintains regarding emergency response calls and/or hazardous materials spills, incidents, or investigations at the above referenced site. Any records you may have in regards to this listing would be appreciated.

The assessment is part of an environmental review and the information provided by your department is crucial to the completion of our project. We would appreciate any assistance you can provide in expediting this request. Please feel free to send the information by email to dbrady@thethrashergroup.com or by mail to 160 Association Drive, Charleston, WV. If you have any questions regarding the contents of this letter, please contact me at 304-343-7601.

Sincerely,

The Thrasher Group, Inc.

Dail Kuy

**Daniel Brady** 

Attachments: Figure 1 Site Location Map Figure 2 Site Map

# **Daniel E. Brady**

From: wce911 wce911 <wce911@frontier.com>
Sent: Tuesday, December 20, 2022 8:44 AM

**To:** Daniel E. Brady

**Subject:** RE: Paden City WWTP Phase I ESA Request

## \*\*\* CAUTION: External E-mail !!!

I checked the only record that we have at Wetzel County E-911 was for a power outage for that location. Unable to locate anything on any kind of incident for that location for what you are requesting

Steve Yoho

Director

Wetzel County OEM/E-911

911 Addressing & Floodplain

P.O. Box 156

New Martinsville, WV 26155

304-455-6960

syoho@wetzelwv.com

From: Daniel E. Brady

Sent: Monday, December 19, 2022 1:37 PM

**To:** wcoes@frontier.com **Cc:** wce911@frontier.com

Subject: Paden City WWTP Phase I ESA Request

#### To whom it may concern:

I'm Daniel Brady and I work for The Thrasher Group. We are completing a Phase I Environmental Site Assessment for the Paden City Wastewater Treatment Plant that is located at 0 W Main St, Paden City, WV 26159. I have drafted and attached a letter requesting any files that your office has on the facility. Please feel free to forward this email and letter to the appropriate person if this is not the correct avenue to obtain this information. Thank you in advance for your help in this manner. See attached.

Thank you,

#### **Daniel Brady, MS**

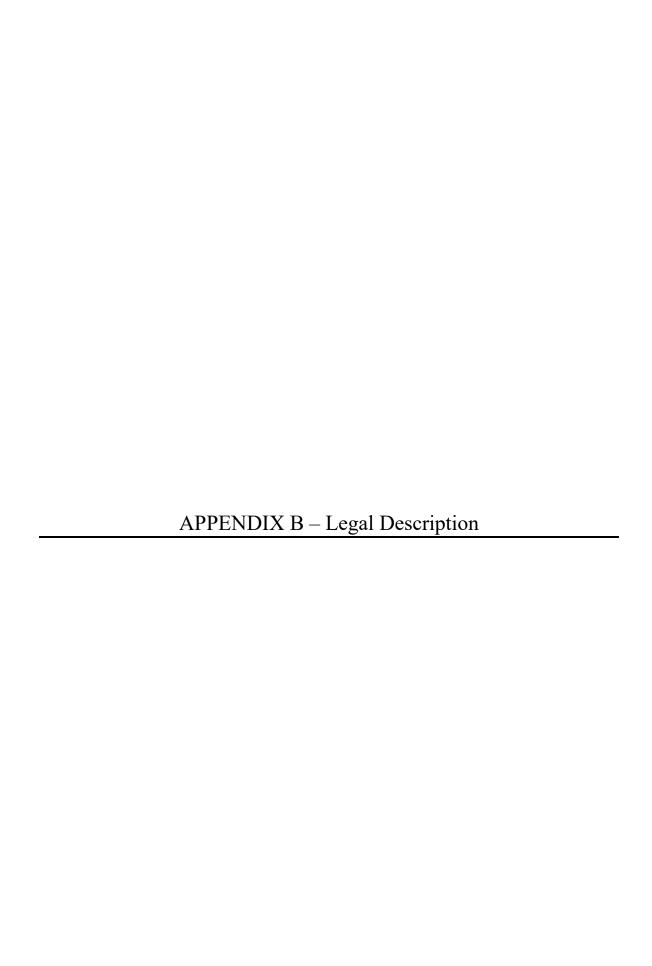
Environmental Scientist I | The Thrasher Group, Inc.

office: 304-343-7601 | 800-273-6541

mobile: 304-203-2449

300 Association Drive | Charleston, WV 25311

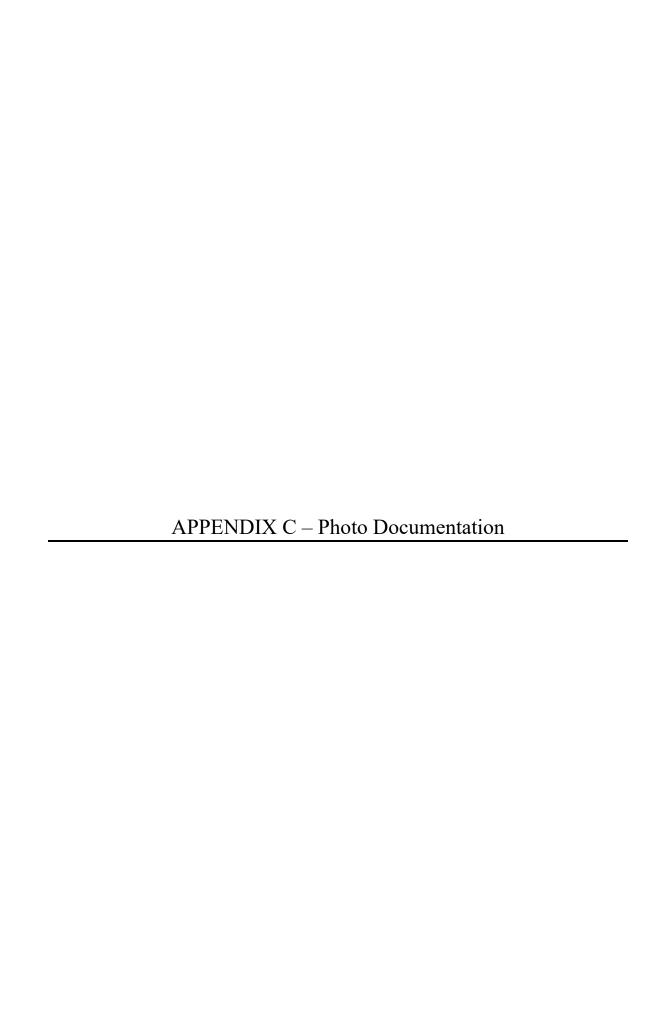
www.thethrashergroup.com



**Table B: Parcel Site Histories** 

Parcel ID	Owner	Sale Date	Deed Info		Logal Description
			Book	Page	Legal Description
52-10-0001-0206-0000	PADEN CITY TOWN OF	N/A	N/A	N/A	8.3 AC

- Tax parcel information was gathered from WV Property Viewer
- N/A = indicates that data was not available





Photograph # 1
WWTP, overview of western end of property



Photograph # 2 WWTP, overview of eastern end of property

DATE: January 6, 2023 PROJECT NO. 020-10082

PROJECT NAME:

Paden City WWTP Phase I ESA Paden City Wetzel County, West Virginia

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Photograph # 3 WWTP, overview of southern end of property

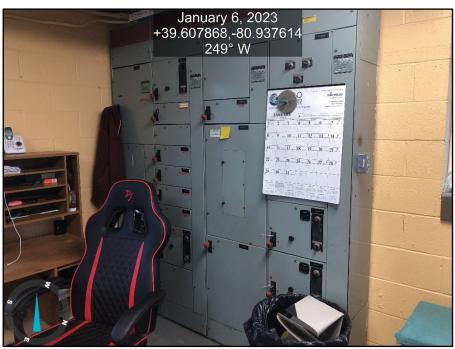


Photograph # 4 WWTP, overview of northern end of property

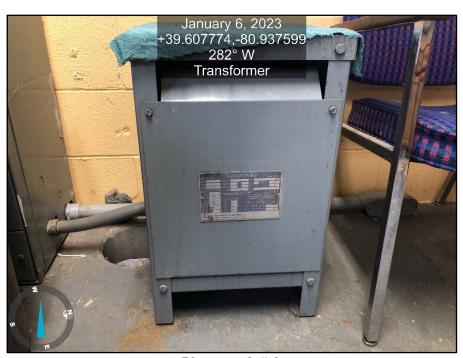
DATE: January 6, 2023 PROJECT NO. 020-10082

PROJECT NAME: Paden City WWTP Phase I ESA Paden City Wetzel County, West Virginia

Page 2 of 12



**Photograph # 5** WWTP, office building



Photograph # 6
WWTP, transformer in office building

PROJECT NAME:

Paden City WWTP Phase I ESA Paden City Wetzel County, West Virginia

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Photograph # 7
WWTP, laboratory in office building



Photograph # 8
WWTP, dumpster outside of headworks building

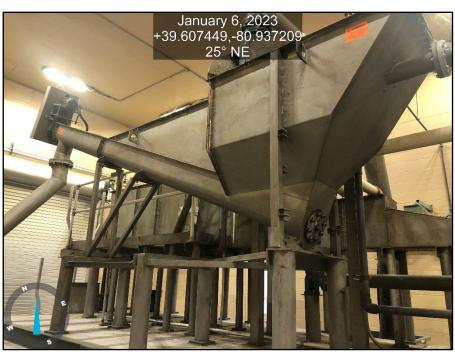
PROJECT NAME:

Paden City WWTP Phase I ESA Paden City Wetzel County, West Virginia

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Photograph # 9
WWTP, headworks control panel



Photograph # 10 WWTP, headworks

PROJECT NAME:

Paden City WWTP Phase I ESA Paden City Wetzel County, West Virginia

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Photograph # 11 WWTP, clarifier



**Photograph # 12** WWTP, clarifier machinery

PROJECT NAME:

Paden City WWTP Phase I ESA Paden City Wetzel County, West Virginia

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Photograph # 13 WWTP, oxidation ditch



**Photograph # 14** WWTP, oxidation ditch pump

PROJECT NAME:

Paden City WWTP Phase I ESA Paden City Wetzel County, West Virginia

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Photograph # 15 WWTP, storage shed



Photograph # 16 WWTP, debris piled in unused drying bed

PROJECT NAME:

Paden City WWTP Phase I ESA Paden City Wetzel County, West Virginia

Page 8 of 12



Photograph # 17 WWTP, drying beds



Photograph # 18 WWTP, palmer room

PROJECT NAME:

Paden City WWTP Phase I ESA Paden City Wetzel County, West Virginia

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**Photograph # 19** WWTP, chlorine diffuser



Photograph # 20 WWTP, chlorine tanks

PROJECT NAME:

Paden City WWTP Phase I ESA Paden City Wetzel County, West Virginia

Page 10 of 12



Photograph # 21 WWTP, sodium bisulfate tank



Photograph # 22 WWTP, emergency generator

PROJECT NAME:

Paden City WWTP Phase I ESA Paden City Wetzel County, West Virginia

Page 11 of 12



Photograph # 23
WWTP, submerged location of NDPES outlet

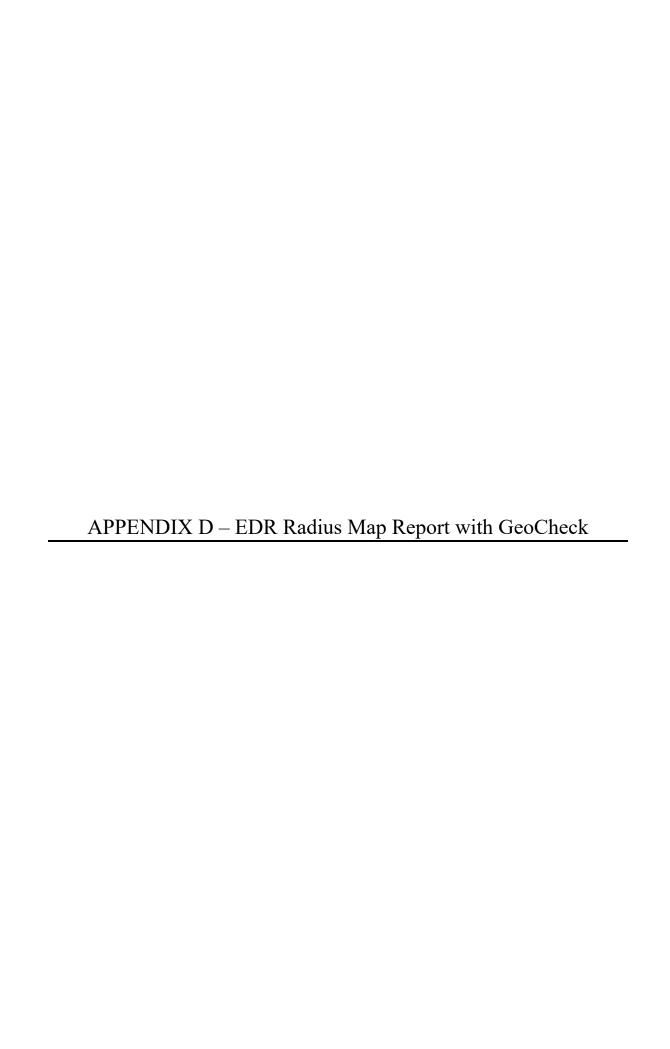


**Photograph # 24** WWTP, NPDES signage

PROJECT NAME:

Paden City WWTP Phase I ESA
Paden City
Wetzel County, West Virginia

Page 12 of 12



**Paden City WWTP** 

0 W Main St Paden City, WV 26159

Inquiry Number: 7202754.2s

December 13, 2022

# 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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**Thank you for your business.** Please contact EDR at 1-800-352-0050 with any questions or comments.

#### **Disclaimer - Copyright and Trademark Notice**

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, LLC. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. This Report is provided on an "AS IS", "AS AVAILABLE" basis. NO WARRANTY EXPRESS OR IMPLIED IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, LLC AND ITS SUBSIDIARIES, AFFILIATES AND THIRD PARTY SUPPLIERS DISCLAIM ALL WARRANTIES, OF ANY KIND OR NATURE, EXPRESS OR IMPLIED, ARISING OUT OF OR RELATED TO THIS REPORT OR ANY OF THE DATA AND INFORMATION PROVIDED IN THIS REPORT, INCLUDING WITHOUT LIMITATION, ANY WARRANTIES REGARDING ACCURACY, QUALITY, CORRECTNESS, COMPLETENESS, COMPREHENSIVENESS, SUITABILITY, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE, NON-INFRINGEMENT, MISAPPROPRIATION, OR OTHERWISE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, LLC OR ITS SUBSIDIARIES, AFFILIATES OR THIRD PARTY SUPPLIERS BE LIABLE TO ANYONE FOR ANY DIRECT, INCIDENTAL, INDIRECT, SPECIAL, CONSEQUENTIAL OR OTHER DAMAGES OF ANY TYPE OR KIND (INCLUDING BUT NOT LIMITED TO LOSS OF PROFITS, LOSS OF USE, OR LOSS OF DATA) INFORMATION PROVIDED IN THIS REPORT. Any analyses, estimates, ratings, environmental risk levels, or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only an assessment performed by a qualified environmental professional can provide findings, opinions or conclusions regarding the environmental risk or conditions in, on or at any property.

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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 (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

#### TARGET PROPERTY INFORMATION

#### **ADDRESS**

0 W MAIN ST PADEN CITY, WV 26159

#### **COORDINATES**

Latitude (North): 39.6076270 - 39<sup>2</sup> 36<sup>2</sup> 27.45<sup>2</sup> Longitude (West): 80.9373050 - 80<sup>2</sup> 56<sup>2</sup> 14.29<sup>2</sup>

Universal Tranverse Mercator: Zone 17 UTM X (Meters): 505382.3 UTM Y (Meters): 4384002.0

Elevation: 623 ft. above sea level

#### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 14449362 PADEN CITY, WV

Version Date: 2019

#### **AERIAL PHOTOGRAPHY IN THIS REPORT**

Portions of Photo from: 20150828 Source: USDA

# MAPPED SITES SUMMARY

Target Property Address: 0 W MAIN ST PADEN CITY, WV 26159

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
1	PADEN CITY WWTP	END OF MAIN STREET O	FINDS, ECHO	Higher	1 ft.
2	BFS FOODS #23	320 S MAIN ST	WV LUST, WV UST, WV Financial Assurance	Higher	468, 0.089, SSE
A3	PAUL WISSMACH GLASS	420 STEPHEN ST.	WV VCP, WV NPDES	Higher	609, 0.115, East
A4	PAUL WISSMACH GLASS	420 STEPHEN ST	RCRA NonGen / NLR	Higher	609, 0.115, East
5	W H OR G M FERREBEE	106 S 4TH ST	WV LUST, WV UST	Higher	1478, 0.280, SSE
6	PADEN PLACE	122 N 4TH AVE	WV LUST, WV UST	Higher	1513, 0.287, SE
7	FORMER CORNING PLANT	330 S. 1ST AVE	US BROWNFIELDS, FINDS	Higher	1733, 0.328, SSW
8	PADEN CITY GROUNDWAT	223 NORTH 4TH AVENUE	NPL, SEMS	Higher	1785, 0.338, ESE
B9	FORMER CHEVRON #2059	320 S 4TH ST	WV LUST, WV UST	Higher	2013, 0.381, South
10	PADEN CITY INDUSTRIA	435 SOUTH FIRST AVEN	WV BROWNFIELDS	Higher	2154, 0.408, SW
B11	CERTIFIED OIL CO	400 S 4TH AVE	WV LUST, WV UST	Higher	2198, 0.416, South
12	PADEN CITY DUCHESS	509 N 4TH ST	WV LUST, WV UST	Higher	2392, 0.453, East

#### 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 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

### Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE..... Superfund Enterprise Management System Archive

#### 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-SQG......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 US ENG CONTROLS...... Engineering Controls Sites List US INST CONTROLS...... Institutional Controls Sites List

Federa	<i>ERNS</i>	list
--------	-------------	------

ERNS..... Emergency Response Notification System

#### Lists of state- and tribal hazardous waste facilities

NPL list.

OH SHWS...... This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal

NPL list.

#### Lists of state and tribal landfills and solid waste disposal facilities

WV SWF/LF....List of M.S.W. Landfills/Transfer Station Listing

OH SWF/LF.....Licensed Solid Waste Facilities WV LCP.....Landfill Closure Program

#### Lists of state and tribal leaking storage tanks

WV LAST..... Leaking Aboveground Storage Tanks
OH LUST..... Leaking Underground Storage Tank File

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

#### Lists of state and tribal registered storage tanks

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

#### State and tribal institutional control / engineering control registries

WV INST CONTROL..... Sites with Institutional Controls

OH INST CONTROL..... Sites with Institutional Engineering Controls

### Lists of state and tribal voluntary cleanup sites

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

#### Lists of state and tribal brownfield sites

OH BROWNFIELDS..... Ohio Brownfield Inventory

#### ADDITIONAL ENVIRONMENTAL RECORDS

#### Local Lists of Landfill / Solid Waste Disposal Sites

INDIAN ODI\_\_\_\_\_\_ Report on the Status of Open Dumps on Indian Lands DEBRIS REGION 9\_\_\_\_\_ Torres Martinez Reservation Illegal Dump Site Locations

ODI\_\_\_\_\_Open Dump Inventory
IHS OPEN DUMPS\_\_\_\_\_Open Dumps on Indian Land

#### Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL..... Delisted National Clandestine Laboratory Register

WV CDL...... Drug Lab Site Locations OH CDL...... Clandestine Drug Lab Locations

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

WV SPILLS..... Spills Listing

OH SPILLS..... Emergency Response Database

#### 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

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

FTTS......FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide

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

UXO...... Unexploded Ordnance Sites

DOCKET HWC..... Hazardous Waste Compliance Docket Listing 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 RCRA MANIFEST..... PFAS Transfers Identified In the RCRA Database Listing

PFAS NPDES...... Clean Water Act Discharge Monitoring Information

PFAS ECHO...... Facilities in Industries that May Be Handling PFAS Listing PFAS ECHO FIRE TRAINING Facilities in Industries that May Be Handling PFAS Listing

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

AQUEOUS FOAM NRC..... Aqueous Foam Related Incidents Listing WV AIRS...... Permitted Facility and Emissions Listing

OH AIRS..... Title V Permits Listing

WV ASBESTOS..... ASBESTOS

OH ASBESTOS..... Asbestos Notification Listing

WV COAL ASH..... Coal Ash Landills

OH Financial Assurance Information Listing

WV MINES..... MINES

#### **EDR HIGH RISK HISTORICAL RECORDS**

#### **EDR Exclusive Records**

EDR MGP	EDR Proprietary Manufactured Gas Plants
	EDR Exclusive Historical Auto Stations
EDR Hist Cleaner	EDR Exclusive Historical Cleaners

#### **EDR RECOVERED GOVERNMENT ARCHIVES**

#### Exclusive Recovered Govt. Archives

WV RGA LF	Recovered Government Archive Solid Waste Facilities List
OH RGA LF	Recovered Government Archive Solid Waste Facilities List
WV RGATUST	Recovered Government Archive Leaking Underground Storage T

WV RGA LUST....... Recovered Government Archive Leaking Underground Storage Tank OH RGA LUST....... Recovered Government Archive Leaking Underground Storage Tank

#### **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 NPL (Superfund) sites

NPL: Also known as Superfund, the National Priority List database is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund program. The source of this database is the U.S. EPA.

A review of the NPL list, as provided by EDR, and dated 10/27/2022 has revealed that there is 1 NPL site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PADEN CITY GROUNDWAT	223 NORTH 4TH AVENUE	ESE 1/4 - 1/2 (0.338 mi.)	8	53

#### Lists of Federal sites subject to CERCLA removals and CERCLA orders

SEMS: 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.

A review of the SEMS list, as provided by EDR, and dated 10/27/2022 has revealed that there is 1 SEMS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PADEN CITY GROUNDWAT	223 NORTH 4TH AVENUE	ESE 1/4 - 1/2 (0.338 mi.)	8	53

#### Lists of state and tribal leaking storage tanks

WV LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Commerce, Labor & Environmental Resources' Leaking Underground Storage Tanks database.

A review of the WV LUST list, as provided by EDR, and dated 08/22/2022 has revealed that there are 6 WV LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BFS FOODS #23 Facility ID: 4805509 Leak Number: 95-180	320 S MAIN ST	SSE 0 - 1/8 (0.089 mi.)	2	8
W H OR G M FERREBEE Facility ID: 5204521 Leak Number: 96-162	106 S 4TH ST	SSE 1/4 - 1/2 (0.280 mi.)	5	42
PADEN PLACE	122 N 4TH AVE	SE 1/4 - 1/2 (0.287 mi.)	6	43

Facility ID: 5205763 Leak Number: 09-055				
FORMER CHEVRON #2059 Facility ID: 4807605 Leak Number: 98-064	320 S 4TH ST	S 1/4 - 1/2 (0.381 mi.)	<b>B</b> 9	56
CERTIFIED OIL CO Facility ID: 4807518 Leak Number: 93-301	400 S 4TH AVE	S 1/4 - 1/2 (0.416 mi.)	B11	58
PADEN CITY DUCHESS Facility ID: 5205784 Leak Number: 99-053	509 N 4TH ST	E 1/4 - 1/2 (0.453 mi.)	12	60

### Lists of state and tribal registered storage tanks

WV 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 Commerce, Labor & Environmental Resources.

A review of the WV UST list, as provided by EDR, and dated 08/22/2022 has revealed that there is 1 WV UST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BFS FOODS #23	320 S MAIN ST	SSE 0 - 1/8 (0.089 mi.)	2	8
Tank ID: -3		,		
Tank ID: -2				
Tank ID: -1				
Tank ID: 1				
Tank ID: 2				
Facility ID: 4805509				
Tank Status: Permanently Out of Service				
Tank Status: Currently In Use				
Date Closed: 10/17/1995				

### Lists of state and tribal voluntary cleanup sites

Closure Status: Tank removed from ground

Closure Status: Not listed

WV VCP: Sites involved in the Voluntary Remediation Program.

A review of the WV VCP list, as provided by EDR, and dated 04/01/2022 has revealed that there is 1 WV VCP site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PAUL WISSMACH GLASS Facility Id: W 12/13/2010 Vol. Rem Project Number: 03476	420 STEPHEN ST.	E 0 - 1/8 (0.115 mi.)	A3	16

#### Lists of state and tribal brownfield sites

WV BROWNFIELDS: Brownfields are abandoned, idle or underused commercial or industrial properties, where the expansion or redevelopment is hindered by real or perceived contamination. Brownfields vary in size, location, age, and past use -- they can be anything from a five-hundred acre automobile assembly plant to a small, abandoned corner gas station.

A review of the WV BROWNFIELDS list, as provided by EDR, and dated 06/21/2022 has revealed that there is 1 WV BROWNFIELDS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PADEN CITY INDUSTRIA	435 SOUTH FIRST AVEN	SW 1/4 - 1/2 (0.408 mi.)	10	58

#### ADDITIONAL ENVIRONMENTAL RECORDS

#### Local Brownfield lists

US BROWNFIELDS: The EPA's listing of Brownfields properties from the Cleanups in My Community program, which provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

A review of the US BROWNFIELDS list, as provided by EDR, and dated 02/23/2022 has revealed that there is 1 US BROWNFIELDS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page	
FORMER CORNING PLANT	330 S. 1ST AVE	SSW 1/4 - 1/2 (0.328 mi.)	7	45	
ACRES property ID: 240431 Cleanup Completion Date: -					

#### 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 11/21/2022 has revealed that there is 1 RCRA NonGen / NLR site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page	
PAUL WISSMACH GLASS	420 STEPHEN ST	E 0 - 1/8 (0.115 mi.)	A4	16	
EPA ID:: WVR000541094					

FINDS: The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 08/03/2022 has revealed that there is 1 FINDS site within approximately 0.001 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page	
PADEN CITY WWTP	END OF MAIN STREET O	0 - 1/8 (0.000 mi.)	1	8	
Registry ID:: 110056008029					

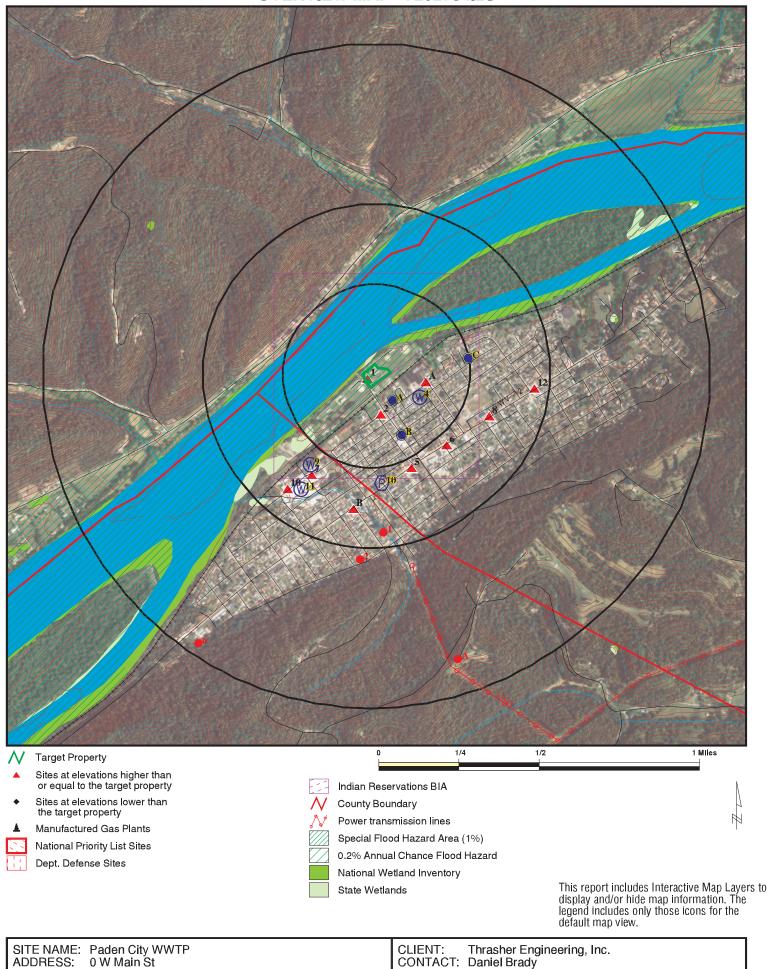
ECHO: ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

A review of the ECHO list, as provided by EDR, and dated 06/25/2022 has revealed that there is 1 ECHO site within approximately 0.001 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page	
PADEN CITY WWTP	END OF MAIN STREET O	0 - 1/8 (0.000 mi.)	1	8	
Registry ID: 110056008029					

There were no unmapped sites in this report.

# **OVERVIEW MAP - 7202754.2S**



ADDRESS:

LAT/LONG:

0 W Main St

Paden City WV 26159 39.607627 / 80.937305

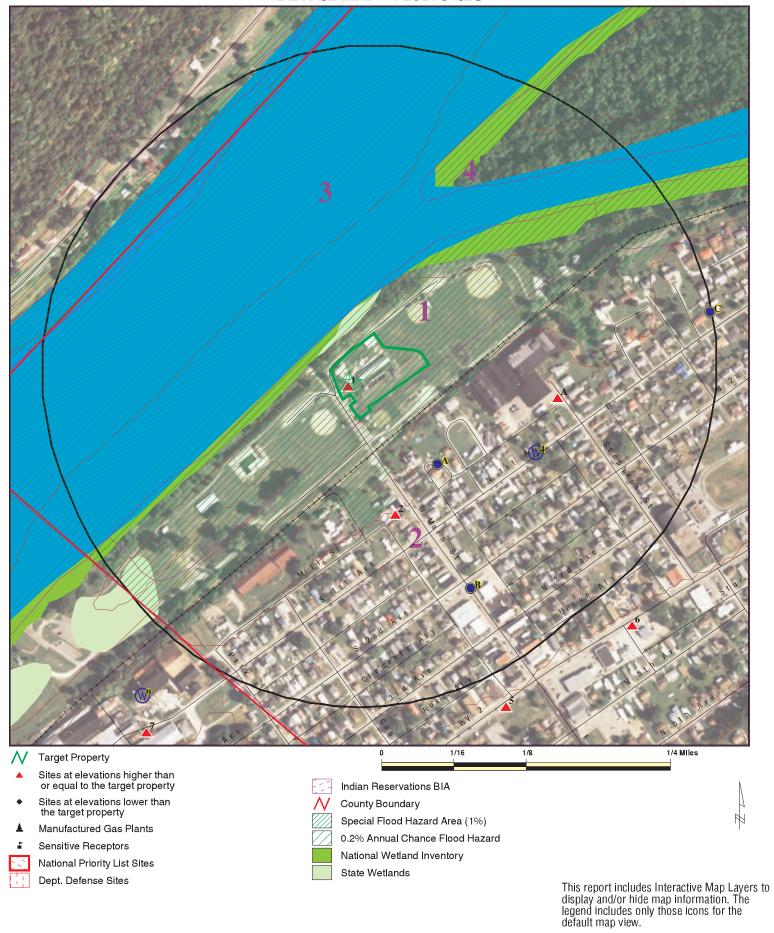
December 13, 2022 12:50 pm Copyright © 2022 EDR, Inc. © 2015 TomTom Rel. 2015.

7202754.2s

INQUIRY#:

DATE:

# **DETAIL MAP - 7202754.2S**



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Daniel Brady

7202754.2s

Thrasher Engineering, Inc.

CLIENT: CONTACT:

INQUIRY#:

DATE:

SITE NAME: Paden City WWTP

0 W Main St

Paden City WV 26159 39.607627 / 80.937305

ADDRESS:

LAT/LONG:

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	>1	Total Plotted	
STANDARD ENVIRONMENTAL RECORDS									
Lists of Federal NPL (Su	perfund) sites	5							
NPL Proposed NPL NPL LIENS	1.000 1.000 1.000		0 0 0	0 0 0	1 0 0	0 0 0	NR NR NR	1 0 0	
Lists of Federal Delisted	NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0	
Lists of Federal sites su CERCLA removals and (		rs							
FEDERAL FACILITY SEMS	0.500 0.500		0 0	0 0	0 1	NR NR	NR NR	0 1	
Lists of Federal CERCLA sites with NFRAP									
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0	
Lists of Federal RCRA fa undergoing Corrective A									
CORRACTS	1.000		0	0	0	0	NR	0	
Lists of Federal RCRA T	SD facilities								
RCRA-TSDF	0.500		0	0	0	NR	NR	0	
Lists of Federal RCRA g	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 facilities	es								
WV SHWS OH SHWS	N/A N/A		N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
Lists of state and tribal l and solid waste disposa									
WV SWF/LF OH SWF/LF WV LCP	0.500 0.500 0.500		0 0 0	0 0 0	0 0 0	NR NR NR	NR NR NR	0 0 0	

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Lists of state and tribal l	eaking storag	ge tanks						
WV LUST WV LAST OH LUST INDIAN LUST	0.500 0.500 0.500 0.500		1 0 0 0	0 0 0 0	5 0 0 0	NR NR NR NR	NR NR NR NR	6 0 0 0
Lists of state and tribal r	egistered sto	rage tanks						
FEMA UST WV UST OH UST WV AST OH AST INDIAN UST	0.250 0.250 0.250 0.250 0.250 0.250		0 1 0 0 0	0 0 0 0 0	NR NR NR NR NR NR	NR NR NR NR NR	NR NR NR NR NR	0 1 0 0 0
State and tribal institution control / engineering control		es						
WV INST CONTROL OH 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						
WV VCP INDIAN VCP OH VCP	0.500 0.500 0.500		1 0 0	0 0 0	0 0 0	NR NR NR	NR NR NR	1 0 0
Lists of state and tribal k	prownfield sit	tes						
OH BROWNFIELDS WV BROWNFIELDS	0.500 0.500		0 0	0 0	0 1	NR NR	NR NR	0 1
ADDITIONAL ENVIRONMEN	ITAL RECORD	<u>s</u>						
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	1	NR	NR	1
Local Lists of Landfill / S Waste Disposal Sites	Solid							
INDIAN ODI DEBRIS REGION 9 ODI IHS OPEN DUMPS	0.500 0.500 0.500 0.500		0 0 0	0 0 0 0	0 0 0	NR NR NR NR	NR NR NR NR	0 0 0 0
Local Lists of Hazardous Contaminated Sites	s waste /							
US HIST CDL WV CDL OH CDL US CDL	0.001 0.001 0.001 0.001		0 0 0 0	NR NR NR NR	NR NR NR NR	NR NR NR NR	NR NR NR NR	0 0 0 0
Local Land Records								
LIENS 2	0.001		0	NR	NR	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	
Records of Emergency Release Reports									
HMIRS WV SPILLS OH SPILLS	0.001 0.001 0.001		0 0 0	NR NR NR	NR NR NR	NR NR NR	NR NR NR	0 0 0	
Other Ascertainable Rec	ords								
RCRA NonGen / NLR FUDS DOD SCRD DRYCLEANERS US FIN ASSUR EPA WATCH LIST 2020 COR ACTION TSCA TRIS SSTS ROD RMP RAATS PRP PADS ICIS FTTS MLTS COAL ASH DOE COAL ASH EPA PCB TRANSFORMER RADINFO HIST FTTS DOT OPS CONSENT INDIAN RESERV FUSRAP UMTRA LEAD SMELTERS US AIRS US MINES ABANDONED MINES FINDS ECHO	0.250 1.000 1.000 1.000 0.500 0.001 0.001 0.001 0.001 1.000 0.001		1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	O O O O O RR O RR O RR NR RR RR RR O RR RR O O O O	$\mathbf{N} \circ \circ \circ \mathbf{N} \mathbf{R} \mathbf{R} \mathbf{R} \mathbf{R} \mathbf{S} \mathbf{R} \mathbf{R} \mathbf{R} \mathbf{R} \mathbf{R} \mathbf{R} \mathbf{R} R$	$\mathbf{N} \circ \circ \mathbf{R} \mathbf{R} \mathbf{R} \mathbf{R} \mathbf{R} \mathbf{R} \mathbf{R} \mathbf{R}$	R R R R R R R R R R R R R R R R R R R	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
UXO DOCKET HWC FUELS PROGRAM PFAS NPL PFAS FEDERAL SITES PFAS TSCA PFAS RCRA MANIFEST PFAS ATSDR PFAS WQP PFAS NPDES	1.000 0.001 0.250 0.250 0.250 0.250 0.250 0.250 0.250 0.250		0 0 0 0 0 0 0 0	0 NR 0 0 0 0 0 0	0 NR NR NR NR NR NR NR NR	0 NR NR NR NR NR NR NR NR	NR NR NR NR NR NR NR NR	0 0 0 0 0 0 0	

	Search	T						Tatal
Database	Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
PFAS ECHO	0.250		0	0	NR	NR	NR	0
PFAS ECHO FIRE TRAININ			Ö	Ö	NR	NR	NR	Ö
PFAS PART 139 AIRPORT	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		0	0	NR	NR	NR	0
WV AIRS	0.001		0	NR	NR	NR	NR	0
OH AIRS	0.001		0	NR	NR	NR	NR	0
WV ASBESTOS	0.001		0	NR	NR	NR	NR	0
OH ASBESTOS	0.001		0	NR	NR	NR	NR	0
WV COAL ASH	0.500		0	0	0	NR	NR	0
OH COAL ASH	0.500		0	0	0	NR	NR	0
WV DRYCLEANERS	0.250		0	0	NR	NR	NR	0
OH DRYCLEANERS	0.250		0	0	NR	NR	NR	0
WV Financial Assurance	0.001		0	NR	NR	NR	NR	0
OH Financial Assurance WV MINES	0.001		0 0	NR NR	NR NR	NR NR	NR NR	0
WV NPDES	0.001 0.001		0	NR NR	NR NR	NR NR	NR NR	0 0
OH NPDES	0.001		0	NR NR	NR NR	NR	NR NR	0
WV UIC	0.001		0	NR	NR	NR	NR	0
OH UIC	0.001		0	NR	NR	NR	NR	0
MINES MRDS	0.001		0	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL	RECORDS							
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNM	MENT ARCHIVE	<u>s</u>						
Exclusive Recovered Gov	t. Archives							
WV RGA LF	0.001		0	NR	NR	NR	NR	0
OH RGA LF	0.001		0	NR	NR	NR	NR	0
WV RGA LUST	0.001		0	NR	NR	NR	NR	0
OH RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals		0	6	0	9	0	0	15

# NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

N/A = This State does not maintain a SHWS list. See the Federal CERCLIS list.

Direction
Distance

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

1 PADEN CITY WWTP FINDS 1018351201 END OF MAIN STREET ON OHIO RIV ECHO N/A

< 1/8 PADEN CITY, WV 26159

1 ft.

FINDS:

Relative: Registry ID: 110056008029

Higher

Click Here for FRS Facility Detail Report:

Actual: 623 ft.

Environmental Interest/Information System:

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the

discharge does not adversely affect water quality.

Click this hyperlink while viewing on your computer to access

additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1018351201 Registry ID: 110056008029

DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110056008029

Name: PADEN CITY WWTP

Address: END OF MAIN STREET ON OHIO RIV

City,State,Zip: PADEN CITY, WV 26159

2 BFS FOODS #23 WV LUST U003771603 SSE 320 S MAIN ST WV UST N/A

< 1/8 PADEN CITY, WV 26159 WV Financial Assurance

0.089 mi. 468 ft.

Relative: LUST:

HigherName:BFS FOODS #23Actual:Address:320 S MAIN ST

640 ft. City, State, Zip: PADEN CITY, WV 26159

Facility ID: 4805509 Leak Number: 95-180

Responsible Party: BRUCETON FARM SERVICE, INC.

Confirmed Release Date: 10/31/1995 Cleanup Initiated Date: 10/17/1995 Cleanup Complete Date: 02/20/1997 EDR Link ID: 4-805509

UST:

 Name:
 BFS FOODS #23

 Address:
 320 S MAIN ST

 City:
 PADEN CITY

 Facility ID:
 4805509

Owner: BRUCETON FARM SERVICE, INC.

Owner Address: 116 SHANNON DRIVE

Owner Address 2: Not reported

Owner City, St, Zip: MORGANTOWN, WV 26508

Owner Telephone: (304) 291-6980

Direction Distance

Elevation Site Database(s) EPA ID Number

#### BFS FOODS #23 (Continued)

U003771603

**EDR ID Number** 

Tank ID: -1

Tank Status: Permanently Out of Service

Tank Substance: Gasoline
Tank Capacity: 8000
Date Last Used: 10/15/1995
Date Closed: 10/17/1995

Closure Status: Tank removed from ground

Tank Material: Steel

Piping Material: Unprotected Steel

Overfill Installed: No Installed Spill Protection: No Cathodic Protection Method: No Compartment: 1

Recorded Date: Not reported Latitude: 39.601434 Longitude: 80.93801

Tank ID: -2

Tank Status: Permanently Out of Service

Tank Substance: Gasoline
Tank Capacity: 6000
Date Last Used: 10/15/1995

Date Closed: 10/17/1995
Closure Status: Tank removed from ground

Tank Material: Steel

Piping Material: Unprotected Steel

Overfill Installed: No Installed Spill Protection: No Cathodic Protection Method: No Compartment: 1

Recorded Date: Not reported Latitude: 39.601434 Longitude: 80.93801

Tank ID: -3

Tank Status: Permanently Out of Service

Tank Substance: Gasoline
Tank Capacity: 8000
Date Last Used: 10/15/1995
Date Closed: 10/17/1995

Closure Status: Tank removed from ground

Tank Material: Steel

Piping Material: Unprotected Steel

Overfill Installed: No
Installed Spill Protection: No
Cathodic Protection Method: No
Compartment: 1

Recorded Date: Not reported Latitude: 39.601434 Longitude: 80.93801

Tank ID:

Tank Status: Currently In Use

Tank Substance: Gasoline

Direction Distance

Elevation Site Database(s) EPA ID Number

#### BFS FOODS #23 (Continued)

U003771603

**EDR ID Number** 

Tank Capacity: 12000
Date Last Used: Not reported
Date Closed: Not reported
Closure Status: Not listed
Tank Material: Composite
Piping Material: Not reported

Overfill Installed: Yes
Installed Spill Protection: Yes
Cathodic Protection Method: Yes
Compartment: 1

Recorded Date: Not reported Latitude: 39.601434 Longitude: 80.93801

Tank ID:

Tank Status: Currently In Use

Tank Substance: Gasoline
Tank Capacity: 8000
Date Last Used: Not report

Date Last Used: Not reported
Date Closed: Not reported
Closure Status: Not listed
Tank Material: Composite
Piping Material: Not reported

Overfill Installed: Yes
Installed Spill Protection: Yes
Cathodic Protection Method: Yes
Compartment: 1

Recorded Date: Not reported Latitude: 39.601434 Longitude: 80.93801

#### WV Financial Assurance:

Policy: USC 3631450-09

ld #: 4-805509

Owner Name: BRUCETON FARM SERV INC
Owner Address: 1768 MILEGROUND RD

Owner Address: Not reported
Owner City: MORGANTOWN

Owner State: WV Owner Zip: 26505

Owner Phone: (304) 291-6980

 Tank Id #:
 2

 Tank Capacity:
 8000

 Begin Date:
 10/09/2008

 End Date:
 10/09/2009

 Cancel Date:
 Not reported

Policy Name: ZURICH INSURANCE COMPANY

Tank Material: Composite (Steel w/ FRP)

Tank Option: None
Pipe Material: Enviroflex

Pipe Option: Secondary Containment

Policy: USC 3631450-09 Id #: 4-805509

Owner Name: BRUCETON FARM SERV INC
Owner Address: 1768 MILEGROUND RD

MAP FINDINGS Map ID

Direction Distance

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

#### BFS FOODS #23 (Continued)

U003771603

Owner Address: Not reported MORGANTOWN Owner City:

Owner State: WV Owner Zip: 26505

Owner Phone: (304) 291-6980

Tank Id #: 12000 Tank Capacity: Begin Date: 10/09/2008 End Date: 10/09/2009 Cancel Date: Not reported

**ZURICH INSURANCE COMPANY** Policy Name:

Tank Material: Composite (Steel w/ FRP)

Tank Option: None Pipe Material: Enviroflex

Pipe Option: Secondary Containment

Policy: USC3631450 10 4-805509 ld #:

Owner Name: BRUCETON FARM SERV INC

1768 MILEGROUND RD Owner Address:

Owner Address: Not reported MORGANTOWN Owner City:

Owner State: WV

Owner Zip: 26505

(304) 291-6980 Owner Phone:

Tank Id #:

Tank Capacity: 12000 Begin Date: 10/09/2009 10/09/2010 End Date: Cancel Date: Not reported

Policy Name: **ZURICH INSURANCE COMPANY** 

Tank Material: Composite (Steel w/ FRP)

Tank Option: None Pipe Material: Enviroflex

Pipe Option: Secondary Containment

Policy: USC3631450 10 ld #: 4-805509

Owner Name: BRUCETON FARM SERV INC Owner Address: 1768 MILEGROUND RD

Owner Address: Not reported Owner City: MORGANTOWN

Owner State: WV 26505 Owner Zip:

Owner Phone: (304) 291-6980

Tank Id #: 2 Tank Capacity: 8000 10/09/2009 Begin Date: 10/09/2010 End Date: Cancel Date: Not reported

**ZURICH INSURANCE COMPANY** Policy Name:

Tank Material: Composite (Steel w/ FRP)

Tank Option: None Pipe Material: Enviroflex

Pipe Option: Secondary Containment

Policy: G23879694 001

Direction Distance

Elevation Site Database(s) EPA ID Number

#### BFS FOODS #23 (Continued)

Id #: 4-805509

Owner Name: BRUCETON FARM SERV INC
Owner Address: 1768 MILEGROUND RD

Owner Address: Not reported
Owner City: MORGANTOWN

Owner State: WV Owner Zip: 26505

Owner Phone: (304) 291-6980

 Tank Id #:
 2

 Tank Capacity:
 8000

 Begin Date:
 10/09/2010

 End Date:
 10/09/2011

 Cancel Date:
 Not reported

Policy Name: ILLINOIS UNION INSURANCE COMPANY

Tank Material: Composite (Steel w/ FRP)

Tank Option: None
Pipe Material: Enviroflex

Pipe Option: Secondary Containment

Policy: G23879694 001 ld #: 4-805509

Owner Name: BRUCETON FARM SERV INC
Owner Address: 1768 MILEGROUND RD

Owner Address: Not reported Owner City: MORGANTOWN

Owner State: WV Owner Zip: 26505

Owner Phone: (304) 291-6980

Tank Id #: 1
Tank Capacity: 12000
Begin Date: 10/09/2010
End Date: 10/09/2011
Cancel Date: Not reported

Policy Name: ILLINOIS UNION INSURANCE COMPANY

Tank Material: Composite (Steel w/ FRP)

Tank Option: None
Pipe Material: Enviroflex

Pipe Option: Secondary Containment

Policy: G23879694-002 Id #: 4-805509

Owner Name: BRUCETON FARM SERV INC Owner Address: 1768 MILEGROUND RD

Owner Address: Not reported
Owner City: MORGANTOWN

Owner State: WV Owner Zip: 26505

Owner Phone: (304) 291-6980

 Tank Id #:
 2

 Tank Capacity:
 8000

 Begin Date:
 10/09/2011

 End Date:
 10/09/2012

Cancel Date: Not reported
Policy Name: ILLINOIS UNION INSUR

Policy Name: ILLINOIS UNION INSURANCE COMPANY

Tank Material: Composite (Steel w/ FRP)

Tank Option: None
Pipe Material: Enviroflex

**EDR ID Number** 

U003771603

Direction Distance

Elevation Site Database(s) EPA ID Number

#### BFS FOODS #23 (Continued)

U003771603

**EDR ID Number** 

Pipe Option: Secondary Containment

Policy: G23879694-002 Id #: 4-805509

Owner Name: BRUCETON FARM SERV INC
Owner Address: 1768 MILEGROUND RD

Owner Address: Not reported
Owner City: MORGANTOWN

Owner State: WV Owner Zip: 26505

Owner Phone: (304) 291-6980

 Tank Id #:
 1

 Tank Capacity:
 12000

 Begin Date:
 10/09/2011

 End Date:
 10/09/2012

 Cancel Date:
 Not reported

Policy Name: ILLINOIS UNION INSURANCE COMPANY

Tank Material: Composite (Steel w/ FRP)

Tank Option: None
Pipe Material: Enviroflex

Pipe Option: Secondary Containment

Policy: STE3151121101 Id #: 4-805509

Owner Name: BRUCETON FARM SERV INC
Owner Address: 1768 MILEGROUND RD

Owner Address: Not reported
Owner City: MORGANTOWN

Owner State: WV Owner Zip: 26505

Owner Phone: (304) 291-6980

 Tank Id #:
 2

 Tank Capacity:
 8000

 Begin Date:
 10/09/2012

 End Date:
 10/09/2013

 Cancel Date:
 Not reported

Policy Name: HUDSON INSURANCE
Tank Material: Composite (Steel w/ FRP)

Tank Option: None
Pipe Material: Enviroflex

Pipe Option: Secondary Containment

Policy: STE3151121101 Id #: 4-805509

Owner Name: BRUCETON FARM SERV INC
Owner Address: 1768 MILEGROUND RD

Owner Address: Not reported
Owner City: MORGANTOWN

Owner State: WV Owner Zip: 26505

Owner Phone: (304) 291-6980

 Tank Id #:
 1

 Tank Capacity:
 12000

 Begin Date:
 10/09/2012

 End Date:
 10/09/2013

 Cancel Date:
 Not reported

Policy Name: HUDSON INSURANCE

Direction Distance

Elevation Site Database(s) EPA ID Number

#### BFS FOODS #23 (Continued)

U003771603

**EDR ID Number** 

Tank Material: Composite (Steel w/ FRP)

Tank Option: None
Pipe Material: Enviroflex

Pipe Option: Secondary Containment

Policy: 12345 Id #: 4-805509

Owner Name: BRUCETON FARM SERV INC
Owner Address: 1768 MILEGROUND RD

Owner Address: Not reported
Owner City: MORGANTOWN

Owner State: WV
Owner Zip: 26505
Owner Phone: (304) 291-6980

 Tank Id #:
 2

 Tank Capacity:
 8000

 Begin Date:
 10/09/2005

 End Date:
 10/09/2006

 Cancel Date:
 Not reported

Policy Name: ZURICH INSURANCE COMPANY

Tank Material: Composite (Steel w/ FRP)

Tank Option: None
Pipe Material: Enviroflex

Pipe Option: Secondary Containment

Policy: 12345 Id #: 4-805509

Owner Name: BRUCETON FARM SERV INC
Owner Address: 1768 MILEGROUND RD

Owner Address: Not reported Owner City: MORGANTOWN

Owner State: WV
Owner Zip: 26505

Owner Phone: (304) 291-6980

 Tank Id #:
 1

 Tank Capacity:
 12000

 Begin Date:
 10/09/2005

 End Date:
 10/09/2006

 Cancel Date:
 Not reported

Policy Name: ZURICH INSURANCE COMPANY

Tank Material: Composite (Steel w/ FRP)

Tank Option: None
Pipe Material: Enviroflex

Pipe Option: Secondary Containment

Policy: 12345 Id #: 4-805509

Owner Name: BRUCETON FARM SERV INC
Owner Address: 1768 MILEGROUND RD

Owner Address: Not reported
Owner City: MORGANTOWN

Owner State: WV Owner Zip: 26505

Owner Phone: (304) 291-6980

Tank Id #: 2
Tank Capacity: 8000
Begin Date: 05/15/1996

MAP FINDINGS Map ID

Direction Distance

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

#### BFS FOODS #23 (Continued)

U003771603

End Date: 05/15/1998 Not reported Cancel Date:

Policy Name: STATE INSURANCE FUND Tank Material: Composite (Steel w/ FRP)

Tank Option: None Pipe Material: Enviroflex

Pipe Option: Secondary Containment

Policy: 12345 ld #: 4-805509

BRUCETON FARM SERV INC Owner Name: Owner Address: 1768 MILEGROUND RD

Owner Address: Not reported Owner City: **MORGANTOWN** 

Owner State: WV Owner Zip: 26505

Owner Phone: (304) 291-6980

Tank Id #: Tank Capacity: 12000 05/15/1996 Begin Date: End Date: 05/15/1998 Cancel Date: Not reported

Policy Name: STATE INSURANCE FUND Tank Material: Composite (Steel w/ FRP)

Tank Option: None Pipe Material: Enviroflex

Pipe Option: Secondary Containment

ST6169178 Policy: ld #: 4-805509

Owner Name: **BRUCETON FARM SERV INC** Owner Address: 1768 MILEGROUND RD

Owner Address: Not reported Owner City: **MORGANTOWN** 

WV Owner State: 26505 Owner Zip: Owner Phone: (304) 291-6980

Tank Id #: Tank Capacity: 8000 09/11/1998 Begin Date: End Date: 09/11/1999 Cancel Date: Not reported

Policy Name: COMMERCE & INDUSTRY INSURANCE

Composite (Steel w/ FRP) Tank Material:

Tank Option: None Pipe Material: Enviroflex

Pipe Option: Secondary Containment

Policy: ST6169178 ld #: 4-805509

Owner Name: **BRUCETON FARM SERV INC** Owner Address: 1768 MILEGROUND RD

Owner Address: Not reported Owner City: **MORGANTOWN** 

Owner State: WV Owner Zip: 26505

Owner Phone: (304) 291-6980

Direction Distance

Elevation Site Database(s) EPA ID Number

BFS FOODS #23 (Continued) U003771603

 Tank Id #:
 1

 Tank Capacity:
 12000

 Begin Date:
 09/11/1998

 End Date:
 09/11/1999

 Cancel Date:
 Not reported

Policy Name: COMMERCE & INDUSTRY INSURANCE

Tank Material: Composite (Steel w/ FRP)

Tank Option: None
Pipe Material: Enviroflex

Pipe Option: Secondary Containment

A3 PAUL WISSMACH GLASS COMPANY WV VCP

East 420 STEPHEN ST.

< 1/8 PADEN CITY, WV 26159

0.115 mi.

609 ft. Site 1 of 2 in cluster A

Relative: VCP:

**Higher** Name: PAUL WISSMACH GLASS CO.

Actual:Address:420 STEPHEN ST.645 ft.City,State,Zip:PADEN CITY, WV

Applicant Name: Paul Wissmach Glass Company, Inc.

Project Manager: **Phillips** Approximate Size In Acres: Not reported Project Site: Not reported Facility Id: W 12/13/2010 Project Number: 03476 Certificate Of Completion Date: Not reported Certificate Of Completion AcreageNot reported Type Of Institutional Control: Not reported Name Of Contaminants: Glass Manufacturing

NPDES:

Name: PAUL WISSMACH GLASS COMPANY

Address: 420 STEPHEN ST.
City,State,Zip: PADEN CITY, WV 26159

Permit ID: WV0078352
Phone: Not reported
Disturbed Acres: Not reported
Number of Customers: Not reported
Individual General SW: INDST
Latitude: Not reported
Longitude: Not reported

A4 PAUL WISSMACH GLASS COMPANY INC RCRA NonGen / NLR 1024896389
East 420 STEPHEN ST WVR000541094

East 420 STEPHEN ST < 1/8 PADEN CITY, WV 26159

0.115 mi.

609 ft. Site 2 of 2 in cluster A

Relative: RCRA Listings:

HigherDate Form Received by Agency:20180522Actual:Handler Name:PAUL WISSMACH GLASS COMPANY INC645 ft.Handler Address:420 STEPHEN ST

Handler City, State, Zip: PADEN CITY, WV 26159

EPA ID: WVR000541094

**EDR ID Number** 

S108038715

N/A

**WV NPDES** 

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

# PAUL WISSMACH GLASS COMPANY INC (Continued)

1024896389

Contact Name: MARK FELDMEIER
Contact Address: 420 STEPHEN ST
Contact City, State, Zip: PADEN CITY, WV 26159

Contact Telephone: 304-337-2253
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: PRESIDENT
EPA Region: 03

Land Type: Not reported

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: Not reported State District: Not reported Mailing Address: 420 STEPHEN ST Mailing City, State, Zip: PADEN CITY, WV 26159

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: Nο Transfer Facility Activity: Nο Recycler Activity with Storage: No Small Quantity On-Site Burner Exemption: No Smelting Melting and Refining Furnace Exemption: No **Underground Injection Control:** Nο Off-Site Waste Receipt: No Universal Waste Indicator: No Universal Waste Destination Facility: No Federal Universal Waste: No

Active Site Fed-Reg Treatment Storage and Disposal Facility: Not reported Active Site Converter Treatment storage and Disposal Facility: Not reported Active Site State-Reg Treatment Storage and Disposal Facility: Not reported

Active Site State-Reg Handler: --

Federal Facility Indicator: Not reported

Hazardous Secondary Material Indicator: N

Sub-Part K Indicator: Not reported

Commercial TSD Indicator: No

Treatment Storage and Disposal Type:

2018 GPRA Permit Baseline:

2018 GPRA Renewals Baseline:

Not on the Baseline

Not on the Baseline

Permit Renewals Workload Universe:

Permit Workload Universe:

Permit Progress Universe:

Post-Closure Workload Universe:

Closure Workload Universe:

Not reported

Not reported

Not reported

Not reported

202 GPRA Corrective Action Baseline:

Corrective Action Workload Universe:

Subject to Corrective Action Universe:

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

No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:

No
TSDFs Only Subject to CA under Discretionary Auth Universe:

No

Direction Distance

Elevation Site Database(s) EPA ID Number

## PAUL WISSMACH GLASS COMPANY INC (Continued)

1024896389

**EDR ID Number** 

Corrective Action Priority Ranking: No NCAPS ranking

Environmental Control Indicator:

Institutional Control Indicator:

No
Human Exposure Controls Indicator:

N/A
Groundwater Controls Indicator:

N/A

Operating TSDF Universe:

Full Enforcement Universe:

Not reported

Not reported

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

20191015 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: Nο Recycler Activity Without Storage: No Manifest Broker: No Sub-Part P Indicator: No

Historic Generators:

Receive Date: 20180522 Handler Name: PAUL WISSMACH GLASS COMPANY INC

Federal Waste Generator Description: Not a generator, verified

State District Owner: Not reported

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: Yes Non Storage Recycler Activity: No Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:

NAICS Code: 32721

NAICS Description: GLASS AND GLASS PRODUCT MANUFACTURING

Facility Has Received Notices of Violation:

Found Violation: Yes Agency Which Determined Violation: State

Violation Short Description: Generators - General

Date Violation was Determined: 20180522 Actual Return to Compliance Date: 20180723 Return to Compliance Qualifier: Documented Violation Responsible Agency: State Scheduled Compliance Date: Not reported Enforcement Identifier: 001 20180522 Date of Enforcement Action: Enforcement Responsible Agency: State **Enforcement Docket Number:** Not reported **Enforcement Attorney:** Not reported Corrective Action Component:

Corrective Action Component:

Appeal Initiated Date: Not reported

Direction Distance Elevation

ion Site Database(s) EPA ID Number

## PAUL WISSMACH GLASS COMPANY INC (Continued)

1024896389

**EDR ID Number** 

Appeal Resolution Date:

Disposition Status Date:

Not reported

Not reported

Not reported

Not reported

Disposition Status:

Not reported

Not reported

Not reported

Consent/Final Order Sequence NumberNot reported

Consent/Final Order Respondent Name: Not reported Consent/Final Order Lead Agency: Not reported Enforcement Type: WRITTEN INFORMAL Enforcement Responsible Person: WVJRF Enforcement Responsible Sub-Organization: EE-HW

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: Yes
Agency Which Determined Violation: State

Violation Short Description: State Statute or Regulation

Date Violation was Determined: 20180522 Actual Return to Compliance Date: 20200805 Return to Compliance Qualifier: Documented Violation Responsible Agency: State Scheduled Compliance Date: Not reported Enforcement Identifier: 001 Date of Enforcement Action: 20190622 Enforcement Responsible Agency: State **Enforcement Docket Number:** Not reported **Enforcement Attorney:** Not reported

Corrective Action Component: No

Appeal Initiated Date:

Appeal Resolution Date:

Disposition Status Date:

Disposition Status:

Not reported

Consent/Final Order Sequence NumberNot reported

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

Enforcement Type: Not reported

Enforcement Responsible Person: WVJMS
Enforcement Responsible Sub-Organization: EE-HW

SEP Sequence Number: Not reported

Map ID MAP FINDINGS
Direction

Direction Distance Elevation

ation Site Database(s) EPA ID Number

## PAUL WISSMACH GLASS COMPANY INC (Continued)

1024896389

**EDR ID Number** 

Paid Amount: Not reported Final Count: Not reported Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State

Violation Short Description: State Statute or Regulation

Date Violation was Determined:

Actual Return to Compliance Date:

Return to Compliance Qualifier:

Violation Responsible Agency:

Scheduled Compliance Date:

Enforcement Identifier:

Date of Enforcement Action:

Scheduled Compliance Date:

Date of Enforcement Action:

Date of Enforcement Action:

Date of Enforcement Action:

Scheduled Compliance Date:

O01

20190802

Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported

Corrective Action Component: No

Appeal Initiated Date:

Appeal Resolution Date:

Disposition Status Date:

Disposition Status:

Not reported

Consent/Final Order Sequence NumberNot reported

Consent/Final Order Respondent Name: Not reported Consent/Final Order Lead Agency: Not reported Enforcement Type: INITIAL 3008(A) COMPLIANCE Enforcement Responsible Person: WVJWB Enforcement Responsible Sub-Organization: EE-HW

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: Yes Agency Which Determined Violation: State

Violation Short Description: State Statute or Regulation

Date Violation was Determined: 20180522 Actual Return to Compliance Date: 20200805 Return to Compliance Qualifier: Documented Violation Responsible Agency: State Scheduled Compliance Date: Not reported **Enforcement Identifier:** 001 Date of Enforcement Action: 20190802 Enforcement Responsible Agency: State **Enforcement Docket Number:** Not reported **Enforcement Attorney:** Not reported

Corrective Action Component: No

Appeal Initiated Date: Not reported

Map ID MAP FINDINGS Direction

Distance

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

## PAUL WISSMACH GLASS COMPANY INC (Continued)

1024896389

Appeal Resolution Date: Not reported Disposition Status Date: Not reported **Disposition Status:** Not reported Disposition Status Description: Not reported

Consent/Final Order Sequence NumberNot reported

Consent/Final Order Respondent Name: Not reported Consent/Final Order Lead Agency: Not reported **Enforcement Type:** INITIAL 3008(A) COMPLIANCE Enforcement Responsible Person: **WVJWB** Enforcement Responsible Sub-Organization: EE-HW

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: Yes Agency Which Determined Violation: State

Violation Short Description: State Statute or Regulation

Date Violation was Determined: 20180522 Actual Return to Compliance Date: 20200805 Return to Compliance Qualifier: Documented Violation Responsible Agency: State Scheduled Compliance Date: Not reported Enforcement Identifier: 001 Date of Enforcement Action: 20190802 Enforcement Responsible Agency: State **Enforcement Docket Number:** Not reported **Enforcement Attorney:** Not reported Corrective Action Component: No

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 NumberNot reported

Consent/Final Order Respondent Name: Not reported Consent/Final Order Lead Agency: Not reported **Enforcement Type:** INITIAL 3008(A) **COMPLIANCE** Enforcement Responsible Person: **WVJWB** Enforcement Responsible Sub-Organization: EE-HW

SEP Sequence Number: Not reported

MAP FINDINGS Map ID Direction

Distance Elevation Site

Database(s)

20180522

Not reported

Not reported

#### PAUL WISSMACH GLASS COMPANY INC (Continued)

1024896389

**EDR ID Number** 

**EPA ID Number** 

Paid Amount: Not reported Final Count: Not reported Final Amount: Not reported

Found Violation: Yes Agency Which Determined Violation: State

Generators - General Violation Short Description:

Date Violation was Determined: Actual Return to Compliance Date: 20180723 Return to Compliance Qualifier: Documented Violation Responsible Agency: State Scheduled Compliance Date: Not reported **Enforcement Identifier:** 001 Date of Enforcement Action: 20180522 Enforcement Responsible Agency: State **Enforcement Docket Number:** Not reported

Corrective Action Component: No

Enforcement Attorney:

Appeal Initiated Date:

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 NumberNot reported

Consent/Final Order Respondent Name: Not reported Consent/Final Order Lead Agency: Not reported **Enforcement Type:** WRITTEN INFORMAL **Enforcement Responsible Person: WVJRF** Enforcement Responsible Sub-Organization: EE-HW

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: Yes Agency Which Determined Violation: State

Generators - General Violation Short Description:

Date Violation was Determined: 20180522 Actual Return to Compliance Date: 20180723 Return to Compliance Qualifier: Documented Violation Responsible Agency: State Scheduled Compliance Date: Not reported **Enforcement Identifier:** 001 Date of Enforcement Action: 20190802 Enforcement Responsible Agency: State **Enforcement Docket Number:** Not reported Not reported **Enforcement Attorney:** Corrective Action Component: No

Map ID MAP FINDINGS Direction

Distance Elevation

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

## PAUL WISSMACH GLASS COMPANY INC (Continued)

1024896389

**EDR ID Number** 

Appeal Resolution Date: Not reported Disposition Status Date: Not reported **Disposition Status:** Not reported Disposition Status Description: Not reported

Consent/Final Order Sequence NumberNot reported

Consent/Final Order Respondent Name: Not reported Consent/Final Order Lead Agency: Not reported **Enforcement Type:** INITIAL 3008(A) COMPLIANCE Enforcement Responsible Person: **WVJWB** Enforcement Responsible Sub-Organization: EE-HW

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: Yes Agency Which Determined Violation: State

Violation Short Description: State Statute or Regulation

Date Violation was Determined: 20180522 Actual Return to Compliance Date: 20200805 Return to Compliance Qualifier: Documented Violation Responsible Agency: State Scheduled Compliance Date: Not reported Enforcement Identifier: 001 Date of Enforcement Action: 20190622 Enforcement Responsible Agency: State **Enforcement Docket Number:** Not reported **Enforcement Attorney:** Not reported

Corrective Action Component: No

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 NumberNot reported

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

**Enforcement Type:** Not reported

Enforcement Responsible Person: **WVJMS** Enforcement Responsible Sub-Organization: EE-HW

SEP Sequence Number: Not reported

MAP FINDINGS Map ID Direction

Distance Elevation

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

Not reported

## PAUL WISSMACH GLASS COMPANY INC (Continued)

1024896389

**EDR ID Number** 

Paid Amount: Not reported Final Count: Not reported Final Amount: Not reported

Found Violation: Yes Agency Which Determined Violation: State

Generators - General Violation Short Description:

Date Violation was Determined: 20180522 Actual Return to Compliance Date: 20180723 Return to Compliance Qualifier: Documented Violation Responsible Agency: State Scheduled Compliance Date: Not reported Enforcement Identifier: 001 Date of Enforcement Action: 20190622 Enforcement Responsible Agency: State **Enforcement Docket Number:** Not reported

Corrective Action Component: No

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 NumberNot reported

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

**Enforcement Type:** Not reported

**Enforcement Responsible Person:** 

Enforcement Attorney:

**WVJMS** Enforcement Responsible Sub-Organization: EE-HW

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: Yes Agency Which Determined Violation: State

Generators - General Violation Short Description:

Date Violation was Determined: 20180522 Actual Return to Compliance Date: 20180723 Return to Compliance Qualifier: Documented Violation Responsible Agency: State Scheduled Compliance Date: Not reported Enforcement Identifier: 001 Date of Enforcement Action: 20180522 Enforcement Responsible Agency: State **Enforcement Docket Number:** Not reported Not reported **Enforcement Attorney:** 

Corrective Action Component: No

Appeal Initiated Date: Not reported

Direction Distance Elevation

on Site Database(s) EPA ID Number

## PAUL WISSMACH GLASS COMPANY INC (Continued)

1024896389

**EDR ID Number** 

Appeal Resolution Date:

Disposition Status Date:

Not reported

Not reported

Not reported

Not reported

Disposition Status:

Not reported

Not reported

Not reported

Consent/Final Order Sequence NumberNot reported

Consent/Final Order Respondent Name: Not reported Consent/Final Order Lead Agency: Not reported Enforcement Type: WRITTEN INFORMAL Enforcement Responsible Person: WVJRF Enforcement Responsible Sub-Organization: EE-HW

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: Yes
Agency Which Determined Violation: State

Violation Short Description: State Statute or Regulation

Date Violation was Determined: 20180522 Actual Return to Compliance Date: 20200805 Return to Compliance Qualifier: Documented Violation Responsible Agency: State Scheduled Compliance Date: Not reported Enforcement Identifier: 001 Date of Enforcement Action: 20180522 Enforcement Responsible Agency: State **Enforcement Docket Number:** Not reported **Enforcement Attorney:** Not reported

Corrective Action Component: No

Appeal Initiated Date:

Appeal Resolution Date:

Disposition Status Date:

Disposition Status:

Not reported

Consent/Final Order Sequence NumberNot reported

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

Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: WVJRF
Enforcement Responsible Sub-Organization: EE-HW

SEP Sequence Number: Not reported

Map ID MAP FINDINGS
Direction

Direction Distance Elevation

tion Site Database(s) EPA ID Number

## PAUL WISSMACH GLASS COMPANY INC (Continued)

1024896389

**EDR ID Number** 

Paid Amount: Not reported Final Count: Not reported Final Amount: Not reported Not reported Not reported

Found Violation: Yes
Agency Which Determined Violation: State

Violation Short Description: State Statute or Regulation

Date Violation was Determined:20180522Actual Return to Compliance Date:20200805Return to Compliance Qualifier:DocumentedViolation Responsible Agency:StateScheduled Compliance Date:Not reportedEnforcement Identifier:001Date of Enforcement Action:20190802

Date of Enforcement Action:

Enforcement Responsible Agency:

Enforcement Docket Number:

Enforcement Attorney:

Corrective Action Component:

20190802

State

Not reported

Not reported

No

Corrective Action Component:

Appeal Initiated Date:

Appeal Resolution Date:

Disposition Status Date:

Disposition Status:

Not reported

Consent/Final Order Sequence NumberNot reported

Consent/Final Order Respondent Name: Not reported Consent/Final Order Lead Agency: Not reported Enforcement Type: INITIAL 3008(A) COMPLIANCE Enforcement Responsible Person: WVJWB Enforcement Responsible Sub-Organization: EE-HW

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: Yes
Agency Which Determined Violation: State

Violation Short Description: State Statute or Regulation

Date Violation was Determined: 20180522 Actual Return to Compliance Date: 20200805 Return to Compliance Qualifier: Documented Violation Responsible Agency: State Scheduled Compliance Date: Not reported Enforcement Identifier: 001 Date of Enforcement Action: 20190622 Enforcement Responsible Agency: State **Enforcement Docket Number:** Not reported **Enforcement Attorney:** Not reported

Corrective Action Component: No

Appeal Initiated Date: Not reported

Map ID MAP FINDINGS
Direction

Distance
Elevation Site Database(s)

PAUL WISSMACH GLASS COMPANY INC (Continued)

1024896389

**EDR ID Number** 

**EPA ID Number** 

Appeal Resolution Date: Not reported Disposition Status Date: Not reported **Disposition Status:** Not reported Disposition Status Description: Not reported Consent/Final Order Sequence NumberNot reported Consent/Final Order Respondent Name: Not reported Consent/Final Order Lead Agency: Not reported **Enforcement Type:** Not reported Enforcement Responsible Person: **WVJMS** Enforcement Responsible Sub-Organization: EE-HW 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 Not reported **Enforcement Attorney:** 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 NumberNot 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

Not reported

Not reported

Not reported

Not reported

Not reported

SEP Defaulted Date:

SEP Type Description:

Final Monetary Amount:

Proposed Amount:

SEP Type:

Map ID MAP FINDINGS Direction

Distance Elevation

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

## PAUL WISSMACH GLASS COMPANY INC (Continued)

1024896389

**EDR ID Number** 

Paid Amount: Not reported Final Count: Not reported Final Amount: Not reported

Found Violation: Yes Agency Which Determined Violation: State

Violation Short Description: State Statute or Regulation

Date Violation was Determined: 20180522 Actual Return to Compliance Date: 20200805 Return to Compliance Qualifier: Documented Violation Responsible Agency: State Scheduled Compliance Date: Not reported Enforcement Identifier: 001 Date of Enforcement Action: 20190622

Enforcement Responsible Agency: State **Enforcement Docket Number:** Not reported Not reported **Enforcement Attorney:** Corrective Action Component: No

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 NumberNot reported

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

**Enforcement Type:** Not reported

**Enforcement Responsible Person: WVJMS** 

Enforcement Responsible Sub-Organization: EE-HW

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: Yes Agency Which Determined Violation: State

Violation Short Description: State Statute or Regulation

Date Violation was Determined: 20180522 Actual Return to Compliance Date: 20200805 Return to Compliance Qualifier: Documented Violation Responsible Agency: State Scheduled Compliance Date: Not reported Enforcement Identifier: 001 Date of Enforcement Action: 20180522 Enforcement Responsible Agency: State **Enforcement Docket Number:** Not reported **Enforcement Attorney:** Not reported

Corrective Action Component: No

Appeal Initiated Date: Not reported Map ID MAP FINDINGS Direction

Distance Elevation

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

## PAUL WISSMACH GLASS COMPANY INC (Continued)

1024896389

**EDR ID Number** 

Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported

Consent/Final Order Sequence NumberNot reported

Consent/Final Order Respondent Name: Not reported Consent/Final Order Lead Agency: Not reported **Enforcement Type:** WRITTEN INFORMAL Enforcement Responsible Person: **WVJRF** Enforcement Responsible Sub-Organization: EE-HW

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 NumberNot 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

Distance Elevation S

Site Database(s) EPA ID Number

## PAUL WISSMACH GLASS COMPANY INC (Continued)

1024896389

**EDR ID Number** 

Paid Amount:

Final Count:

Not reported

Not reported

Not reported

Not reported

Not reported

Found Violation: Yes
Agency Which Determined Violation: State

Violation Short Description:Generators - GeneralDate Violation was Determined:20180522

Actual Return to Compliance Date: 20180723 Return to Compliance Qualifier: Documented Violation Responsible Agency: State Scheduled Compliance Date: Not reported Enforcement Identifier: 001 Date of Enforcement Action: 20190802 Enforcement Responsible Agency: State **Enforcement Docket Number:** Not reported Not reported **Enforcement Attorney:** 

Corrective Action Component: No

Appeal Initiated Date:

Appeal Resolution Date:

Disposition Status Date:

Disposition Status:

Not reported

Consent/Final Order Sequence NumberNot reported

Consent/Final Order Respondent Name: Not reported Consent/Final Order Lead Agency: Not reported Enforcement Type: INITIAL 3008(A) COMPLIANCE Enforcement Responsible Person: WVJWB Enforcement Responsible Sub-Organization: EE-HW

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 Not reported Final Count: Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State

Violation Short Description: Generators - General

Date Violation was Determined: 20180522 Actual Return to Compliance Date: 20180723 Return to Compliance Qualifier: Documented Violation Responsible Agency: State Scheduled Compliance Date: Not reported Enforcement Identifier: 001 Date of Enforcement Action: 20190622 Enforcement Responsible Agency: State **Enforcement Docket Number:** Not reported **Enforcement Attorney:** Not reported

Corrective Action Component: No

Appeal Initiated Date: Not reported

Map ID MAP FINDINGS
Direction

Distance Elevation

Site Database(s) EPA ID Number

## PAUL WISSMACH GLASS COMPANY INC (Continued)

1024896389

**EDR ID Number** 

Appeal Resolution Date:

Disposition Status Date:

Disposition Status:

Disposition Status:

Not reported

Not reported

Not reported

Not reported

Not reported

Consent/Final Order Sequence NumberNot reported

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

Enforcement Type: Not reported

Enforcement Responsible Person: WVJMS Enforcement Responsible Sub-Organization: EE-HW

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: Yes
Agency Which Determined Violation: State

Violation Short Description: State Statute or Regulation

Date Violation was Determined: 20180522 Actual Return to Compliance Date: 20200805 Return to Compliance Qualifier: Documented Violation Responsible Agency: State Scheduled Compliance Date: Not reported Enforcement Identifier: 001 Date of Enforcement Action: 20180522 Enforcement Responsible Agency: State **Enforcement Docket Number:** Not reported **Enforcement Attorney:** Not reported

Corrective Action Component: No

Appeal Initiated Date:

Appeal Resolution Date:

Disposition Status Date:

Disposition Status:

Not reported

Consent/Final Order Sequence NumberNot reported

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

Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: WVJRF
Enforcement Responsible Sub-Organization: EE-HW

SEP Sequence Number: Not reported

Map ID MAP FINDINGS Direction

Distance Elevation

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

Not reported

## PAUL WISSMACH GLASS COMPANY INC (Continued)

Paid Amount:

1024896389

**EDR ID Number** 

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 Not reported **Disposition Status:** Disposition Status Description: Not reported

Consent/Final Order Sequence NumberNot reported

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

**Enforcement Type:** Not reported

**Enforcement Responsible Person:** 

Appeal Initiated Date:

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: Yes Agency Which Determined Violation: State

Generators - General Violation Short Description:

Date Violation was Determined: 20180522 Actual Return to Compliance Date: 20180723 Return to Compliance Qualifier: Documented Violation Responsible Agency: State Scheduled Compliance Date: Not reported Enforcement Identifier: 001 Date of Enforcement Action: 20190622 Enforcement Responsible Agency: State **Enforcement Docket Number:** Not reported **Enforcement Attorney:** Not reported Corrective Action Component: No

Not reported

Direction Distance Elevation

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

Not reported

## PAUL WISSMACH GLASS COMPANY INC (Continued)

1024896389

**EDR ID Number** 

Appeal Resolution Date: Not reported Disposition Status Date: Not reported **Disposition Status:** Not reported Not reported Disposition Status Description:

Consent/Final Order Sequence NumberNot reported

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

**Enforcement Type:** Not reported

Enforcement Responsible Person: **WVJMS** Enforcement Responsible Sub-Organization: EE-HW

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:

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 **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 Not reported **Disposition Status:** Disposition Status Description: Not reported

Consent/Final Order Sequence NumberNot 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

Direction Distance Elevation

Site Database(s) EPA ID Number

Not reported

## PAUL WISSMACH GLASS COMPANY INC (Continued)

1024896389

**EDR ID Number** 

Paid Amount:

Final Count:

Not reported

Not reported

Not reported

Not reported

Not reported

Found Violation: Yes
Agency Which Determined Violation: State

Violation Short Description: State Statute or Regulation

Date Violation was Determined: 20180522 Actual Return to Compliance Date: 20200805 Return to Compliance Qualifier: Documented Violation Responsible Agency: State Not reported Scheduled Compliance Date: Enforcement Identifier: 001 Date of Enforcement Action: 20180522 Enforcement Responsible Agency: State **Enforcement Docket Number:** Not reported

Corrective Action Component: No

Appeal Initiated Date:

Appeal Resolution Date:

Disposition Status Date:

Disposition Status:

Not reported

Consent/Final Order Sequence NumberNot reported

**Enforcement Attorney:** 

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

Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: WVJRF
Enforcement Responsible Sub-Organization: EE-HW

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

Direction Distance

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

#### PAUL WISSMACH GLASS COMPANY INC (Continued)

1024896389

Appeal Resolution Date: Not reported Disposition Status Date: Not reported **Disposition Status:** Not reported Not reported Disposition Status Description:

Consent/Final Order Sequence NumberNot 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

Found Violation: Yes Agency Which Determined Violation: State

Violation Short Description: Generators - General

Date Violation was Determined: 20180522 Actual Return to Compliance Date: 20180723 Return to Compliance Qualifier: Documented Violation Responsible Agency: State Scheduled Compliance Date: Not reported Enforcement Identifier: 001 Date of Enforcement Action: 20190802 Enforcement Responsible Agency: State **Enforcement Docket Number:** Not reported **Enforcement Attorney:** Not reported Corrective Action Component: No

Appeal Initiated Date: Not reported Appeal Resolution Date: Not reported Not reported Disposition Status Date: **Disposition Status:** Not reported Disposition Status Description: Not reported

Consent/Final Order Sequence NumberNot reported

Consent/Final Order Respondent Name: Not reported Consent/Final Order Lead Agency: Not reported INITIAL 3008(A) COMPLIANCE **Enforcement Type:** Enforcement Responsible Person: **WVJWB** 

Enforcement Responsible Sub-Organization: EE-HW

SEP Sequence Number: Not reported

Distance Elevation Site

vation Site Database(s) EPA ID Number

## PAUL WISSMACH GLASS COMPANY INC (Continued)

1024896389

**EDR ID Number** 

Paid Amount:

Final Count:

Not reported

Not reported

Not reported

Not reported

Not reported

**Evaluation Action Summary:** 

Evaluation Date: 20180522
Evaluation Responsible Agency: State
Found Violation: Yes

Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE

Evaluation Responsible Person Identifier: **WVJRF** Evaluation Responsible Sub-Organization: EE-HW Actual Return to Compliance Date: 20180723 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: 20190912
Evaluation Responsible Agency: State
Found Violation: Yes

Evaluation Type Description: FOLLOW-UP INSPECTION

Evaluation Responsible Person Identifier: WVTTL Evaluation Responsible Sub-Organization: EE-HW Actual Return to Compliance Date: 20200805 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: 20180522
Evaluation Responsible Agency: State
Found Violation: Yes

Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION

Evaluation Responsible Person Identifier: WVJRF Evaluation Responsible Sub-Organization: EE-HW 20200805 Actual Return to Compliance Date: 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: 20181227
Evaluation Responsible Agency: State
Found Violation: Yes

Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION

Evaluation Responsible Person Identifier: **WVTTL** Evaluation Responsible Sub-Organization: EE-HW Actual Return to Compliance Date: 20200805 Scheduled Compliance Date: Not reported Date of Request: Not reported Date Response Received: Not reported Request Agency: Not reported Former Citation: Not reported

Distance Elevation

EDR ID Number
on Site Database(s) EPA ID Number

## PAUL WISSMACH GLASS COMPANY INC (Continued)

1024896389

Evaluation Date: 20200616
Evaluation Responsible Agency: State
Found Violation: Yes

Evaluation Type Description: FOLLOW-UP INSPECTION

Evaluation Responsible Person Identifier: **WVTTL** Evaluation Responsible Sub-Organization: EE-HW Actual Return to Compliance Date: 20200805 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: 20190912
Evaluation Responsible Agency: State
Found Violation: Yes

Evaluation Type Description: FOLLOW-UP INSPECTION

Evaluation Responsible Person Identifier: **WVTTL** Evaluation Responsible Sub-Organization: EE-HW Actual Return to Compliance Date: 20180723 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: 20180522
Evaluation Responsible Agency: State
Found Violation: Yes

Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE

Evaluation Responsible Person Identifier: **WVJRF** Evaluation Responsible Sub-Organization: EE-HW Actual Return to Compliance Date: 20180723 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: 20181227
Evaluation Responsible Agency: State
Found Violation: Yes

Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION

Evaluation Responsible Person Identifier: **WVTTL** Evaluation Responsible Sub-Organization: EE-HW 20200805 Actual Return to Compliance Date: 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: 20180522
Evaluation Responsible Agency: State
Found Violation: Yes

Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE

Evaluation Responsible Person Identifier: WVJRF

Direction Distance Elevation

on Site Database(s) EPA ID Number

## PAUL WISSMACH GLASS COMPANY INC (Continued)

1024896389

**EDR ID Number** 

Evaluation Responsible Sub-Organization:

Actual Return to Compliance Date:

Scheduled Compliance Date:

Date of Request:

Date Response Received:

Request Agency:

Former Citation:

EE-HW

20180723

Not reported

Not reported

Not reported

Not reported

Not reported

Evaluation Date: 20181227
Evaluation Responsible Agency: State
Found Violation: Yes

Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION

Evaluation Responsible Person Identifier: **WVTTL** Evaluation Responsible Sub-Organization: EE-HW Actual Return to Compliance Date: 20180723 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: 20200616
Evaluation Responsible Agency: State
Found Violation: Yes

Evaluation Type Description: FOLLOW-UP INSPECTION

Evaluation Responsible Person Identifier: **WVTTL** Evaluation Responsible Sub-Organization: EE-HW Actual Return to Compliance Date: 20200805 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: 20190912
Evaluation Responsible Agency: State
Found Violation: Yes

Evaluation Type Description: FOLLOW-UP INSPECTION

Evaluation Responsible Person Identifier: **WVTTL** Evaluation Responsible Sub-Organization: EE-HW Actual Return to Compliance Date: 20200805 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: 20200616
Evaluation Responsible Agency: State
Found Violation: Yes

Evaluation Type Description: FOLLOW-UP INSPECTION

Evaluation Responsible Person Identifier: WVTTL
Evaluation Responsible Sub-Organization: EE-HW
Actual Return to Compliance Date: 20200805
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported

MAP FINDINGS Map ID Direction

Distance

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

## PAUL WISSMACH GLASS COMPANY INC (Continued)

1024896389

Request Agency: Not reported Former Citation: Not reported

**Evaluation Date:** 20180622 Evaluation Responsible Agency: State Found Violation: No

Evaluation Type Description: SIGNIFICANT NON-COMPLIER

Evaluation Responsible Person Identifier: **WVJMS** Evaluation Responsible Sub-Organization: EE-HW 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:** 20180522 Evaluation Responsible Agency: State Found Violation:

**Evaluation Type Description:** FOCUSED COMPLIANCE INSPECTION

Evaluation Responsible Person Identifier: **WVJRF** Evaluation Responsible Sub-Organization: EE-HW Actual Return to Compliance Date: 20200805 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:** 20180522 Evaluation Responsible Agency: State Found Violation: Yes

**Evaluation Type Description:** FOCUSED COMPLIANCE INSPECTION

Evaluation Responsible Person Identifier: **WVJRF** Evaluation Responsible Sub-Organization: EE-HW Actual Return to Compliance Date: 20200805 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:** 20200317 Evaluation Responsible Agency: State Found Violation: No

FOCUSED COMPLIANCE INSPECTION **Evaluation Type Description:** 

Evaluation Responsible Person Identifier: **WVTTL** EE-HW Evaluation Responsible Sub-Organization: Actual Return to Compliance Date: Not reported Scheduled Compliance Date: Not reported Date of Request: Not reported Date Response Received: Not reported Not reported Request Agency: Former Citation: Not reported

**Evaluation Date:** 20190912 Evaluation Responsible Agency: State

Direction Distance Elevation

EDR ID Number tion Site Database(s) EPA ID Number

#### PAUL WISSMACH GLASS COMPANY INC (Continued)

1024896389

Found Violation: Yes

Evaluation Type Description: FOLLOW-UP INSPECTION

Evaluation Responsible Person Identifier: WVTTL Evaluation Responsible Sub-Organization: EE-HW Actual Return to Compliance Date: 20180723 Not reported Scheduled Compliance Date: Not reported Date of Request: Date Response Received: Not reported Request Agency: Not reported Former Citation: Not reported

Evaluation Date: 20190912
Evaluation Responsible Agency: State
Found Violation: Yes

Evaluation Type Description: FOLLOW-UP INSPECTION

Evaluation Responsible Person Identifier: W//TTI Evaluation Responsible Sub-Organization: EE-HW Actual Return to Compliance Date: 20180723 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: 20190912
Evaluation Responsible Agency: State
Found Violation: Yes

Evaluation Type Description: FOLLOW-UP INSPECTION

Evaluation Responsible Person Identifier: **WVTTL** EE-HW Evaluation Responsible Sub-Organization: Actual Return to Compliance Date: 20200805 Scheduled Compliance Date: Not reported Date of Request: Not reported Not reported Date Response Received: Request Agency: Not reported Former Citation: Not reported

Evaluation Date: 19911113
Evaluation Responsible Agency: State
Found Violation: No

Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION

Evaluation Responsible Person Identifier: Not reported Evaluation Responsible Sub-Organization: EE-HW 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: 20181227
Evaluation Responsible Agency: State
Found Violation: Yes

Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION

Evaluation Responsible Person Identifier: WVTTL
Evaluation Responsible Sub-Organization: EE-HW
Actual Return to Compliance Date: 20180723

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

## PAUL WISSMACH GLASS COMPANY INC (Continued)

1024896389

Scheduled Compliance Date:

Date of Request:

Date Response Received:

Request Agency:

Former Citation:

Not reported

Not reported

Not reported

Not reported

Evaluation Date: 20200131
Evaluation Responsible Agency: State
Found Violation: No

Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION

Evaluation Responsible Person Identifier: **WVTTL** Evaluation Responsible Sub-Organization: Not reported 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: 20181227
Evaluation Responsible Agency: State
Found Violation: Yes

Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION

Evaluation Responsible Person Identifier: **WVTTL** Evaluation Responsible Sub-Organization: EE-HW Actual Return to Compliance Date: 20200805 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: 20191015
Evaluation Responsible Agency: State
Found Violation: No

Evaluation Type Description: NOT A SIGNIFICANT NON-COMPLIER

Evaluation Responsible Person Identifier: **WVJMS** Evaluation Responsible Sub-Organization: EE-HW 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 Not reported Former Citation:

Evaluation Date: 20181227
Evaluation Responsible Agency: State
Found Violation: Yes

Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION

Evaluation Responsible Person Identifier: **WVTTL** Evaluation Responsible Sub-Organization: EE-HW Actual Return to Compliance Date: 20180723 Scheduled Compliance Date: Not reported Date of Request: Not reported Date Response Received: Not reported Request Agency: Not reported Former Citation: Not reported

MAP FINDINGS Map ID

Direction Distance

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

W H OR G M FERREBEE (\*SJ/CAP) **WV LUST WV UST** 

SSE 106 S 4TH ST

1/4-1/2 PADEN CITY, WV 26159

0.280 mi. 1478 ft.

Relative: LUST:

Higher W H OR G M FERREBEE (\*SJ/CAP) Name:

Address: 106 S 4TH ST Actual:

City,State,Zip: PADEN CITY, WV 26159 661 ft.

Facility ID: 5204521 Leak Number: 96-162

QUAKER ST OIL REF COR STERLING O Responsible Party:

Confirmed Release Date: 12/06/1996 Cleanup Initiated Date: 12/05/1996 Cleanup Complete Date: 12/04/2015 EDR Link ID: 5-204521

UST:

Name: W H OR G M FERREBEE (\*SJ/CAP)

Address: 106 S 4TH ST PADEN CITY City: 5204521 Facility ID:

QUAKER ST OIL REF COR STERLING O Owner:

Owner Address: 225 E JOHN CARPENTER FWY

Owner Address 2: Not reported **IRVING, TX 75062** Owner City, St, Zip: Owner Telephone: (972) 868-0400

Tank ID:

Tank Status: **Permanently Out of Service** 

Gasoline Tank Substance: Tank Capacity: 4000 Date Last Used: 12/05/1996 Date Closed: 12/06/1996

Closure Status: Tank removed from ground

Tank Material: Steel

Piping Material: **Unprotected Steel** 

Overfill Installed: No Installed Spill Protection: No Cathodic Protection Method: No Compartment:

Recorded Date: Not reported Latitude: Not reported Longitude: Not reported

Tank ID: -2

Tank Status: **Permanently Out of Service** 

Tank Substance: Gasoline 4000 Tank Capacity: 12/05/1996 Date Last Used: Date Closed: 12/06/1996

Closure Status: Tank removed from ground

Tank Material: Steel

Piping Material: **Unprotected Steel** 

Overfill Installed: No Installed Spill Protection: No Cathodic Protection Method: No

U003771954

N/A

MAP FINDINGS Map ID

Direction Distance

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

## W H OR G M FERREBEE (\*SJ/CAP) (Continued)

U003771954

**WV LUST** 

**WV UST** 

U003771990

N/A

Compartment:

Not reported Recorded Date: Not reported Latitude: Longitude: Not reported

Tank ID:

Tank Status: **Permanently Out of Service** 

Tank Substance: Gasoline Tank Capacity: 4000 12/05/1996 Date Last Used: 12/06/1996 Date Closed:

Closure Status: Tank removed from ground

Tank Material:

Piping Material: **Unprotected Steel** 

Overfill Installed: No Installed Spill Protection: No Cathodic Protection Method: No Compartment:

Recorded Date: Not reported Latitude: Not reported Longitude: Not reported

PADEN PLACE 6

SE **122 N 4TH AVE** 1/4-1/2 PADEN CITY, WV 26159

0.287 mi. 1513 ft.

Relative: LUST:

Higher Name: PADEN PLACE Address: 122 N 4TH AVE Actual:

City,State,Zip: PADEN CITY, WV 26159 661 ft.

Facility ID: 5205763 Leak Number: 09-055

Responsible Party: SHRAMOWIAT, MICHAEL

Confirmed Release Date: 08/14/2009 08/14/2009 Cleanup Initiated Date: Cleanup Complete Date: Not reported EDR Link ID: 5-205763

UST:

PADEN PLACE Name: Address: 122 N 4TH AVE City: PADEN CITY Facility ID: 5205763

Owner: SHRAMOWIAT, MICHAEL

Owner Address: 1158 46TH ST Owner Address 2: Not reported Owner City, St, Zip: **VIENNA, WV 26105** Owner Telephone: (304) 834-6157

Tank ID:

Tank Status: **Permanently Out of Service** 

Tank Substance: Gasoline Tank Capacity: 4000 Date Last Used: 08/15/1989

Direction Distance

Elevation Site Database(s) EPA ID Number

**PADEN PLACE (Continued)** 

U003771990

**EDR ID Number** 

Date Closed: 08/15/1989

Closure Status: Tank removed from ground

Tank Material: Steel

Piping Material: Unprotected Steel

Overfill Installed: No
Installed Spill Protection: No
Cathodic Protection Method: No
Compartment: 1

Recorded Date: Not reported Latitude: Not reported Longitude: Not reported Not reported

Tank ID: -1

Tank Status: Permanently Out of Service

Tank Substance: Used Oil
Tank Capacity: 2000
Date Last Used: 09/01/1994
Date Closed: 12/06/1994

Closure Status: Tank removed from ground

Tank Material: Steel

Piping Material: Unprotected Steel

Overfill Installed: No
Installed Spill Protection: No
Cathodic Protection Method: No
Compartment: 1

Recorded Date: Not reported Latitude: Not reported Longitude: Not reported

Tank ID: -2

Tank Status: Permanently Out of Service

Tank Substance: Gasoline
Tank Capacity: 8000
Date Last Used: 08/18/2004
Date Closed: 07/28/2009

Closure Status: Tank removed from ground

Tank Material: Steel

Piping Material: Unprotected Steel

Overfill Installed: Yes Installed Spill Protection: Yes Cathodic Protection Method: Yes Compartment: 1

Recorded Date: Not reported Latitude: Not reported Longitude: Not reported

Tank ID: -3

Tank Status: Permanently Out of Service

Tank Substance: Gasoline
Tank Capacity: 8000
Date Last Used: 08/18/2004
Date Closed: 07/28/2009

Closure Status: Tank removed from ground

Tank Material: Steel

Direction Distance

Distance Elevation Site EDR ID Number

EDR ID Number

EPA ID Number

PADEN PLACE (Continued) U003771990

Piping Material: Unprotected Steel

Overfill Installed: Yes
Installed Spill Protection: Yes
Cathodic Protection Method: Yes
Compartment: 1

Recorded Date: Not reported Latitude: Not reported Longitude: Not reported

Tank ID: -4

Tank Status: Permanently Out of Service

Tank Substance: Gasoline
Tank Capacity: 3000
Date Last Used: 08/18/2004
Date Closed: 07/28/2009

Closure Status: Tank removed from ground

Tank Material: Steel

Piping Material: Fiberglass Reinforced Plastic

Overfill Installed: Yes
Installed Spill Protection: Yes
Cathodic Protection Method: Yes
Compartment: 1

Recorded Date: Not reported Latitude: Not reported Longitude: Not reported

7 FORMER CORNING PLANT US BROWNFIELDS 1025991734 SSW 330 S. 1ST AVE FINDS N/A

SSW 330 S. 1ST AVE 1/4-1/2 PADEN CITY, WV 26159

0.328 mi. 1733 ft.

Relative: US BROWNFIELDS:

HigherName:FORMER CORNING PLANTActual:Address:330 S. 1ST AVE

644 ft. City, State, Zip: PADEN CITY, WV 26159

Recipient Name: R3 TBA - West Virginia (STAG Funded)

Grant Type: TBA

Property Number: 08-0001-0004-0000 and 08-0001-0006-0000

 Parcel size:
 8.6

 Latitude:
 39.602872

 Longitude:
 -80.940642

HCM Label: Map Scale: Point of Reference: -

Highlights: Former Use: The Site is located on the southwest side of Paden City

adjacent to the east channel of the Ohio River and consists of four

large buildings currently used as rental storage.

Datum: -

Acres Property ID: 240431
IC Data Access: Start Date: Redev Completition Date: Completed Date: Acres Cleaned Up: Cleanup Funding: Cleanup Funding Source: -

MAP FINDINGS Map ID Direction

Distance Elevation

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

## **FORMER CORNING PLANT (Continued)**

1025991734

**EDR ID Number** 

Assessment Funding: Assessment Funding Source: Redevelopment Funding: Redev. Funding Source: Redev. Funding Entity Name: Redevelopment Start Date: Assessment Funding Entity: Cleanup Funding Entity:

Grant Type: Hazardous & Petroleum

Accomplishment Type: Accomplishment Count: Cooperative Agreement Number: n/a Start Date: Ownership Entity: Completion Date:

Paden City Development Authority

Current Owner: Did Owner Change: Ν Cleanup Required: Υ Video Available: Photo Available: Institutional Controls Required: U IC Category Proprietary Controls: IC Cat. Info. Devices: IC Cat. Gov. Controls: IC Cat. Enforcement Permit Tools: IC in place date: IC in place: State/tribal program date: State/tribal program ID: State/tribal NFA date: Air cleaned: Asbestos found: Asbestos cleaned: Controled substance found: Controled substance cleaned: Drinking water affected: Drinking water cleaned: Groundwater affected: Groundwater cleaned: Lead contaminant found: Lead cleaned up: No media affected: Unknown media affected: Other cleaned up: Other metals found: Other metals cleaned: Other contaminants found: Other contams found description:

PAHs found: PAHs cleaned up: PCBs found: PCBs cleaned up: Petro products found: Petro products cleaned: Sediments found:

Sediments cleaned: Soil affected:

Distance Elevation

tion Site Database(s) EPA ID Number

## FORMER CORNING PLANT (Continued)

1025991734

**EDR ID Number** 

Soil cleaned up: Surface water cleaned: VOCs found: VOCs cleaned: Cleanup other description: Num. of cleanup and re-dev. jobs: Past use greenspace acreage: Past use residential acreage: Surface Water: Past use commercial acreage: Past use industrial acreage: 8.6 Future use greenspace acreage: Future use residential acreage: Future use commercial acreage: Future use industrial acreage: 8.6 Superfund Fed. landowner flag: Arsenic cleaned up: Cadmium cleaned up: Chromium cleaned up: Copper cleaned up: Iron cleaned up: mercury cleaned up: Nickel Cleaned Up: No clean up: Pesticides cleaned up: Selenium cleaned up: SVOCs cleaned up: Unknown clean up: Arsenic contaminant found: Cadmium contaminant found: Chromium contaminant found: Copper contaminant found: Iron contaminant found: Mercury contaminant found: Nickel contaminant found: No contaminant found: Pesticides contaminant found: Selenium contaminant found: SVOCs contaminant found: Unknown contaminant found: Future Use: Multistory Media affected Bluiding Material: Media affected indoor air: Building material media cleaned up: Indoor air media cleaned up: Unknown media cleaned up:

Property Description: The Site is located on the southwest side of Paden City adjacent to

the east channel of the Ohio River and consists of four large

buildings currently used as rental storage.

Below Poverty Number: 271
Below Poverty Percent: 18.42
Meidan Income: 9284
Meidan Income Number: 560
Meidan Income Percent: 38.07
Vacant Housing Number: 114
Vacant Housing Percent: 14.89

Past Use: Multistory

Direction Distance

Elevation Site Database(s) EPA ID Number

## FORMER CORNING PLANT (Continued)

1025991734

**EDR ID Number** 

Unemployed Number: 60 Unemployed Percent: 4.08

Name: FORMER CORNING PLANT

Address: 330 S. 1ST AVE

City, State, Zip: PADEN CITY, WV 26159

Recipient Name: R3 TBA - West Virginia (STAG Funded)

Grant Type: TBA

Property Number: 08-0001-0004-0000 and 08-0001-0006-0000

 Parcel size:
 8.6

 Latitude:
 39.602872

 Longitude:
 -80.940642

HCM Label: Map Scale: Point of Reference: -

Highlights: Former Use: The Site is located on the southwest side of Paden City

adjacent to the east channel of the Ohio River and consists of four

large buildings currently used as rental storage.

Datum: -

240431 Acres Property ID: IC Data Access: Start Date: Redev Completition Date: Completed Date: Acres Cleaned Up: Cleanup Funding: Cleanup Funding Source: Assessment Funding: 51880 Assessment Funding Source: **EPA** Redevelopment Funding: Redev. Funding Source: Redev. Funding Entity Name:

Assessment Funding Entity: US EPA - TBA Funding

Cleanup Funding Entity:

Redevelopment Start Date:

Grant Type: Hazardous & Petroleum

Accomplishment Type: Phase II Environmental Assessment

Accomplishment Count: N
Cooperative Agreement Number: n/a
Start Date: 8/7/2019
Ownership Entity: -

Completion Date: 2/28/2020

Current Owner: Paden City Development Authority

Did Owner Change:
Cleanup Required:
Y
Video Available:
Photo Available:
Institutional Controls Required:
U
IC Category Proprietary Controls:
IC Cat. Info. Devices:
IC Cat. Gov. Controls:
IC Cat. Enforcement Permit Tools:
IC in place date:
IC in place:
State/tribal program date:

State/tribal program date: State/tribal program ID: State/tribal NFA date: -

Distance Elevation Site

Site Database(s)

FORMER CORNING PLANT (Continued)

1025991734

**EDR ID Number** 

**EPA ID Number** 

Air cleaned: Asbestos found: Asbestos cleaned: Controled substance found: Controled substance cleaned: Drinking water affected: Drinking water cleaned: Groundwater affected: Groundwater cleaned: Lead contaminant found: Lead cleaned up: No media affected: Unknown media affected: Other cleaned up: Other metals found: Other metals cleaned: Other contaminants found: Other contams found description: PAHs found: PAHs cleaned up: PCBs found: PCBs cleaned up: Petro products found: Petro products cleaned: Sediments found: Sediments cleaned: Soil affected: Soil cleaned up: Surface water cleaned: VOCs found: VOCs cleaned: Cleanup other description: Num. of cleanup and re-dev. jobs: Past use greenspace acreage: Past use residential acreage: Surface Water: Past use commercial acreage: Past use industrial acreage: 8.6 Future use greenspace acreage: Future use residential acreage: Future use commercial acreage: Future use industrial acreage: 8.6 Superfund Fed. landowner flag: Arsenic cleaned up: Cadmium cleaned up: Chromium cleaned up: Copper cleaned up: Iron cleaned up: mercury cleaned up: Nickel Cleaned Up: No clean up: Pesticides cleaned up: Selenium cleaned up: SVOCs cleaned up: Unknown clean up: Arsenic contaminant found:

Cadmium contaminant found:

MAP FINDINGS Map ID

Direction Distance

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

## **FORMER CORNING PLANT (Continued)**

1025991734

Chromium contaminant found: Copper contaminant found: Iron contaminant found: Mercury contaminant found: Nickel contaminant found: No contaminant found: Pesticides contaminant found: Selenium contaminant found: SVOCs contaminant found: Unknown contaminant found: Future Use: Multistory Media affected Bluiding Material: Media affected indoor air: Building material media cleaned up: Indoor air media cleaned up: Unknown media cleaned up: Past Use: Multistory

Property Description: The Site is located on the southwest side of Paden City adjacent to

the east channel of the Ohio River and consists of four large

buildings currently used as rental storage.

Below Poverty Number: 271 Below Poverty Percent: 18.42 Meidan Income: 9284 Meidan Income Number: 560 Meidan Income Percent: 38.07 Vacant Housing Number: 114 Vacant Housing Percent: 14.89 **Unemployed Number:** 60 **Unemployed Percent:** 4.08

FORMER CORNING PLANT Name:

Address: 330 S. 1ST AVE

City, State, Zip: PADEN CITY, WV 26159

Recipient Name: R3 TBA - West Virginia (STAG Funded)

Grant Type: **TBA** 

Property Number: 08-0001-0004-0000 and 08-0001-0006-0000

Parcel size: 8.6 Latitude: 39.602872 Longitude: -80.940642

HCM Label: Map Scale: Point of Reference:

Highlights: Former Use: The Site is located on the southwest side of Paden City

adjacent to the east channel of the Ohio River and consists of four

large buildings currently used as rental storage.

Datum:

Acres Property ID: 240431 IC Data Access: Start Date: Redev Completition Date: Completed Date: Acres Cleaned Up:

Cleanup Funding:

Cleanup Funding Source: 12886 Assessment Funding: Assessment Funding Source: **EPA** Redevelopment Funding:

MAP FINDINGS Map ID

Direction Distance Elevation

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

## FORMER CORNING PLANT (Continued)

1025991734

**EDR ID Number** 

Redev. Funding Source: Redev. Funding Entity Name:

Redevelopment Start Date: Assessment Funding Entity: US EPA - TBA Funding

Cleanup Funding Entity:

Grant Type: Hazardous & Petroleum

Accomplishment Type: Phase I Environmental Assessment

Accomplishment Count: Cooperative Agreement Number: n/a Start Date: 3/22/2019

Ownership Entity:

Completion Date: 8/7/2019

Paden City Development Authority

Current Owner: Did Owner Change: Cleanup Required: Video Available: Photo Available: Institutional Controls Required: U IC Category Proprietary Controls: IC Cat. Info. Devices: IC Cat. Gov. Controls: IC Cat. Enforcement Permit Tools: IC in place date: IC in place: State/tribal program date: State/tribal program ID: State/tribal NFA date: Air cleaned: Asbestos found: Asbestos cleaned: Controled substance found: Controled substance cleaned: Drinking water affected: Drinking water cleaned: Groundwater affected: Groundwater cleaned:

No media affected: Unknown media affected: Other cleaned up: Other metals found: Other metals cleaned: Other contaminants found: Other contams found description: PAHs found: PAHs cleaned up: PCBs found: PCBs cleaned up:

Lead contaminant found: Lead cleaned up:

Petro products found:

Petro products cleaned: Sediments found: Sediments cleaned: Soil affected: Soil cleaned up:

Surface water cleaned: VOCs found:

Map ID MAP FINDINGS

Distance Elevation

Site EDR ID Number

EDR ID Number

EPA ID Number

## FORMER CORNING PLANT (Continued)

1025991734

VOCs cleaned: Cleanup other description: Num. of cleanup and re-dev. jobs: Past use greenspace acreage: Past use residential acreage: Surface Water: Past use commercial acreage: Past use industrial acreage: 8.6 Future use greenspace acreage: Future use residential acreage: Future use commercial acreage: Future use industrial acreage: 8.6 Superfund Fed. landowner flag: Arsenic cleaned up: Cadmium cleaned up: Chromium cleaned up: Copper cleaned up: Iron cleaned up: mercury cleaned up: Nickel Cleaned Up: No clean up: Pesticides cleaned up: Selenium cleaned up: SVOCs cleaned up: Unknown clean up: Arsenic contaminant found: Cadmium contaminant found: Chromium contaminant found: Copper contaminant found: Iron contaminant found: Mercury contaminant found: Nickel contaminant found: No contaminant found: Pesticides contaminant found: Selenium contaminant found: SVOCs contaminant found: Unknown contaminant found: Future Use: Multistory Media affected Bluiding Material: Media affected indoor air: Building material media cleaned up: Indoor air media cleaned up: Unknown media cleaned up: Past Use: Multistory

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Map ID MAP FINDINGS

Direction Distance

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

## FORMER CORNING PLANT (Continued)

1025991734

FINDS:

Registry ID: 110070605120

Click Here for FRS Facility Detail Report: Environmental Interest/Information System:

US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES)

is an federal online database for Brownfields Grantees to

electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access

additional FINDS: detail in the EDR Site Report.

8 PADEN CITY GROUNDWATER NPL 1026109658
ESE 223 NORTH 4TH AVENUE SEMS WVN000304985
1/4-1/2 PADEN CITY, WV 26159

1/4-1/2 0.338 mi. 1785 ft.

Relative: NPL:

Higher EPA Region:

Actual: EPA ID: WVN000304985

**660 ft.** Site ID: 304985

Name: PADEN CITY GROUNDWATER
Address: 223 NORTH 4TH AVENUE
City, State, Zip: PADEN CITY, WV 26159

Federal: N

Final Date: 2022-03-16 00:00:00

Latitude: 39.60614
Longitude: -80.930248
Site Score: Not reported
NAI: Not reported

Native American Entity: Not reported

Narr:

Site Name: Paden City Groundwater
Site EPA ID: WVN000304985
Listing Date: 3/16/2022
Site Score: 50
Federal Facility Indicator: No

Site List URL: https://semspub.epa.gov/src/document/11/402024

Site Progress URL: https://cumulis.epa.gov/supercpad/cursites/csitinfo.cfm?id=0304985 Federal Register URL: http://www.gpo.gov/fdsys/pkg/FR-2022-03-16/pdf/2022-05397.pdf

Site Location URL: https://epa.maps.arcgis.com/apps/webappviewer/index.html?id=33cebcdfdd1b4c3a8b51d416956c41f1&query=Site Location URL:

SEMS:

Site ID: 0304985 EPA ID: WVN00304985

Name: PADEN CITY GROUNDWATER
Address: 223 NORTH 4TH AVENUE

Address 2: Not reported

City, State, Zip: PADEN CITY, WV 26159

 Cong District:
 01

 FIPS Code:
 54103

 Latitude:
 +39.606140

 Longitude:
 -80.930248

FF: N

MAP FINDINGS Map ID

Direction Distance

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

## PADEN CITY GROUNDWATER (Continued)

1026109658

NPL: Currently on the Final NPL

Non NPL Status: Not reported

SEMS Detail:

Region: 03 0304985 Site ID: EPA ID: WVN000304985

Site Name: PADEN CITY GROUNDWATER

NPL: FF: Ν OU: 00 Action Code: DS **DISCVRY** Action Name:

SEQ:

Start Date: 2019-08-16 05:00:00 Finish Date: 2019-08-16 05:00:00 Not reported Qual: **Current Action Lead:** EPA Perf In-Hse

Region: 03 Site ID: 0304985 EPA ID: WVN000304985

PADEN CITY GROUNDWATER Site Name:

NPL: FF: Ν OU: 00 Action Code: NP

Action Name: **PROPOSED** 

SEQ:

Start Date: 2021-09-09 05:00:00 2021-09-09 05:00:00 Finish Date: Qual: Not reported **Current Action Lead: EPA Perf** 

Region: 03 Site ID: 0304985 EPA ID: WVN000304985

Site Name: PADEN CITY GROUNDWATER

NPL: FF: Ν OU: 00 Action Code: HX

Action Name: PRE-CERC

SEQ:

Start Date: 2020-02-27 06:00:00 2020-02-27 06:00:00 Finish Date:

Qual: SI Current Action Lead: **EPA Perf** 

Region: 03 Site ID: 0304985 EPA ID: WVN000304985

PADEN CITY GROUNDWATER Site Name:

NPL: FF: Ν OU: 00 Action Code: PΑ Action Name: PΑ Map ID MAP FINDINGS

Direction Distance

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

## PADEN CITY GROUNDWATER (Continued)

1026109658

SEQ:

2020-02-27 06:00:00 Start Date: Finish Date: 2020-03-06 06:00:00

Qual: **Current Action Lead: EPA Perf** 

03 Region: Site ID: 0304985 EPA ID: WVN000304985

Site Name: PADEN CITY GROUNDWATER

NPL: FF: Ν OU: 00 Action Code: SI Action Name: SI SEQ:

2020-03-06 06:00:00 Start Date: Finish Date: 2021-02-22 06:00:00

Qual:

Current Action Lead: **EPA Perf** 

03 Region: Site ID: 0304985 EPA ID: WVN000304985

Site Name: PADEN CITY GROUNDWATER

NPL: FF: Ν OU: 00 Action Code: HR Action Name: HAZRANK

SEQ:

Start Date: 2021-02-22 06:00:00 Finish Date: 2021-09-09 05:00:00

Qual: **EPA Perf** Current Action Lead:

Region: 03 0304985 Site ID: WVN000304985 EPA ID:

PADEN CITY GROUNDWATER Site Name:

NPL: FF: Ν OU: 01 Action Code: CO Action Name: RI/FS SEQ:

2022-06-30 05:00:00 Start Date: Finish Date: Not reported Not reported Qual:

EPA Perf **Current Action Lead:** 

Region: 03 0304985 Site ID: EPA ID: WVN000304985

Site Name: PADEN CITY GROUNDWATER

NPL: FF: Ν Map ID MAP FINDINGS

Direction Distance

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

PADEN CITY GROUNDWATER (Continued)

1026109658

**WV LUST** 

**WV UST** 

U003771625

N/A

 OU:
 00

 Action Code:
 NF

 Action Name:
 NPL FINL

SEQ:

 Start Date:
 2022-03-16 05:00:00

 Finish Date:
 2022-03-16 05:00:00

 Qual:
 Not reported

 Current Action Lead:
 EPA Perf

 Region:
 03

 Site ID:
 0304985

 EPA ID:
 WVN000304985

Site Name: PADEN CITY GROUNDWATER

 NPL:
 F

 FF:
 N

 OU:
 00

 Action Code:
 RS

Action Name: RV ASSESS

SEQ:

 Start Date:
 2018-03-01 05:00:00

 Finish Date:
 2021-10-22 05:00:00

 Qual:
 Not reported

Current Action Lead: EPA Perf

B9 FORMER CHEVRON #205942

South 320 S 4TH ST 1/4-1/2 PADEN CITY, WV 26159

0.381 mi.

2013 ft. Site 1 of 2 in cluster B

Relative: LUST:

HigherName:FORMER CHEVRON #205942Actual:Address:320 S 4TH ST

659 ft. City,State,Zip: PADEN CITY, WV 26159 Facility ID: 4807605

Facility ID: 480760 Leak Number: 98-064

Responsible Party: CHEVRON U.S.A. PRODUCTS

Confirmed Release Date: 07/21/1998
Cleanup Initiated Date: 07/21/1998
Cleanup Complete Date: 09/28/1998
EDR Link ID: 4-807605

UST:

Name: FORMER CHEVRON #205942

 Address:
 320 S 4TH ST

 City:
 PADEN CITY

 Facility ID:
 4807605

Owner: CHEVRON U.S.A. PRODUCTS
Owner Address: 2300 WINDY RIDGE DR STE 800

Owner Address 2: Not reported
Owner City,St,Zip: MARIETTA, GA 30067
Owner Telephone: (770) 984-3098

Tank ID:

Tank Status: Permanently Out of Service

Tank Substance: Gasoline

Map ID MAP FINDINGS

Direction Distance

Elevation Site Database(s) EPA ID Number

## FORMER CHEVRON #205942 (Continued)

 Tank Capacity:
 4000

 Date Last Used:
 07/21/1998

 Date Closed:
 07/21/1998

Closure Status: Tank removed from ground

Tank Material: Steel

Piping Material: Unprotected Steel

Overfill Installed: No
Installed Spill Protection: No
Cathodic Protection Method: No
Compartment: 1

Recorded Date: Not reported Latitude: Not reported Longitude: Not reported

Tank ID: -2

Tank Status: Permanently Out of Service

Tank Substance: Gasoline
Tank Capacity: 4000
Date Last Used: 07/22/1998
Date Closed: 07/22/1998

Closure Status: Tank removed from ground

Tank Material: Steel

Piping Material: Unprotected Steel

Overfill Installed: No Installed Spill Protection: No Cathodic Protection Method: No Compartment: 1

Recorded Date: Not reported Latitude: Not reported Longitude: Not reported

Tank ID: -3

Tank Status: Permanently Out of Service

Tank Substance: Gasoline
Tank Capacity: 1000
Date Last Used: 07/22/1998
Date Closed: 07/22/1998

Closure Status: Tank removed from ground

Tank Material: Steel

Piping Material: Unprotected Steel

Overfill Installed: No Installed Spill Protection: No Cathodic Protection Method: No Compartment: 1

Recorded Date: Not reported Latitude: Not reported Longitude: Not reported

Tank ID: -4

Tank Status: Permanently Out of Service

Tank Substance: Gasoline
Tank Capacity: 1000
Date Last Used: 07/22/1998
Date Closed: 07/22/1998

**EDR ID Number** 

U003771625

MAP FINDINGS Map ID

Direction Distance

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

FORMER CHEVRON #205942 (Continued)

U003771625

N/A

Closure Status: Tank removed from ground

Tank Material: Steel

Piping Material: **Unprotected Steel** 

Overfill Installed: No Installed Spill Protection: No Cathodic Protection Method: No Compartment:

Recorded Date: Not reported Latitude: Not reported Longitude: Not reported

WV BROWNFIELDS \$128891300 10 PADEN CITY INDUSTRIAL PARK **435 SOUTH FIRST AVENUE** SW

1/4-1/2 0.408 mi.

2154 ft. Relative: **BROWNFIELDS:** 

PADEN CITY, WV 26159

Higher PADEN CITY INDUSTRIAL PARK Facility Name: Address: 435 SOUTH FIRST AVENUE Actual: City,State,Zip: PADEN CITY, WV 26159 640 ft.

Comments: Not reported Total Acres: 8.69

39.603049 / 80.941094 Lat/Long:

Zoning: Not reported Site ID: Not reported Railroad Onsite: Not reported Physical Location: Not reported Nearest Airport: Not reported Nearest River: Not reported Gas Utility: Not reported Electric Utility: Not reported Water Utility: Not reported Sewage Utility: Not reported Parcel Info: Not reported Not reported Assessments:

B11 **CERTIFIED OIL CO WV LUST** U003771621 South **400 S 4TH AVE WV UST** N/A

1/4-1/2 PADEN CITY, WV 26159

0.416 mi.

2198 ft. Site 2 of 2 in cluster B

Relative: LUST:

Higher CERTIFIED OIL CO Name: Address: 400 S 4TH AVE Actual: City,State,Zip: PADEN CITY, WV 26159 660 ft.

Facility ID: 4807518 Leak Number: 93-301

Responsible Party: CERTIFIED OIL CORPORATION

Confirmed Release Date: 08/18/1993 Cleanup Initiated Date: 08/18/1993 Cleanup Complete Date: 02/14/1996 EDR Link ID: 4-807518

Map ID MAP FINDINGS

Direction Distance

Elevation Site Database(s) EPA ID Number

## **CERTIFIED OIL CO (Continued)**

U003771621

**EDR ID Number** 

UST:

 Name:
 CERTIFIED OIL CO

 Address:
 400 S 4TH AVE

 City:
 PADEN CITY

 Facility ID:
 4807518

Owner: CERTIFIED OIL CORPORATION

Owner Address: 949 KING AVE
Owner Address 2: Not reported

Owner City, St, Zip: COLUMBUS, OH 43212 2662

Owner Telephone: (614) 421-7500

Tank ID: -

Tank Status: Permanently Out of Service

Tank Substance: Not Listed
Tank Capacity: 111
Date Last Used: 12/04/1983
Date Closed: 08/18/1993

Closure Status: Tank removed from ground

Tank Material: Not Listed Piping Material: Not Listed Overfill Installed: No Installed Spill Protection: No Cathodic Protection Method: No Compartment: 1

Recorded Date: Not reported Latitude: Not reported Longitude: Not reported

Tank ID: -2

Tank Status: Permanently Out of Service

Tank Substance: Not Listed
Tank Capacity: 111
Date Last Used: 12/04/1983
Date Closed: 08/18/1993

Closure Status: Tank removed from ground

Tank Material: Not Listed Piping Material: Not Listed Overfill Installed: No Installed Spill Protection: No Cathodic Protection Method: No Compartment: 1

Recorded Date: Not reported Latitude: Not reported Longitude: Not reported

Tank ID: -3

Tank Status: Permanently Out of Service

Tank Substance: Not Listed
Tank Capacity: 111
Date Last Used: 12/04/1983
Date Closed: 08/18/1993

Closure Status: Tank removed from ground

Tank Material: Not Listed Piping Material: Not Listed Overfill Installed: No

MAP FINDINGS Map ID

Direction Distance

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

**CERTIFIED OIL CO (Continued)** 

U003771621

Installed Spill Protection: No Cathodic Protection Method: No Compartment:

Recorded Date: Not reported Latitude: Not reported Not reported Longitude:

12 **PADEN CITY DUCHESS**  WV LUST U003771979 **WV UST** N/A

**East** 509 N 4TH ST

PADEN CITY, WV 26159 1/4-1/2

0.453 mi. 2392 ft.

Relative: LUST:

Higher PADEN CITY DUCHESS Name:

Address: 509 N 4TH ST Actual:

City, State, Zip: PADEN CITY, WV 26159 662 ft.

Facility ID: 5205784 Leak Number: 99-053

ENGLEFIELD, INC. Responsible Party:

Confirmed Release Date: 03/16/1999 Cleanup Initiated Date: 03/16/1999 Cleanup Complete Date: 07/16/1999 EDR Link ID: 5-205784

UST:

PADEN CITY DUCHESS Name:

Address: 509 N 4TH ST PADEN CITY City: Facility ID: 5205784

Owner: ENGLEFIELD, INC. Owner Address: 447 JAMES PKY Owner Address 2: Not reported Owner City, St, Zip: NEWARK, OH 43056 Owner Telephone: (740) 928-8215

Tank ID: -1

Tank Status: **Permanently Out of Service** 

Tank Substance: Gasoline Tank Capacity: 10000 Date Last Used: 09/01/1998 09/01/1998 Date Closed:

Closure Status: Tank removed from ground

Tank Material: Steel

Piping Material: **Unprotected Steel** 

Overfill Installed: No Installed Spill Protection: No Cathodic Protection Method: No Compartment:

Recorded Date: Not reported Not reported Latitude: Longitude: Not reported

Tank ID:

Tank Status: **Permanently Out of Service** 

Tank Substance: Gasoline Map ID MAP FINDINGS

Direction Distance

Elevation Site Database(s) EPA ID Number

## PADEN CITY DUCHESS (Continued)

U003771979

**EDR ID Number** 

 Tank Capacity:
 10000

 Date Last Used:
 09/01/1998

 Date Closed:
 09/01/1998

Closure Status: Tank removed from ground

Tank Material: Steel

Piping Material: Unprotected Steel

Overfill Installed: No
Installed Spill Protection: No
Cathodic Protection Method: No
Compartment: 1

Recorded Date: Not reported Latitude: Not reported Longitude: Not reported

Tank ID: -3

Tank Status: Permanently Out of Service

Tank Substance: Diesel
Tank Capacity: 10000
Date Last Used: 09/01/1998
Date Closed: 09/01/1998

Closure Status: Tank removed from ground

Tank Material: Steel

Piping Material: Unprotected Steel

Overfill Installed: No
Installed Spill Protection: No
Cathodic Protection Method: No
Compartment: 1

Recorded Date: Not reported Latitude: Not reported Longitude: Not reported

Count: 0 records. ORPHAN SUMMARY

City EDR ID Site Name Site Address Zip Database(s)

NO SITES FOUND

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: 10/27/2022 Source: EPA
Date Data Arrived at EDR: 11/01/2022 Telephone: N/A

Number of Days to Update: 14 Next Scheduled EDR Contact: 01/09/2023
Data Release Frequency: Quarterly

**NPL Site Boundaries** 

Sources

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: 10/27/2022 Source: EPA
Date Data Arrived at EDR: 11/01/2022 Telephone: N/A

Date Made Active in Reports: 11/15/2022 Last EDR Contact: 12/01/2022

Number of Days to Update: 14 Next Scheduled EDR Contact: 01/09/2023
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: 10/27/2022 Date Data Arrived at EDR: 11/01/2022 Date Made Active in Reports: 11/15/2022

Number of Days to Update: 14

Telephone: N/A Last EDR Contact: 12/01/2022

Next Scheduled EDR Contact: 01/09/2023 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: 08/25/2022 Date Data Arrived at EDR: 09/06/2022 Date Made Active in Reports: 12/05/2022

Number of Days to Update: 90

Source: Environmental Protection Agency Telephone: 703-603-8704

Last EDR Contact: 09/06/2022

Next Scheduled EDR Contact: 01/10/2023 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: 10/27/2022 Date Data Arrived at EDR: 11/01/2022 Date Made Active in Reports: 11/15/2022

Number of Days to Update: 14

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 12/01/2022

Next Scheduled EDR Contact: 01/23/2023 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: 10/27/2022 Date Data Arrived at EDR: 11/01/2022 Date Made Active in Reports: 11/15/2022

Number of Days to Update: 14

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 12/01/2022

Next Scheduled EDR Contact: 01/23/2023 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: 11/21/2022 Date Data Arrived at EDR: 11/21/2022 Date Made Active in Reports: 12/05/2022

Number of Days to Update: 14

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 11/21/2022

Next Scheduled EDR Contact: 01/02/2023 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: 11/21/2022 Date Data Arrived at EDR: 11/21/2022 Date Made Active in Reports: 12/05/2022

Number of Days to Update: 14

Source: Environmental Protection Agency

Telephone: 800-438-2474 Last EDR Contact: 11/21/2022

Next Scheduled EDR Contact: 01/02/2023 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: 11/21/2022 Date Data Arrived at EDR: 11/21/2022 Date Made Active in Reports: 12/05/2022

Number of Days to Update: 14

Source: Environmental Protection Agency

Telephone: 800-438-2474 Last EDR Contact: 11/21/2022

Next Scheduled EDR Contact: 01/02/2023 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: 11/21/2022 Date Data Arrived at EDR: 11/21/2022 Date Made Active in Reports: 12/05/2022

Number of Days to Update: 14

Source: Environmental Protection Agency

Telephone: 800-438-2474 Last EDR Contact: 11/21/2022

Next Scheduled EDR Contact: 01/02/2023 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: 11/21/2022 Date Data Arrived at EDR: 11/21/2022 Date Made Active in Reports: 12/05/2022

Number of Days to Update: 14

Source: Environmental Protection Agency

Telephone: 800-438-2474 Last EDR Contact: 11/21/2022

Next Scheduled EDR Contact: 01/02/2023 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: 08/16/2022 Date Data Arrived at EDR: 08/22/2022 Date Made Active in Reports: 10/24/2022

Number of Days to Update: 63

Source: Department of the Navy Telephone: 843-820-7326 Last EDR Contact: 11/01/2022

Next Scheduled EDR Contact: 02/20/2023 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: 08/15/2022 Date Data Arrived at EDR: 08/17/2022 Date Made Active in Reports: 10/24/2022

Number of Days to Update: 68

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 11/16/2022

Next Scheduled EDR Contact: 03/06/2023 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: 08/15/2022 Date Data Arrived at EDR: 08/17/2022 Date Made Active in Reports: 10/24/2022

Number of Days to Update: 68

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 11/16/2022

Next Scheduled EDR Contact: 03/06/2023

Data Release Frequency: Varies

#### 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: 06/14/2022 Date Data Arrived at EDR: 06/15/2022 Date Made Active in Reports: 06/21/2022

Number of Days to Update: 6

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180 Last EDR Contact: 09/20/2022

Next Scheduled EDR Contact: 01/02/2023 Data Release Frequency: Quarterly

#### Lists of state- and tribal hazardous waste facilities

WV SHWS: This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL 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: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A

Number of Days to Update: N/A

Source: Department of Environmental Protection

Telephone: 304-926-0455 Last EDR Contact: 11/09/2022

Next Scheduled EDR Contact: 02/27/2023

Data Release Frequency: N/A

OH SHWS: This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL 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: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A

Number of Days to Update: N/A

Source: Ohio EPA Telephone: 614-644-2924 Last EDR Contact: 10/27/2022

Next Scheduled EDR Contact: 02/16/2023

Data Release Frequency: N/A

#### Lists of state and tribal landfills and solid waste disposal facilities

WV SWF/LF: List of M.S.W. Landfills/Transfer Station Listing

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: 03/21/2022 Date Data Arrived at EDR: 03/22/2022 Date Made Active in Reports: 06/15/2022

Number of Days to Update: 85

Source: Division of Environmental Protection

Telephone: 304-926-0499 Last EDR Contact: 09/13/2022

Next Scheduled EDR Contact: 01/02/2023

Data Release Frequency: Varies

OH SWF/LF: Licensed Solid Waste Facilities

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: 06/27/2022 Date Data Arrived at EDR: 06/30/2022 Date Made Active in Reports: 09/16/2022

Number of Days to Update: 78

Source: Ohio Environmental Protection Agency

Telephone: 614-644-2621 Last EDR Contact: 09/28/2022

Next Scheduled EDR Contact: 01/16/2023 Data Release Frequency: Semi-Annually

WV LCP: Landfill Closure Program

The WV DEP's LCAP aids the owners/permittees of landfills that were required to cease operations because of certain statutory closure deadlines for non-composite lined facilities

Date of Government Version: 12/01/2021 Date Data Arrived at EDR: 02/28/2022 Date Made Active in Reports: 05/24/2022

Number of Days to Update: 85

Source: Department of Environmental Protection

Telephone: 304-926-0499 Last EDR Contact: 11/28/2022

Next Scheduled EDR Contact: 03/13/2023 Data Release Frequency: Annually

#### Lists of state and tribal leaking storage tanks

WV LAST: Leaking Aboveground Storage Tanks

A listing of leaking aboveground storage tank site locations.

Date of Government Version: 07/18/2022 Date Data Arrived at EDR: 07/19/2022 Date Made Active in Reports: 10/06/2022

Number of Days to Update: 79

Source: Department of Environmental Protection

Telephone: 304-926-0499 Last EDR Contact: 10/18/2022

Next Scheduled EDR Contact: 01/30/2023

Data Release Frequency: Varies

WV LUST: Leaking Underground Storage Tanks

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 08/22/2022 Date Data Arrived at EDR: 08/23/2022 Date Made Active in Reports: 11/14/2022

Number of Days to Update: 83

Source: Division of Environmental Protection

Telephone: 304-926-0455 Last EDR Contact: 11/17/2022

Next Scheduled EDR Contact: 03/06/2023 Data Release Frequency: Semi-Annually

OH LUST: Leaking Underground Storage Tank File

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 08/09/2022 Date Data Arrived at EDR: 08/10/2022 Date Made Active in Reports: 10/25/2022

Number of Days to Update: 76

Source: Department of Commerce Telephone: 614-752-8200 Last EDR Contact: 11/02/2022

Next Scheduled EDR Contact: 02/20/2023 Data Release Frequency: Quarterly

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/28/2022 Date Data Arrived at EDR: 06/13/2022 Date Made Active in Reports: 08/16/2022

Number of Days to Update: 64

Source: EPA Region 6 Telephone: 214-665-6597 Last EDR Contact: 12/06/2022

Next Scheduled EDR Contact: 01/30/2023 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: 04/11/2022 Date Data Arrived at EDR: 06/13/2022 Date Made Active in Reports: 08/16/2022

Number of Days to Update: 64

Source: EPA, Region 5 Telephone: 312-886-7439 Last EDR Contact: 12/06/2022

Next Scheduled EDR Contact: 01/30/2023

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: 04/20/2022 Date Data Arrived at EDR: 06/13/2022 Date Made Active in Reports: 08/16/2022

Number of Days to Update: 64

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 12/06/2022

Next Scheduled EDR Contact: 01/30/2023 Data Release Frequency: Varies

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: 04/08/2022 Date Data Arrived at EDR: 06/13/2022 Date Made Active in Reports: 08/16/2022

Number of Days to Update: 64

Source: Environmental Protection Agency

Telephone: 415-972-3372 Last EDR Contact: 12/06/2022

Next Scheduled EDR Contact: 01/30/2023 Data Release Frequency: Varies

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: 04/20/2022 Date Data Arrived at EDR: 06/13/2022 Date Made Active in Reports: 08/16/2022

Number of Days to Update: 64

Source: EPA Region 8 Telephone: 303-312-6271 Last EDR Contact: 12/06/2022

Next Scheduled EDR Contact: 01/30/2023 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: 04/14/2022 Date Data Arrived at EDR: 06/13/2022 Date Made Active in Reports: 08/16/2022

Number of Days to Update: 64

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 12/06/2022

Next Scheduled EDR Contact: 01/30/2023 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: 06/02/2022 Date Data Arrived at EDR: 06/13/2022 Date Made Active in Reports: 08/31/2022

Number of Days to Update: 79

Source: EPA Region 4 Telephone: 404-562-8677 Last EDR Contact: 12/06/2022

Next Scheduled EDR Contact: 01/30/2023 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: 04/28/2021 Date Data Arrived at EDR: 06/11/2021 Date Made Active in Reports: 09/07/2021

Number of Days to Update: 88

Source: EPA Region 1 Telephone: 617-918-1313 Last EDR Contact: 10/06/2022

Next Scheduled EDR Contact: 01/30/2023 Data Release Frequency: Varies

#### 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: 10/14/2021 Date Data Arrived at EDR: 11/05/2021 Date Made Active in Reports: 02/01/2022

Number of Days to Update: 88

Source: FEMA

Telephone: 202-646-5797 Last EDR Contact: 09/27/2022

Next Scheduled EDR Contact: 01/16/2023 Data Release Frequency: Varies

#### WV 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: 08/22/2022 Date Data Arrived at EDR: 08/23/2022 Date Made Active in Reports: 11/14/2022

Number of Days to Update: 83

Source: Division of Environmental Protection

Telephone: 304-926-0495 Last EDR Contact: 11/17/2022

Next Scheduled EDR Contact: 03/06/2023 Data Release Frequency: Annually

#### OH UST: Underground Storage Tank Tank File

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: 08/08/2022 Date Data Arrived at EDR: 08/09/2022 Date Made Active in Reports: 10/25/2022

Number of Days to Update: 77

Source: Department of Commerce Telephone: 614-752-8200 Last EDR Contact: 11/08/2022

Next Scheduled EDR Contact: 02/20/2023 Data Release Frequency: Quarterly

#### WV AST: Aboveground Storage Tanks

A listing of aboveground storage tank site locations.

Date of Government Version: 07/18/2022 Date Data Arrived at EDR: 07/19/2022 Date Made Active in Reports: 10/06/2022

Number of Days to Update: 79

Source: DEP

Telephone: 304-926-0499 Last EDR Contact: 10/18/2022

Next Scheduled EDR Contact: 01/30/2023 Data Release Frequency: Varies

#### OH AST: Above Ground Storage Tanks

A listing of aboveground storage tank site locations in the state.

Date of Government Version: 10/28/2021 Date Data Arrived at EDR: 10/28/2021 Date Made Active in Reports: 01/24/2022

Number of Days to Update: 88

Source: Department of Commerce Telephone: 614-752-7037 Last EDR Contact: 10/20/2022

Next Scheduled EDR Contact: 02/06/2023 Data Release Frequency: Quarterly

#### 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: 04/14/2022 Date Data Arrived at EDR: 06/13/2022 Date Made Active in Reports: 08/16/2022

Number of Days to Update: 64

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 12/06/2022

Next Scheduled EDR Contact: 01/30/2023 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: 04/20/2022 Date Data Arrived at EDR: 06/13/2022 Date Made Active in Reports: 08/16/2022

Number of Days to Update: 64

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 12/06/2022

Next Scheduled EDR Contact: 01/30/2023

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: 04/07/2022 Date Data Arrived at EDR: 06/13/2022 Date Made Active in Reports: 08/16/2022

Number of Days to Update: 64

Source: EPA, Region 1 Telephone: 617-918-1313 Last EDR Contact: 12/06/2022

Next Scheduled EDR Contact: 01/30/2023 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: 04/28/2022 Date Data Arrived at EDR: 06/13/2022 Date Made Active in Reports: 08/16/2022

Number of Days to Update: 64

Source: EPA Region 6 Telephone: 214-665-7591 Last EDR Contact: 12/06/2022

Next Scheduled EDR Contact: 01/30/2023 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: 04/20/2022 Date Data Arrived at EDR: 06/13/2022 Date Made Active in Reports: 08/16/2022

Number of Days to Update: 64

Source: EPA Region 8 Telephone: 303-312-6137 Last EDR Contact: 12/06/2022

Next Scheduled EDR Contact: 01/30/2023 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: 06/02/2022 Date Data Arrived at EDR: 06/13/2022 Date Made Active in Reports: 08/31/2022

Number of Days to Update: 79

Source: EPA Region 4 Telephone: 404-562-9424 Last EDR Contact: 12/06/2022

Next Scheduled EDR Contact: 01/30/2023 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: 04/11/2022 Date Data Arrived at EDR: 06/13/2022 Date Made Active in Reports: 08/16/2022

Number of Days to Update: 64

Source: EPA Region 5 Telephone: 312-886-6136 Last EDR Contact: 12/06/2022

Next Scheduled EDR Contact: 01/30/2023

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: 04/08/2022 Date Data Arrived at EDR: 06/13/2022 Date Made Active in Reports: 08/16/2022

Number of Days to Update: 64

Source: EPA Region 9 Telephone: 415-972-3368 Last EDR Contact: 12/06/2022

Next Scheduled EDR Contact: 01/30/2023 Data Release Frequency: Varies

### State and tribal institutional control / engineering control registries

WV INST CONTROL: Sites with Institutional Controls
Sites that have institutional controls in place.

Date of Government Version: 04/01/2022 Date Data Arrived at EDR: 05/19/2022 Date Made Active in Reports: 08/09/2022

Number of Days to Update: 82

Source: Department of Environmental Protection

Telephone: 304-558-2508 Last EDR Contact: 11/14/2022

Next Scheduled EDR Contact: 02/27/2023 Data Release Frequency: Varies

OH INST CONTROL: Sites with Institutional Engineering Controls A database that tracks properties with institutional controls.

Date of Government Version: 07/19/2022 Date Data Arrived at EDR: 08/02/2022 Date Made Active in Reports: 10/14/2022

Number of Days to Update: 73

Source: Ohio Environmental Protection Agency

Telephone: 614-644-2306 Last EDR Contact: 10/31/2022

Next Scheduled EDR Contact: 02/16/2023 Data Release Frequency: Semi-Annually

### Lists of state and tribal voluntary cleanup sites

WV VCP: Voluntary Remediation Sites

Sites involved in the Voluntary Remediation Program.

Date of Government Version: 04/01/2022 Date Data Arrived at EDR: 05/19/2022 Date Made Active in Reports: 08/09/2022

Number of Days to Update: 82

Source: Department of Environmental Protection

Telephone: 304-558-2745 Last EDR Contact: 11/14/2022

Next Scheduled EDR Contact: 02/27/2023 Data Release Frequency: Semi-Annually

OH VCP: Voluntary Action Program Sites
Site involved in the Voluntary Action Program.

Date of Government Version: 07/19/2022 Date Data Arrived at EDR: 08/02/2022 Date Made Active in Reports: 10/17/2022

Number of Days to Update: 76

Source: Ohio EPA, Voluntary Action Program

Telephone: 614-728-1298 Last EDR Contact: 10/31/2022

Next Scheduled EDR Contact: 02/16/2023 Data Release Frequency: Semi-Annually

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: 09/13/2022

Next Scheduled EDR Contact: 01/02/2023 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

#### OH BROWNFIELDS: Ohio Brownfield Inventory

A statewide brownfields inventory. A brownfield is an abandoned, idled or under-used industrial or commercial property where expansion or redevelopment is complicated by known or potential releases of hazardous substances and/or petroleum.

Date of Government Version: 09/06/2022 Date Data Arrived at EDR: 09/06/2022 Date Made Active in Reports: 11/21/2022

Number of Days to Update: 76

Source: Ohio EPA Telephone: 614-644-3748 Last EDR Contact: 12/05/2022

Next Scheduled EDR Contact: 03/20/2023 Data Release Frequency: Quarterly

#### WV BROWNFIELDS: Brownfields Sites Listing

Brownfields are abandoned, idle or underused commercial or industrial properties, where the expansion or redevelopment is hindered by real or perceived contamination. Brownfields vary in size, location, age, and past use -- they can be anything from a five-hundred acre automobile assembly plant to a small, abandoned corner gas station.

Date of Government Version: 06/21/2022 Date Data Arrived at EDR: 07/26/2022 Date Made Active in Reports: 10/13/2022

Number of Days to Update: 79

Source: Department of Environmental Protection

Telephone: 304-926-0455 Last EDR Contact: 09/13/2022

Next Scheduled EDR Contact: 01/02/2023

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: 02/23/2022 Date Data Arrived at EDR: 03/10/2022 Date Made Active in Reports: 03/10/2022

Number of Days to Update: 0

Source: Environmental Protection Agency

Telephone: 202-566-2777 Last EDR Contact: 12/07/2022

Next Scheduled EDR Contact: 03/27/2023 Data Release Frequency: Semi-Annually

## Local Lists of Landfill / Solid Waste Disposal Sites

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: 10/20/2022

Next Scheduled EDR Contact: 02/06/2023 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: 10/11/2022

Next Scheduled EDR Contact: 01/30/2023 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: 10/28/2022

Next Scheduled EDR Contact: 02/06/2023

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: 07/29/2022 Date Data Arrived at EDR: 08/18/2022 Date Made Active in Reports: 10/24/2022

Number of Days to Update: 67

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 11/16/2022

Next Scheduled EDR Contact: 03/06/2023 Data Release Frequency: No Update Planned

WV CDL: Drug Lab Site Locations

A listing of clandestine drug lab site locations.

Date of Government Version: 03/04/2022 Date Data Arrived at EDR: 04/06/2022 Date Made Active in Reports: 07/05/2022

Number of Days to Update: 90

Source: Department of Environmental Protection

Telephone: 304-926-0499 Last EDR Contact: 10/06/2022

Next Scheduled EDR Contact: 01/16/2023

Data Release Frequency: Varies

OH CDL: Clandestine Drug Lab Locations

A list of clandestine drug lab sites with environmental impact. This list is extracted from the SPILLS database based on the "product" type.

Date of Government Version: 07/27/2022 Date Data Arrived at EDR: 08/02/2022 Date Made Active in Reports: 10/14/2022

Number of Days to Update: 73

Source: Ohio EPA Telephone: 614-644-2080 Last EDR Contact: 11/01/2022

Next Scheduled EDR Contact: 02/16/2023 Data Release Frequency: Semi-Annually

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: 07/29/2022 Date Data Arrived at EDR: 08/18/2022 Date Made Active in Reports: 10/24/2022

Number of Days to Update: 67

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 11/16/2022

Next Scheduled EDR Contact: 03/06/2023 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: 10/27/2022 Date Data Arrived at EDR: 11/01/2022 Date Made Active in Reports: 11/15/2022

Number of Days to Update: 14

Source: Environmental Protection Agency

Telephone: 202-564-6023 Last EDR Contact: 12/01/2022

Next Scheduled EDR Contact: 01/09/2023 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: 09/19/2022 Date Data Arrived at EDR: 09/19/2022 Date Made Active in Reports: 09/30/2022

Number of Days to Update: 11

Source: U.S. Department of Transportation

Telephone: 202-366-4555 Last EDR Contact: 09/19/2022

Next Scheduled EDR Contact: 01/02/2023 Data Release Frequency: Quarterly

WV SPILLS: Spills Listing

A listing of spills and releases reported to the Office of Emergency Services, they do not include any TRI information.

Date of Government Version: 08/23/2022 Date Data Arrived at EDR: 09/09/2022 Date Made Active in Reports: 11/30/2022

Number of Days to Update: 82

Source: Office of Emergency Services

Telephone: 304-558-5380 Last EDR Contact: 11/28/2022

Next Scheduled EDR Contact: 03/13/2023 Data Release Frequency: Varies

OH SPILLS: Emergency Response Database

Incidents reported to the Emergency Response Unit. The focus of the ER program is to minimize the impact on the environment from accidental releases, spills, and unauthorized discharges from any fixed or mobile sources. Incidents involving petroleum products, hazardous materials, hazardous waste, abandoned drums, or other materials which may pose as a pollution threat to the state?s water, land, or air should be reported immediately. Not all incidents included in the database are actual SPILLS, they can simply be reported incidents.

Date of Government Version: 07/27/2022 Date Data Arrived at EDR: 08/02/2022 Date Made Active in Reports: 10/14/2022

Number of Days to Update: 73

Source: Ohio EPA Telephone: 614-644-2084 Last EDR Contact: 11/01/2022

Next Scheduled EDR Contact: 02/16/2023 Data Release Frequency: Semi-Annually

#### 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: 11/21/2022 Date Data Arrived at EDR: 11/21/2022 Date Made Active in Reports: 12/05/2022

Number of Days to Update: 14

Source: Environmental Protection Agency

Telephone: 800-438-2474 Last EDR Contact: 11/21/2022

Next Scheduled EDR Contact: 01/02/2023 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: 08/11/2022 Date Data Arrived at EDR: 08/11/2022 Date Made Active in Reports: 09/30/2022

Number of Days to Update: 50

Source: U.S. Army Corps of Engineers

Telephone: 202-528-4285 Last EDR Contact: 11/10/2022

Next Scheduled EDR Contact: 02/27/2023 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: 10/13/2022

Next Scheduled EDR Contact: 01/23/2023

Data Release Frequency: Varies

### 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: 10/03/2022

Next Scheduled EDR Contact: 01/16/2023

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: 01/01/2017 Date Data Arrived at EDR: 02/03/2017 Date Made Active in Reports: 04/07/2017

Number of Days to Update: 63

Source: Environmental Protection Agency

Telephone: 615-532-8599 Last EDR Contact: 11/03/2022

Next Scheduled EDR Contact: 02/20/2023 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: 06/20/2022 Date Data Arrived at EDR: 06/21/2022 Date Made Active in Reports: 08/31/2022

Number of Days to Update: 71

Source: Environmental Protection Agency

Telephone: 202-566-1917 Last EDR Contact: 09/20/2022

Next Scheduled EDR Contact: 01/02/2023 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: 10/28/2022

Next Scheduled EDR Contact: 02/16/2023 Data Release Frequency: Quarterly

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: 10/28/2022

Next Scheduled EDR Contact: 02/16/2023 Data Release Frequency: Varies

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 site.

Date of Government Version: 12/31/2016 Date Data Arrived at EDR: 06/17/2020 Date Made Active in Reports: 09/10/2020

Number of Days to Update: 85

Source: EPA

Telephone: 202-260-5521 Last EDR Contact: 12/12/2022

Next Scheduled EDR Contact: 03/27/2023 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: 12/31/2018 Date Data Arrived at EDR: 08/14/2020 Date Made Active in Reports: 11/04/2020

Number of Days to Update: 82

Source: EPA

Telephone: 202-566-0250 Last EDR Contact: 11/01/2022

Next Scheduled EDR Contact: 02/27/2023 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: 07/18/2022 Date Data Arrived at EDR: 07/18/2022 Date Made Active in Reports: 07/29/2022

Number of Days to Update: 11

Source: EPA

Telephone: 202-564-4203 Last EDR Contact: 10/18/2022

Next Scheduled EDR Contact: 01/30/2023 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: 10/27/2022 Date Data Arrived at EDR: 11/01/2022 Date Made Active in Reports: 11/15/2022

Number of Days to Update: 14

Source: EPA

Telephone: 703-416-0223 Last EDR Contact: 12/01/2022

Next Scheduled EDR Contact: 03/13/2023 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: 04/27/2022 Date Data Arrived at EDR: 05/04/2022 Date Made Active in Reports: 05/10/2022

Number of Days to Update: 6

Source: Environmental Protection Agency

Telephone: 202-564-8600 Last EDR Contact: 10/27/2022

Next Scheduled EDR Contact: 01/30/2023 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: 10/27/2022 Date Data Arrived at EDR: 11/01/2022 Date Made Active in Reports: 11/15/2022

Number of Days to Update: 14

Source: EPA

Telephone: 202-564-6023 Last EDR Contact: 12/01/2022

Next Scheduled EDR Contact: 02/16/2023 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: 01/20/2022 Date Data Arrived at EDR: 01/20/2022 Date Made Active in Reports: 03/25/2022

Number of Days to Update: 64

Source: EPA

Telephone: 202-566-0500 Last EDR Contact: 10/06/2022

Next Scheduled EDR Contact: 01/16/2023 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: 09/27/2022

Next Scheduled EDR Contact: 01/16/2023 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: 10/26/2022 Date Data Arrived at EDR: 11/22/2022 Date Made Active in Reports: 12/05/2022

Number of Days to Update: 13

Source: Nuclear Regulatory Commission

Telephone: 301-415-7169 Last EDR Contact: 10/11/2022

Next Scheduled EDR Contact: 01/30/2023 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: 12/31/2020 Date Data Arrived at EDR: 11/30/2021 Date Made Active in Reports: 02/22/2022

Number of Days to Update: 84

Source: Department of Energy Telephone: 202-586-8719 Last EDR Contact: 11/29/2022

Next Scheduled EDR Contact: 03/13/2023 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: 11/23/2022

Next Scheduled EDR Contact: 03/13/2023 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: 11/03/2022

Next Scheduled EDR Contact: 02/13/2023 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: 09/21/2022

Next Scheduled EDR Contact: 01/10/2023 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

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: 10/24/2022

Next Scheduled EDR Contact: 02/06/2023 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: 06/30/2022 Date Data Arrived at EDR: 07/21/2022 Date Made Active in Reports: 09/30/2022

Number of Days to Update: 71

Source: Department of Justice, Consent Decree Library

Telephone: Varies

Last EDR Contact: 09/27/2022

Next Scheduled EDR Contact: 01/16/2023 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: 12/31/2019 Date Data Arrived at EDR: 03/02/2022 Date Made Active in Reports: 03/25/2022

Number of Days to Update: 23

Source: EPA/NTIS Telephone: 800-424-9346 Last EDR Contact: 11/21/2022

Next Scheduled EDR Contact: 01/02/2023 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: 10/06/2022

Next Scheduled EDR Contact: 01/16/2023 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: 07/26/2021 Date Data Arrived at EDR: 07/27/2021 Date Made Active in Reports: 10/22/2021

Number of Days to Update: 87

Source: Department of Energy Telephone: 202-586-3559 Last EDR Contact: 10/27/2022

Next Scheduled EDR Contact: 02/16/2023

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: 11/09/2022

Next Scheduled EDR Contact: 02/27/2023

Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 10/27/2022 Date Data Arrived at EDR: 11/01/2022 Date Made Active in Reports: 11/15/2022

Number of Days to Update: 14

Source: Environmental Protection Agency

Telephone: 703-603-8787 Last EDR Contact: 12/01/2022

Next Scheduled EDR Contact: 01/09/2023

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: 08/01/2022 Date Data Arrived at EDR: 08/02/2022 Date Made Active in Reports: 09/30/2022

Number of Days to Update: 59

Source: DOL, Mine Safety & Health Admi

Telephone: 202-693-9424 Last EDR Contact: 11/28/2022

Next Scheduled EDR Contact: 03/13/2023 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: 08/03/2022 Date Data Arrived at EDR: 08/17/2022 Date Made Active in Reports: 08/31/2022

Number of Days to Update: 14

Source: Department of Labor, Mine Safety and Health Administration

Telephone: 303-231-5959 Last EDR Contact: 11/17/2022

Next Scheduled EDR Contact: 03/06/2023 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: 05/06/2020 Date Data Arrived at EDR: 05/27/2020 Date Made Active in Reports: 08/13/2020

Number of Days to Update: 78

Source: USGS

Telephone: 703-648-7709 Last EDR Contact: 11/21/2022

Next Scheduled EDR Contact: 03/06/2023 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: 11/21/2022

Next Scheduled EDR Contact: 03/06/2023

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: 09/13/2022 Date Data Arrived at EDR: 09/14/2022 Date Made Active in Reports: 12/05/2022

Number of Days to Update: 82

Source: Department of Interior Telephone: 202-208-2609 Last EDR Contact: 11/30/2022

Next Scheduled EDR Contact: 03/20/2023 Data Release Frequency: Quarterly

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: 08/03/2022 Date Data Arrived at EDR: 08/25/2022 Date Made Active in Reports: 10/24/2022

Number of Days to Update: 60

Source: EPA Telephone: (215) 814-5000 Last EDR Contact: 11/29/2022

Next Scheduled EDR Contact: 03/13/2023 Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 06/25/2022 Date Data Arrived at EDR: 07/01/2022 Date Made Active in Reports: 09/30/2022

Number of Days to Update: 91

Source: Environmental Protection Agency

Telephone: 202-564-2280 Last EDR Contact: 09/30/2022

Next Scheduled EDR Contact: 01/16/2023 Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2020 Date Data Arrived at EDR: 01/11/2022 Date Made Active in Reports: 02/14/2022

Number of Days to Update: 34

Source: Department of Defense Telephone: 703-704-1564 Last EDR Contact: 10/05/2022

Next Scheduled EDR Contact: 01/23/2023 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: 11/15/2022

Next Scheduled EDR Contact: 03/06/2023 Data Release Frequency: Varies

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: 08/11/2022 Date Data Arrived at EDR: 08/11/2022 Date Made Active in Reports: 09/30/2022

Number of Days to Update: 50

Source: EPA

Telephone: 800-385-6164 Last EDR Contact: 11/10/2022

Next Scheduled EDR Contact: 02/27/2023 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: 02/23/2022 Date Data Arrived at EDR: 07/08/2022 Date Made Active in Reports: 11/08/2022

Number of Days to Update: 123

Source: Environmental Protection Agency

Telephone: 703-603-8895 Last EDR Contact: 10/04/2022

Next Scheduled EDR Contact: 01/16/2023 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: 02/23/2022 Date Data Arrived at EDR: 03/31/2022 Date Made Active in Reports: 11/08/2022

Number of Days to Update: 222

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 10/06/2022

Next Scheduled EDR Contact: 01/16/2023 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: 01/03/2022 Date Data Arrived at EDR: 03/31/2022 Date Made Active in Reports: 11/08/2022

Number of Days to Update: 222

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 10/04/2022

Next Scheduled EDR Contact: 01/16/2023 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: 01/03/2022 Date Data Arrived at EDR: 03/31/2022 Date Made Active in Reports: 11/08/2022

Number of Days to Update: 222

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 10/06/2022

Next Scheduled EDR Contact: 01/16/2023 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: 10/28/2022

Next Scheduled EDR Contact: 02/06/2023 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: 01/03/2022 Date Data Arrived at EDR: 03/31/2022 Date Made Active in Reports: 11/08/2022

Number of Days to Update: 222

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 10/06/2022

Next Scheduled EDR Contact: 01/16/2023 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.

Date of Government Version: 01/03/2022 Date Data Arrived at EDR: 03/31/2022 Date Made Active in Reports: 11/08/2022

Number of Days to Update: 222

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 10/06/2022

Next Scheduled EDR Contact: 01/16/2023 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: 01/03/2022 Date Data Arrived at EDR: 03/31/2022 Date Made Active in Reports: 11/08/2022

Number of Days to Update: 222

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 10/06/2022

Next Scheduled EDR Contact: 01/16/2023 Data Release Frequency: Varies

PFAS ECHO FIRE TRAINING: 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: 08/22/2018 Date Data Arrived at EDR: 03/31/2022 Date Made Active in Reports: 11/08/2022

Number of Days to Update: 222

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 10/06/2022

Next Scheduled EDR Contact: 01/16/2023

Data Release Frequency: Varies

PFAS PART 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: 08/22/2018 Date Data Arrived at EDR: 10/26/2022 Date Made Active in Reports: 11/08/2022

Number of Days to Update: 13

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 10/26/2022

Next Scheduled EDR Contact: 01/16/2023

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: 02/23/2022 Date Data Arrived at EDR: 03/31/2022 Date Made Active in Reports: 11/08/2022

Number of Days to Update: 222

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 10/06/2022

Next Scheduled EDR Contact: 01/16/2023 Data Release Frequency: Varies

### OH PFAS: PFOA & PFOS Site Listing

PFAS have been widely used in numerous industrial and residential applications since the 1950a??s. Their stability and unique chemical properties produce waterproof, stain resistant, and nonstick qualities in products. They are found in some firefighting foams and a wide range of consumer products such as carpet treatments, non-stick cookware, water-resistant fabrics, food packaging materials, and personal care products.

Date of Government Version: 03/05/2020 Date Data Arrived at EDR: 09/28/2021 Date Made Active in Reports: 12/23/2021

Number of Days to Update: 86

Source: Ohio EPA Telephone: 614-644-2752 Last EDR Contact: 12/07/2022

Next Scheduled EDR Contact: 03/27/2023 Data Release Frequency: Varies

### WV AIRS: Permitted Facility and Emissions Listing Permitted facility and emissions information listing.

Date of Government Version: 07/26/2022 Date Data Arrived at EDR: 08/03/2022 Date Made Active in Reports: 10/20/2022

Number of Days to Update: 78

Source: Department of Environmental Protection

Telephone: 304-926-0499 Last EDR Contact: 10/27/2022

Next Scheduled EDR Contact: 02/16/2023 Data Release Frequency: Varies

### OH AIRS: Title V Permits Listing

A listing of Title V Permits issued by the Division of Air Pollution Control. It is a federal operating permit program adopted and implemented by the state. The basic program elements typically specify that major sources will submit an operating application to the specified state environmental regulatory agency according to a schedule.

Date of Government Version: 09/12/2022 Date Data Arrived at EDR: 09/13/2022 Date Made Active in Reports: 11/30/2022

Number of Days to Update: 78

Source: Ohio EPA Telephone: 614-644-2270 Last EDR Contact: 12/07/2022

Next Scheduled EDR Contact: 03/27/2023 Data Release Frequency: Quarterly

### WV ASBESTOS: ASBESTOS

A listing of asbestos notification site locations.

Date of Government Version: 12/31/2021 Date Data Arrived at EDR: 02/09/2022 Date Made Active in Reports: 05/09/2022

Number of Days to Update: 89

Source: Department of Environmental Protection

Telephone: 304-926-0499 Last EDR Contact: 11/02/2022

Next Scheduled EDR Contact: 02/20/2023 Data Release Frequency: Varies

### OH ASBESTOS: Asbestos Notification Listing

A listing of notifications site locations with abatement and demolition dates.

Date of Government Version: 07/25/2022 Date Data Arrived at EDR: 07/26/2022 Date Made Active in Reports: 10/07/2022

Number of Days to Update: 73

Source: Ohio EPA Telephone: 614-466-3770 Last EDR Contact: 10/24/2022

Next Scheduled EDR Contact: 02/06/2023 Data Release Frequency: Varies

WV COAL ASH: Coal Ash Landills

A listing of coal ash landfill site locations.

Date of Government Version: 06/01/2022 Date Data Arrived at EDR: 07/08/2022 Date Made Active in Reports: 09/21/2022

Number of Days to Update: 75

Source: Department of Environmental Protection

Telephone: 304-926-0499 Last EDR Contact: 09/28/2022

Next Scheduled EDR Contact: 01/16/2023

Data Release Frequency: Varies

OH COAL ASH: Coal Ash Disposal Site Listing A listing of coal ash disposal site locations.

Date of Government Version: 04/13/2015 Date Data Arrived at EDR: 04/16/2015 Date Made Active in Reports: 05/29/2015

Number of Days to Update: 43

Source: Ohio EPA Telephone: 614-644-2134 Last EDR Contact: 09/28/2022

Next Scheduled EDR Contact: 01/16/2023

Data Release Frequency: Varies

WV DRYCLEANERS: Listing of Drycleaner Locations
A listing of drycleaners which use perchloroethylene.

Date of Government Version: 04/27/2022 Date Data Arrived at EDR: 05/26/2022 Date Made Active in Reports: 08/15/2022

Number of Days to Update: 81

Source: Department of Environmental Protection

Telephone: 304-926-0475 Last EDR Contact: 11/16/2022

Next Scheduled EDR Contact: 03/06/2023

Data Release Frequency: Varies

OH DRYCLEANERS: Drycleaner Facility Listing A listing of drycleaner facility locations.

Date of Government Version: 09/19/2022 Date Data Arrived at EDR: 09/21/2022 Date Made Active in Reports: 12/08/2022

Number of Days to Update: 78

Source: Ohio EPA Telephone: 614-644-3469 Last EDR Contact: 09/13/2022

Next Scheduled EDR Contact: 01/02/2023 Data Release Frequency: Semi-Annually

WV Financial Assurance: Financial Assurance Information Listing

A listing of 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: 11/27/2017 Date Data Arrived at EDR: 11/29/2017 Date Made Active in Reports: 12/21/2017

Number of Days to Update: 22

Source: Department of Environmental Protection

Telephone: 304-926-0499 Last EDR Contact: 11/16/2022

Next Scheduled EDR Contact: 03/06/2023 Data Release Frequency: Varies

OH Financial Assurance: Financial Assurance Information Listing

Financial assurance information.

Date of Government Version: 12/05/2017
Date Data Arrived at EDR: 12/08/2017
Date Made Active in Reports: 01/08/2018

Number of Days to Update: 31

Source: Ohio EPA Telephone: 614-644-2955 Last EDR Contact: 09/28/2022

Next Scheduled EDR Contact: 01/16/2023 Data Release Frequency: Semi-Annually

OH FINANCIAL ASSURANCE 3: Financial Assurance3 Information Listing

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: 07/01/2022 Date Data Arrived at EDR: 07/01/2022 Date Made Active in Reports: 07/08/2022

Number of Days to Update: 7

Source: Ohio EPA Telephone: 614-644-2621 Last EDR Contact: 09/28/2022

Next Scheduled EDR Contact: 01/16/2023 Data Release Frequency: Varies

WV MINES: MINES

Mines

Date of Government Version: 08/15/2022 Date Data Arrived at EDR: 08/15/2022 Date Made Active in Reports: 11/03/2022

Number of Days to Update: 80

Source: Department of Environmental Protection

Telephone: 304-926-0440 Last EDR Contact: 11/14/2022

Next Scheduled EDR Contact: 02/27/2023 Data Release Frequency: Varies

WV NPDES: Wastewater Discharge Permits Listing A listing of wastewater discharge permits.

Date of Government Version: 10/14/2021 Date Data Arrived at EDR: 10/14/2021 Date Made Active in Reports: 01/11/2022

Number of Days to Update: 89

Source: Department of Environmental Protection

Telephone: 304-926-0495 Last EDR Contact: 09/21/2022

Next Scheduled EDR Contact: 01/23/2023 Data Release Frequency: Varies

OH NPDES: NPDES General Permit List

General information regarding NPDES (National Pollutant Discharge Elimination System) permits.

Date of Government Version: 08/01/2022 Date Data Arrived at EDR: 08/02/2022 Date Made Active in Reports: 10/19/2022

Number of Days to Update: 78

Source: Ohio EPA Telephone: 614-644-2031 Last EDR Contact: 11/01/2022

Next Scheduled EDR Contact: 02/16/2023 Data Release Frequency: Quarterly

WV UIC: Underground Injection Wells

A listing of underground injection well locations.

Date of Government Version: 07/14/2022 Date Data Arrived at EDR: 07/14/2022 Date Made Active in Reports: 09/30/2022

Number of Days to Update: 78

Source: Department of Environmental Protection

Telephone: 304-926-0499 Last EDR Contact: 10/18/2022

Next Scheduled EDR Contact: 01/30/2023 Data Release Frequency: Semi-Annually

OH UIC: Underground Injection Wells Listing

A listing of underground injection well locations.

Date of Government Version: 07/26/2022 Date Data Arrived at EDR: 07/29/2022 Date Made Active in Reports: 10/17/2022

Number of Days to Update: 80

Source: Ohio EPA Telephone: 614-644-2752 Last EDR Contact: 10/27/2022

Next Scheduled EDR Contact: 02/16/2023 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: 09/28/2022

Next Scheduled EDR Contact: 01/16/2023 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

Date of Government Version: 07/14/2011 Date Data Arrived at EDR: 08/05/2011 Date Made Active in Reports: 09/29/2011

Number of Days to Update: 55

Source: EPA, Office of Water Telephone: 202-564-2496 Last EDR Contact: 09/28/2022

Next Scheduled EDR Contact: 01/16/2023 Data Release Frequency: Semi-Annually

PCS INACTIVE: Listing of Inactive PCS Permits

An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014 Date Data Arrived at EDR: 01/06/2015 Date Made Active in Reports: 05/06/2015

Number of Days to Update: 120

Source: EPA Telephone: 202-564-2496

Last EDR Contact: 09/28/2022

Next Scheduled EDR Contact: 01/16/2023 Data Release Frequency: Semi-Annually

MINES MRDS: Mineral Resources Data System

Mineral Resources Data System

Date of Government Version: 04/06/2018 Date Data Arrived at EDR: 10/21/2019 Date Made Active in Reports: 10/24/2019

Number of Days to Update: 3

Source: USGS

Telephone: 703-648-6533 Last EDR Contact: 11/22/2022

Next Scheduled EDR Contact: 03/06/2023

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

Next Scheduled EDR Contact: N/A Number of Days to Update: N/A Data Release Frequency: Varies

#### **EDR RECOVERED GOVERNMENT ARCHIVES**

#### Exclusive Recovered Govt. Archives

#### WV 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. Compiled from Records formerly available from the Division of Environmental Protection in West Virgina.

Date of Government Version: N/A Date Data Arrived at EDR: 07/01/2013 Date Made Active in Reports: 01/20/2014 Number of Days to Update: 203

Telephone: N/A Last EDR Contact: 06/01/2012

Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

#### OH 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. Compiled from Records formerly available from the Ohio Environmental Procetion Agency in Ohio.

Date of Government Version: N/A Date Data Arrived at EDR: 07/01/2013 Date Made Active in Reports: 01/13/2014 Number of Days to Update: 196

Source: Ohio Environmental Protection Agency

Source: Division of Environmental Protection

Telephone: N/A

Last EDR Contact: 06/01/2012 Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

### WV RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Division of Environmental Protection in West Virgina.

Date of Government Version: N/A Date Data Arrived at EDR: 07/01/2013 Date Made Active in Reports: 12/30/2013 Number of Days to Update: 182

Source: Division of Environmental Protection

Telephone: N/A

Last EDR Contact: 06/01/2012 Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

# OH RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Commerce in Ohio.

Date of Government Version: N/A Date Data Arrived at EDR: 07/01/2013 Date Made Active in Reports: 12/20/2013 Number of Days to Update: 172

Source: Department of Commerce

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.

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: 10/03/2022

Next Scheduled EDR Contact: 01/16/2023 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: 01/01/2019 Date Data Arrived at EDR: 10/29/2021 Date Made Active in Reports: 01/19/2022

Number of Days to Update: 82

Source: Department of Environmental Conservation

Telephone: 518-402-8651 Last EDR Contact: 10/28/2022

Next Scheduled EDR Contact: 02/06/2023 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: 10/05/2022

Next Scheduled EDR Contact: 01/23/2023 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: 12/07/2022

Next Scheduled EDR Contact: 02/27/2023 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: 12/01/2022

Next Scheduled EDR Contact: 03/20/2023 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: Day Care Center List Source: Office of Social Services Telephone: 304-558-7980

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: US Fish & Wildlife Service

Telephone: 703-358-2171

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**

PADEN CITY WWTP 0 W MAIN ST PADEN CITY, WV 26159

# TARGET PROPERTY COORDINATES

Latitude (North): 39.607627 - 39<sup>°</sup> 36' 27.46" Longitude (West): 80.937305 - 80<sup>°</sup> 56' 14.30"

Universal Tranverse Mercator: Zone 17 UTM X (Meters): 505382.3 UTM Y (Meters): 4384002.0

Elevation: 623 ft. above sea level

### **USGS TOPOGRAPHIC MAP**

Target Property Map: 14449362 PADEN CITY, WV

Version Date: 2019

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).

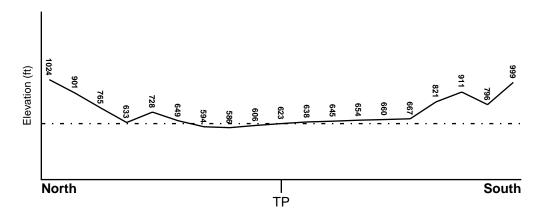
### **TOPOGRAPHIC INFORMATION**

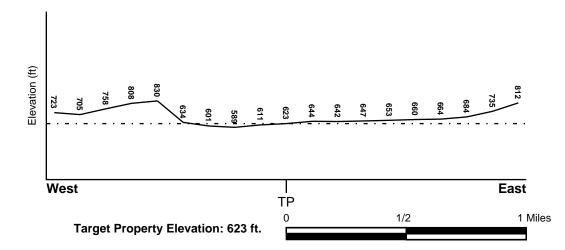
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

#### TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NW

#### 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

54103C0131C FEMA FIRM Flood data

Additional Panels in search area: FEMA Source Type

54095C0027C FEMA FIRM Flood data 54103C0135C FEMA FIRM Flood data 54095C0029C FEMA FIRM Flood data

**NATIONAL WETLAND INVENTORY** 

NWI Quad at Target Property Data Coverage

PADEN CITY 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.

LOCATION GENERAL DIRECTION
MAP ID FROM TP GROUNDWATER FLOW
Not Reported

# **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**

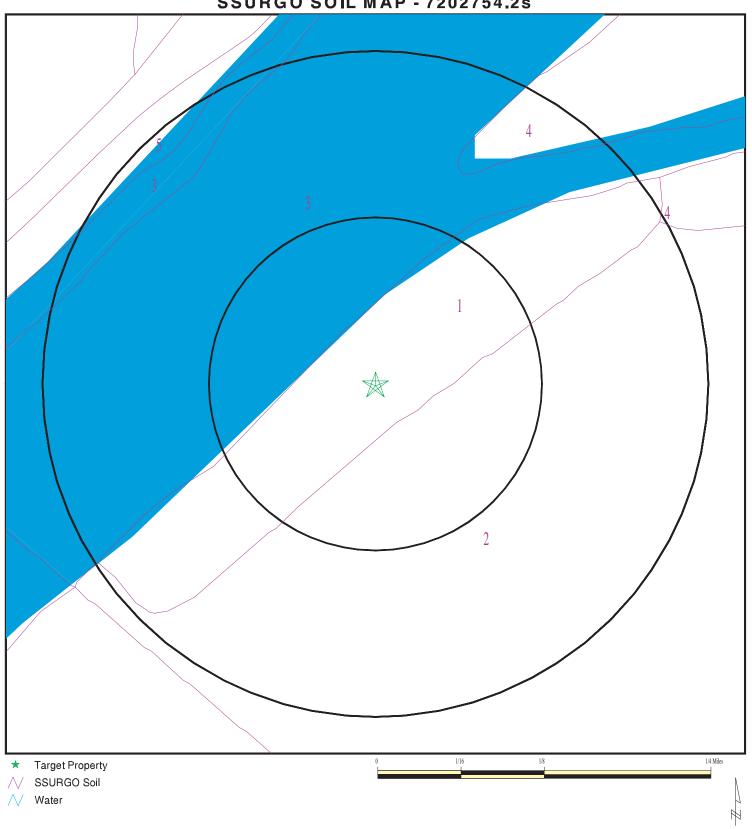
Era: Paleozoic Category: Stratifed Sequence

System: Pennsylvanian Series: Virgilian Series

Code: PP4 (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 - 7202754.2s**



SITE NAME: Paden City WWTP ADDRESS: 0 W Main St

Paden City WV 26159 39.607627 / 80.937305 LAT/LONG:

CLIENT: Thrasher Engineering, Inc.
CONTACT: Daniel Brady
INQUIRY#: 7202754.2s

DATE: December 13, 2022 12:50 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: Udorthents

Soil Surface Texture:

Hydrologic Group: Not reported

Soil Drainage Class: Well drained

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 2

Soil Component Name: Wheeling

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep,

moderately well and well drained soils with moderately coarse

textures.

Soil Drainage Class: Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary Classification				Saturated hydraulic		
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	'	
1	0 inches	40 inches	silt loam	Not reported	Not reported	Max: 141 Min: 42	Max: 6 Min: 5.1
2	40 inches	53 inches	silt loam	Not reported	Not reported	Max: 141 Min: 42	Max: 6 Min: 5.1
3	53 inches	64 inches	loam	Not reported	Not reported	Max: 141 Min: 42	Max: 6 Min: 5.1

Soil Map ID: 3

Soil Component Name: Water

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep,

moderately well and well drained soils with moderately coarse

textures.

Soil Drainage Class: Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 4

Soil Component Name: Huntington

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep,

moderately well and well drained soils with moderately coarse

textures.

Soil Drainage Class: Well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary Classification			ication	Saturated hydraulic		
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec (pH)	
1	0 inches	14 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 7.8 Min: 5.6
2	14 inches	64 inches	silt loam	Not reported	Not reported	Max: 14 Min: 4	Max: 7.8 Min: 5.6

# Soil Map ID: 5

Soil Component Name: Made land

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep,

moderately well and well drained soils with moderately coarse

textures.

Soil Drainage Class: Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

# **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
A3	USGS40001305608	1/8 - 1/4 Mile SE
4	USGS40001305614	1/8 - 1/4 Mile ESE
B6	USGS40001305600	1/8 - 1/4 Mile SE
C7	USGS40001305627	1/4 - 1/2 Mile East
9	USGS40001305593	1/4 - 1/2 Mile SSW
11	USGS40001305590	1/4 - 1/2 Mile SSW

# FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

		LOCATION
MAP ID	WELL ID	FROM TP
10	WV3305204	1/4 - 1/2 Mile South

Note: PWS System location is not always the same as well location.

# STATE DATABASE WELL INFORMATION

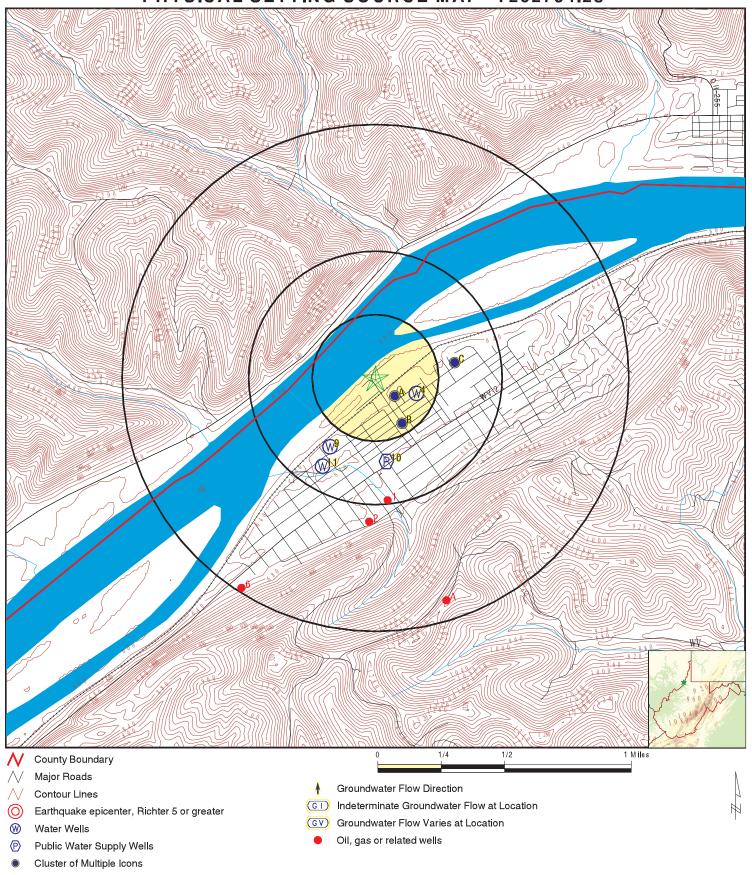
MAP ID	WELL ID	LOCATION FROM TP
A1	WVWELL0535	0 - 1/8 Mile SE
A2 B5	WVWELL1461 WVWELL0521	0 - 1/8 Mile SE 1/8 - 1/4 Mile SSE
C8	WVWELL0447	1/4 - 1/2 Mile ENE

### **OTHER STATE DATABASE INFORMATION**

# STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	WVOG13000124832	1/4 - 1/2 Mile South
2	WVOG13000124759	1/2 - 1 Mile South
A3	WVOG13000129037	1/2 - 1 Mile SSE
A4	WVOG13000139770	1/2 - 1 Mile SSE
A5	WVOG13000140099	1/2 - 1 Mile SSE
6	WVOG13000129278	1/2 - 1 Mile SSW
A4 A5	WVOG13000139770 WVOG13000140099	1/2 - 1 Mile SSE 1/2 - 1 Mile SSE

# PHYSICAL SETTING SOURCE MAP - 7202754.2s



SITE NAME: Paden City WWTP 0 W Main St ADDRESS:

Paden City WV 26159 39.607627 / 80.937305 LAT/LONG:

CLIENT: Thrasher Eng CONTACT: Daniel Brady Thrasher Engineering, Inc.

INQUIRY#: 7202754.2s

DATE: December 13, 2022 12:50 pm

Map ID Direction Distance

Elevation EDR ID Number Database

0 - 1/8 Mile

Higher

PWS ID: WV3305204 System Name: PADEN CITY WATER WORKS

Facility ID: 564846 Facility Name: WELL #4 GW Water Type: Status: Α Owner Type: L Daily Prod: 0 Population Served: 3108 System Type: С

Elevation: 0 Source: Not Reported WL WVWELL0535 Facility Type: Site id:

A2 SE WVWELL1461 **WV WELLS** 

0 - 1/8 Mile Higher

> PADEN CITY WATER WORKS PWS ID: WV3305204 System Name:

Facility Name: Facility ID: 564846 WELL NO1 Status: Water Type: GW Α Owner Type: L Daily Prod: 0 Population Served: 3108 System Type: С

Source: Not Reported Elevation: 0 Facility Type: WL Site id: WVWELL1461

**FED USGS** USGS40001305608 1/8 - 1/4 Mile

Higher

**USGS-WV** Organization ID:

Organization Name: USGS West Virginia Water Science Center Monitor Location: Wet-0011 Type:

Description: Original station name was 0605082

05030201 HUC: Drainage Area: Not Reported Drainage Area Units: Not Reported Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported Aquifer: Alluvial aquifers Formation Type: Holocene Alluvium Aquifer Type: Not Reported

Construction Date: Not Reported Well Depth:

Well Depth Units: Well Hole Depth: Not Reported

Well Hole Depth Units: Not Reported

ESE 1/8 - 1/4 Mile Higher **FED USGS** USGS40001305614

Organization ID: **USGS-WV** 

Organization Name: USGS West Virginia Water Science Center Monitor Location: Wet-0012 Type: Well

Description: Original station name was 0605081

HUC: 05030201 Drainage Area: Not Reported Drainage Area Units: Not Reported Contrib Drainage Area: Not Reported

Well

**WV WELLS** 

WVWELL0535

Contrib Drainage Area Unts: Not Reported Aquifer: Not Reported Formation Type: Not Reported Aquifer Type: Not Reported

Construction Date: 19220101 Well Depth: 105

Well Depth Units: ft Well Hole Depth: Not Reported

Well Hole Depth Units: Not Reported

B5 SSE WV WELLS WVWELL0521

1/8 - 1/4 Mile Higher

Higher

PWS ID: WV3305204 System Name: PADEN CITY WATER WORKS

Facility ID:564846Facility Name:WELL NO3Status:AWater Type:GWOwner Type:LDaily Prod:0Population Served:3108System Type:C

Elevation: 0 Source: Not Reported Facility Type: WL Site id: WVWELL0521

B6
SE
FED USGS USGS40001305600
1/8 - 1/4 Mile

Organization ID: USGS-WV

Organization Name: USGS West Virginia Water Science Center

Monitor Location: Wet-0111 Type: Well

Description: Orig staname was M007 CITY OF PADEN CITY, NO. 3

05030201 Not Reported HUC: Drainage Area: Not Reported Contrib Drainage Area: Not Reported Drainage Area Units: Contrib Drainage Area Unts: Not Reported Aquifer: Alluvial aquifers Formation Type: Holocene Alluvium Aquifer Type: Not Reported

Construction Date:Not ReportedWell Depth:83Well Depth Units:ftWell Hole Depth:83

Well Hole Depth Units: ft

C7
East FED USGS USGS40001305627

1/4 - 1/2 Mile Higher

Organization ID: USGS-WV

Organization Name: USGS West Virginia Water Science Center

Monitor Location: Wet-0114 Type: Well

Description: Orig staname was M006 CITY OF PADEN CITY, NO. 2

05030201 Not Reported HUC: Drainage Area: Drainage Area Units: Not Reported Contrib Drainage Area: Not Reported Not Reported Alluvial aquifers Contrib Drainage Area Unts: Aquifer: Formation Type: Holocene Alluvium Aquifer Type: Not Reported

Construction Date: Not Reported Well Depth: 71
Well Depth Units: ft Well Hole Depth: 71

Well Hole Depth Units: ft

Ground water levels, Number of Measurements: 1 Level reading date: 1982-09-30 Feet below surface: 43.55 Feet to sea level: Not Reported

Note: Not Reported

C8
ENE WV WELLS WVWELL0447

1/4 - 1/2 Mile Higher

PWS ID: WV3305204 System Name: PADEN CITY WATER WORKS

Facility ID: 564846 Facility Name: WELL NO2 Status: Α Water Type: GW Owner Type: L Daily Prod: 0 Population Served: 3108 System Type: С

Elevation: 0 Source: Not Reported Facility Type: WL Site id: WVWELL0447

\_\_\_\_

Organization ID: USGS-WV

Organization Name: USGS West Virginia Water Science Center

Monitor Location: Wet-0009 Type: Well

Monitor Education. Verticology Type. V

Description: Original station name was 0605039

HUC: 05030201 Not Reported Drainage Area: Contrib Drainage Area: Drainage Area Units: Not Reported Not Reported Not Reported Contrib Drainage Area Unts: Not Reported Aquifer: Formation Type: Not Reported Aguifer Type: Not Reported

Construction Date: Not Reported Well Depth: 84

Well Depth Units: ft Well Hole Depth: Not Reported Well Hole Depth Units: Not Reported

Well Hole Depth Units: Not Reported

10 South FRDS PWS WV3305204 1/4 - 1/2 Mile

Higher

Epa region: 03 State: WV

Pwsid: WV3305204 Pwsname: PADEN CITY, CITY OF

Cityserved: Not Reported Stateserved: WV Zipserved: Not Reported Fipscounty: 54103 Status: Active Retpopsrvd: 2985 Psource longname: 1254 Groundwater Pwssvcconn: Pwstype: **CWS** Owner: Local\_Govt

HOPKINS, JOHN Contact: HOPKINS, JOHN Contactorgname: Contactphone: 304-337-2295 Contactaddress1: Not Reported PADEN CITY Contactaddress2: **BOX 211** Contactcity: Contactstate: WV Contactzip: 26159

Pwsactivitycode: A

Pwsid: WV3305204 Facid: 5110

Facname: TREATMENT PLANT Factype: Treatment\_plant Facactivitycode: A Trtobjective: disinfection

Trtprocess: gaseous chlorination, pre Factypecode: TP

Pwsid: WV3305204 Facid: 5110

Facname: TREATMENT PLANT Factype: Treatment\_plant

Facactivitycode: A Trtobjective: disinfection

Trtprocess: chlorination (frds-1.5) Factypecode: TP

Pwsid: WV3305204 Facid: 5110

Facname: TREATMENT PLANT Factype: Treatment\_plant

Facactivitycode: A Trtobjective: other Trtprocess: fluoridation Factypecode: TP

Pwsid: WV3305204 Facid: 5110

Facname: TREATMENT PLANT Factype: Treatment\_plant Facactivitycode: A Trobjective: disinfection

Trtprocess: not reported Factypecode: TP

PWS ID: WV3305204 PWS name: COMMUNITY OF PADEN CITY

Address: BOX 211 Care of: Not Reported

City: PADEN CITY State: WV

Zip: 26159 Owner: COMMUNITY OF PADEN CITY

Source code: Ground water Population: 3108

PWS ID: WV3305204 PWS type: Mailing
PWS name: PADEN CITY WATER WORKS PWS address: Not Reported

PWS dates.

PWS address.

PWS address.

Not Reported

WV

PWS zip:

PWS zip:

Source:

PWS address.

PWS address.

PWS address.

WV

EVS address.

WV

PWS state:

WV

EVS address.

FWS address.

FWS

Process: GASEOUS CHLORINATION, PRE Population: 3108

County: WETZEL Source: Ground water

Treatment Objective: DISINFECTION Process: CHLORINATION (FRDS-1.5)

Population: 3108

PWS ID: WV3305204 Activity status: Active
Date system activated: 7706 Date system deactivated: Not Reported

Retail population: 00003367 System name: COMMUNITY OF PADEN CITY

System address: Not Reported System address: BOX 211
System city: PADEN CITY System state: WV

System zip: 26159

Population served: 3,301 - 5,000 Persons Treatment: Treated

Latitude: 393610 Longitude: 0805612

Violation id:5210312Orig code:SState:WVViolation Year:2008

Contamination code: 4000 Contamination Name: Gross Alpha, Excl. Radon and U

Violation code: 03 Violation name: Monitoring, Regular

Rule code: 340 Rule name: Rads

Violation measur:Not ReportedUnit of measure:Not ReportedState mcl:Not ReportedCmp bdt:01/01/2008

Cmp edt: 12/31/2013

5210313 S Violation id: Orig code: WV Violation Year: State: 2008 Contamination code: 4030 Contamination Name: Radium-228 03 Monitoring, Regular Violation code: Violation name:

Rule code: 340 Rule name: Rads
Violation measur: Not Reported Unit of measure: Not Reported
State mcl: Not Reported Cmp bdt: 01/01/2008

Cmp edt: 12/31/2013

Violation id:5210314Orig code:SState:WVViolation Year:2013

Contamination code: 5000 Contamination Name: Lead and Copper Rule

Violation code: Violation name: Lead Consumer Notice

Rule code:350Rule name:LCRViolation measur:Not ReportedUnit of measure:Not ReportedState mcl:Not ReportedCmp bdt:12/30/2013

Cmp edt: Not Reported

Violation ID: 5210312 Orig Code: S

Enforcement FY: 2014 Enforcement Action: 02/19/2014 Enforcement Detail: St Compliance achieved Enforcement Category: Resolving

Violation ID: 5210312 Orig Code: S

Enforcement FY: 2014 Enforcement Action: 02/13/2014 Enforcement Detail: St Formal NOV issued Enforcement Category: Informal

Violation ID: 5210312 Orig Code: S

Enforcement FY: 2014 Enforcement Action: 02/13/2014 Enforcement Detail: St Public Notif requested Enforcement Category: Informal

Violation ID: 5210313 Orig Code: S

Enforcement FY: 2014 Enforcement Action: 02/13/2014

Enforcement Detail: St Formal NOV issued Enforcement Category: Informal

Violation ID: 5210313 Orig Code: S

Enforcement FY: 2014 Enforcement Action: 02/19/2014 Enforcement Detail: St Compliance achieved Enforcement Category: Resolving

Enforcement Detail: St Compliance achieved Enforcement Category: Resolving

Violation ID: 5210313 Orig Code: S

Enforcement FY: 2014 Enforcement Action: 02/13/2014 Enforcement Detail: St Public Notif requested Enforcement Category: Informal

Violation ID: 5210314 Orig Code: S

Enforcement FY: 2014 Enforcement Action: 02/14/2014 Enforcement Detail: St Formal NOV issued Enforcement Category: Informal

Violation ID: 5210314 Orig Code: S

Enforcement FY: 2014 Enforcement Action: 02/14/2014 Enforcement Detail: St Public Notif requested Enforcement Category: Informal

Violation ID: Not Reported Orig Code: S

Enforcement FY: 2009 Enforcement Action: 07/23/2009
Enforcement Detail: St Boil Water Order Enforcement Category: Not Reported

11 SSW FED USGS USGS40001305590 1/4 - 1/2 Mile

Organization ID: USGS-WV

Higher

Organization Name: USGS West Virginia Water Science Center

Monitor Location: Tyl-0045 Type: Well

Description: Original station name was 0501001

HUC: 05030201 Drainage Area: Not Reported Not Reported Not Reported Contrib Drainage Area: **Drainage Area Units:** Contrib Drainage Area Unts: Not Reported Aquifer: Alluvial aquifers Formation Type: Not Reported Holocene Alluvium Aquifer Type:

Construction Date: 19330101 Well Depth: 78 Well Depth Units: ft Well Hole Depth: 78

Well Hole Depth Units: ft

Map ID Direction

Distance Database EDR ID Number

South OIL\_GAS WVOG13000124832 1/4 - 1/2 Mile

Permit ID: 095-00158 Permit #: 00158 API#: 4709500158 Well Number: Well Status: Well Type: Vertical Plugged Well Use: Not Available Well Depth: Not Available Not Available Well Rig: Permit Type: Plugging Issue Date: Not Reported Completion Date: Not Reported

Farm Name: PADEN CITY LAND CO.

Map URL: http://tagis.dep.wv.gov/imap/imap.php?x=505460.1&y=4383434.6&datum=83&level=17&pntlabel=None

2 South OIL\_GAS WVOG13000124759 1/2 - 1 Mile

Permit ID: 095-00159 Permit #: 00159 Well Number: API#: 4709500159 2 Well Status: Plugged Well Type: Vertical Well Use: Not Available Well Depth: Not Available Well Rig: Not Available Permit Type: Plugging Issue Date: Not Reported Completion Date: Not Reported

Farm Name: PADEN CITY LAND CO.

Map URL: http://tagis.dep.wv.gov/imap/imap.php?x=505343.1&y=4383298.4&datum=83&level=17&pntlabel=None

A3
SSE
OIL\_GAS WVOG13000129037
1/2 - 1 Mile

Permit ID: 095-00923 Permit #: 00923 Well Number: API#: 4709500923 Well Status: **Never Drilled** Well Type: Vertical Well Use: Unknown Well Depth: Not Available Well Rig: Permit Type: Not Available Vertical Well Issue Date: Not Reported Completion Date: Not Reported

Farm Name: COLLONS, RALPH LEE

Map URL: http://tagis.dep.wv.gov/imap/imap.php?x=505831.49&y=4382801.71&datum=83&level=17&pntlabel=None

A4
SSE OIL\_GAS WVOG13000139770
1/2 - 1 Mile

Permit ID: 095-00823 Permit #: 00823 CROSS 1 API#: 4709500823 Well Number: Well Status: Well Type: Vertical Abandoned Well Well Depth: Well Use: Not Available Not Available Well Rig: Not Available Permit Type: Fracture Issue Date: 1986/07/28 Completion Date: Not Reported

Farm Name: CROSS, LLOYD

 $\label{lem:mapurp} \begin{tabular}{ll} Map URL: & http://tagis.dep.wv.gov/imap/imap.php?x=505835.1&y=4382797.5&datum=83&level=17&pntlabel=None & leading to the context of the context o$ 

Map ID Direction Distance

Distance Database EDR ID Number

A5 SSE 1/2 - 1 Mile

API#:

Permit ID:

 095-00823
 Permit #:
 00823

 4709500823
 Well Number:
 CROSS 1

 Abandoned Well
 Well Type:
 Vertical

OIL\_GAS

WVOG13000140099

Well Status:Abandoned WellWell Type:VerticalWell Use:Not AvailableWell Depth:Not AvailableWell Rig:Not AvailablePermit Type:Other WellIssue Date:1980/09/01Completion Date:Not Reported

Farm Name: CROSS, LLOYD

Map URL: http://tagis.dep.wv.gov/imap/imap.php?x=505835.1&y=4382797.5&datum=83&level=17&pntlabel=None

\_\_\_\_\_

6 SSW OIL\_GAS WVOG13000129278 1/2 - 1 Mile

095-01047 Permit #: 01047 Permit ID: API#: 4709501047 Well Number: AM84-1 Well Status: Active Well Well Type: Vertical Well Use: Gas Production Well Depth: Not Available Well Rig: Permit Type: Not Available Other Well Issue Date: 1984/03/25 Completion Date: Not Reported

Farm Name: ADONIS FOREST PRODUCTS

Map URL: http://tagis.dep.wv.gov/imap/imap.php?x=504532.1&y=4382877.1&datum=83&level=17&pntlabel=None

# AREA RADON INFORMATION

EPA Region 3 Statistical Summary Readings for Zip Code: 26159

Number of sites tested: 42.

Maximum Radon Level: 27.8 pCi/L. Minimum Radon Level: 0.9 pCi/L.

pCi/L <4	pCi/L 4-10	pCi/L 10-20	pCi/L 20-50	pCi/L 50-100	pCi/L >100
23 (54.76%)	14 (33.33%)	3 (7.14%)	2 (4.76%)	0 (0.00%)	0 (0.00%)
23 (54.76%)	14 (33.33%)	3 (7.14%)	2 (4.76%)	0 (0.00%)	0 (0.00%)

Federal EPA Radon Zone for WETZEL County: 1

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.

# 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: US Fish & Wildlife Service

Telephone: 703-358-2171

### HYDROGEOLOGIC INFORMATION

AQUIFLOW<sup>R</sup> 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

West Virginia Water Well Information Source: Bureau of Public Health Telephone: 304-558-6765

Community, non-community, non-transient non-community, non-public wells.

### OTHER STATE DATABASE INFORMATION

West Virginia Oil and Gas Well Database

Source: Department of Environmental Protection

Telephone: 304-926-0450

Oil and Gas well locations in the state.

### RADON

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.

EPA Region 3 Statistical Summary Readings

Source: Region 3 EPA Telephone: 215-814-2082

Radon readings for Delaware, D.C., Maryland, Pennsylvania, Virginia and West Virginia.

### **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

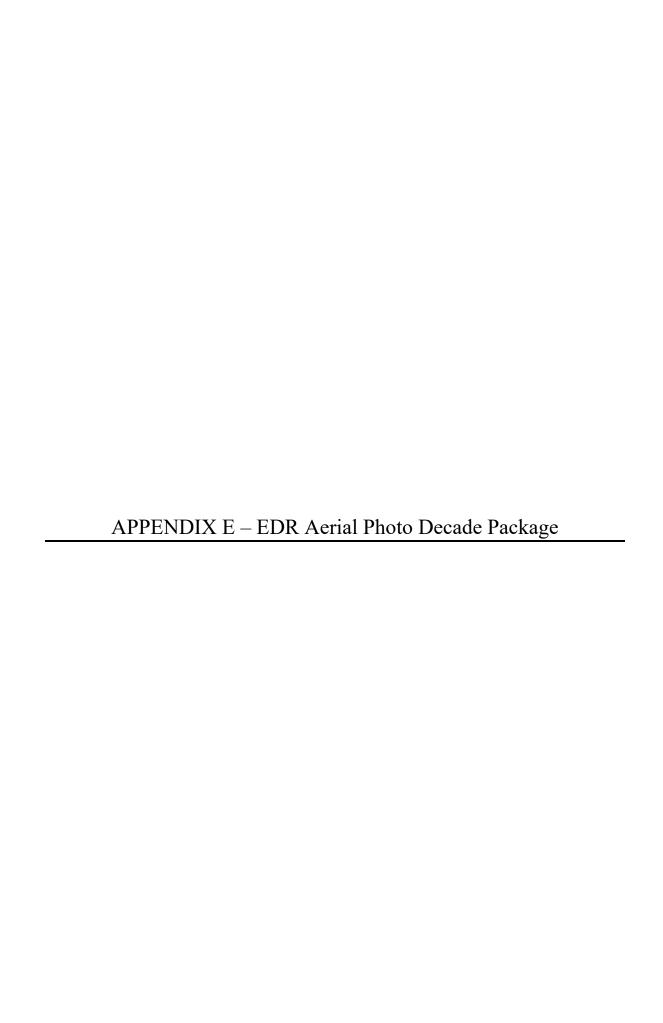
Source: Department of Commerce, National Oceanic and Atmospheric Administration

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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# **Paden City WWTP**

0 W Main St Paden City, WV 26159

Inquiry Number: 7202754.8

December 15, 2022

# The EDR Aerial Photo Decade Package



### 12/15/22

# **EDR Aerial Photo Decade Package**

Site Name: Client Name:

Paden City WWTP

Thrasher Engineering, Inc.

0 W Main St

Paden City, WV 26159

Charleston, WV 25311

EDR Inquiry # 7202754.8

Contact: Daniel Brady



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.

#### Search Results:

Year	Scale	Details	Source
		<del></del>	
2020	1"=500'	Flight Year: 2020	USDA/NAIP
2017	1"=500'	Flight Year: 2017	USDA/NAIP
2014	1"=500'	Flight Year: 2014	USDA/NAIP
2011	1"=500'	Flight Year: 2011	USDA/NAIP
2007	1"=500'	Flight Year: 2007	USDA/NAIP
1997	1"=500'	Acquisition Date: January 01, 1997	USGS/DOQQ
1996	1"=500'	Acquisition Date: April 03, 1996	USGS/DOQQ
1994	1"=500'	Acquisition Date: January 01, 1994	USGS/DOQQ
1982	1"=500'	Flight Date: November 07, 1982	USDA
1976	1"=500'	Flight Date: March 22, 1976	USGS
1972	1"=500'	Flight Date: May 11, 1972	USGS
1960	1"=500'	Flight Date: June 26, 1960	USGS
1958	1"=500'	Flight Date: April 16, 1958	USGS

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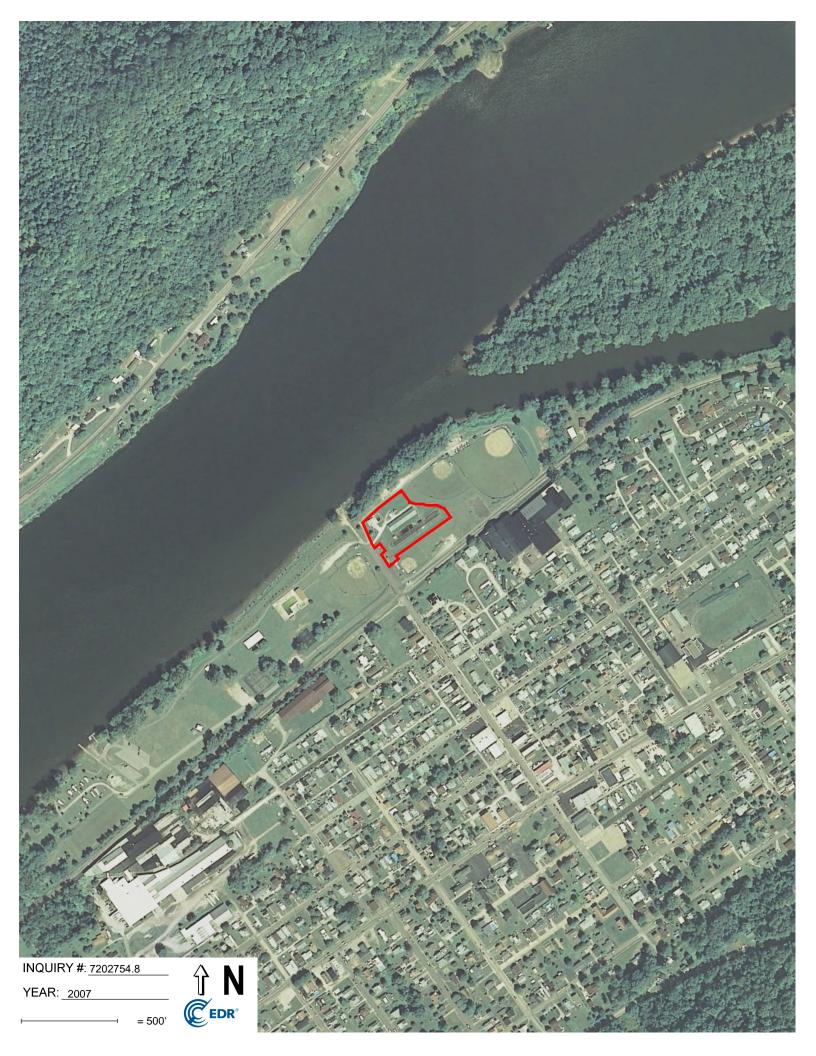
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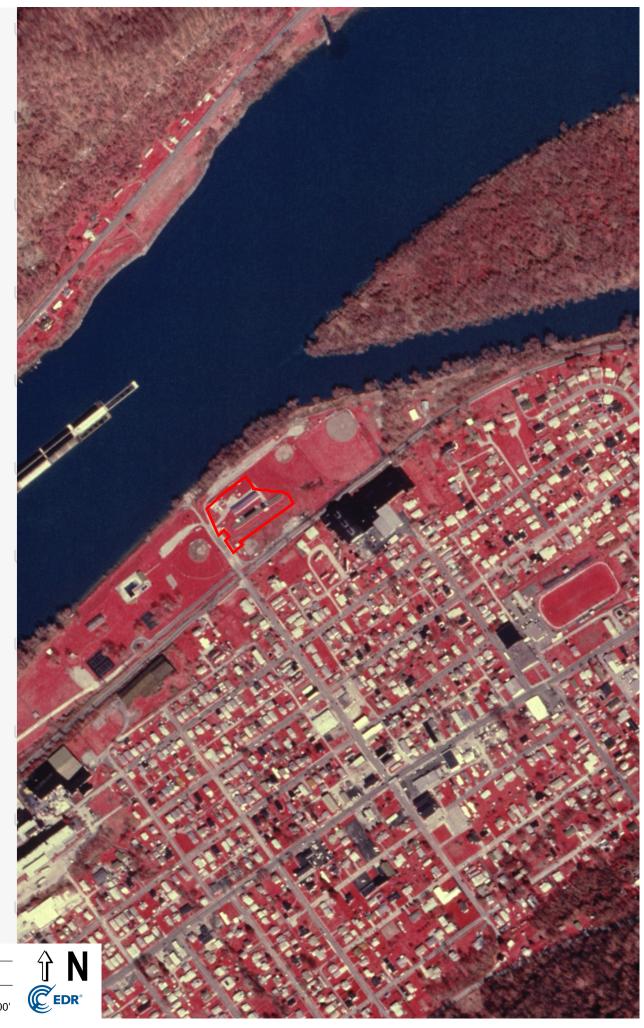
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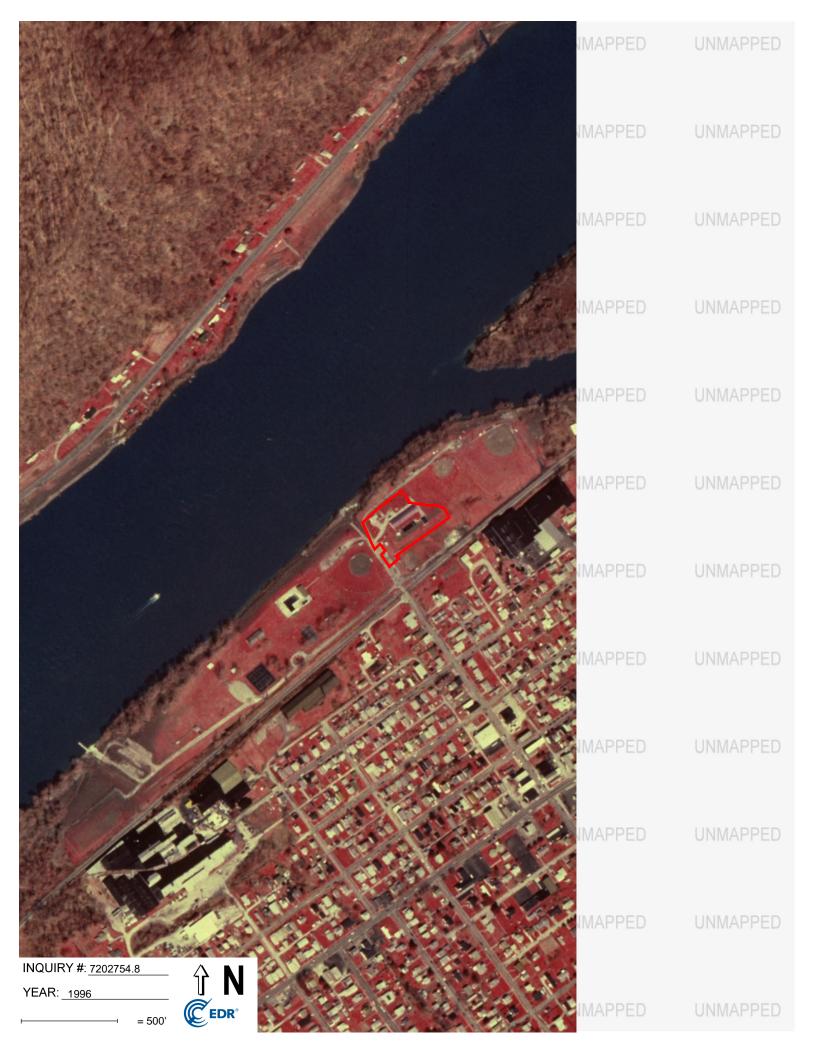
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INQUIRY #: 7202754.8

YEAR: 1997

= 50





INQUIRY #: 7202754.8 YEAR: 1994

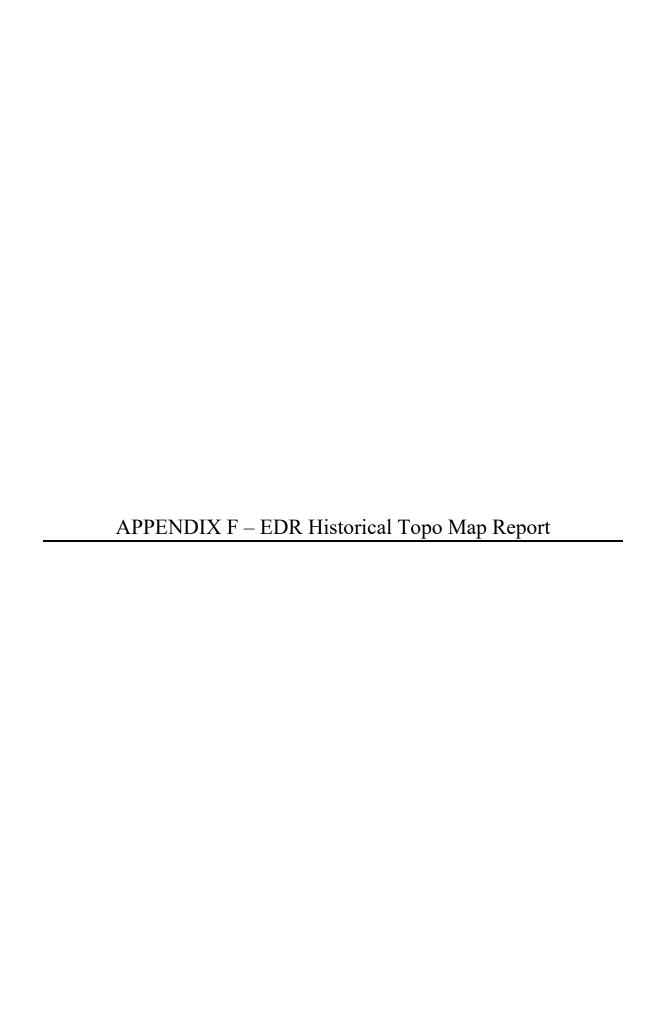












Paden City WWTP 0 W Main St Paden City, WV 26159

Inquiry Number: 7202754.4

December 13, 2022

# **EDR Historical Topo Map Report**

with QuadMatch™



# **EDR Historical Topo Map Report**

12/13/22

Site Name: Client Name:

Paden City WWTP

0 W Main St

Paden City, WV 26159

EDR Inquiry # 7202754.4

Thrasher Engineering, Inc.
300 Association Drive
Charleston, WV 25311
Contact: Daniel Brady

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Thrasher Engineering, 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.#	020-10082	Latitude:	39.607627 39° 36' 27" North
Project:	Paden City WWTP	Longitude:	-80.937305 -80° 56' 14" West
	•	UTM Zone:	Zone 17 North
		UTM X Meters:	505382.13
		UTM Y Meters:	4384211.01
		Elevation:	622.37' above sea level

#### Maps Provided:

2019 1960 2016 1926 2014, 2013 1924 2002, 2005 1906 1994 1985, 1989 1976 1972

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# Topo Sheet Key

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

## 2019 Source Sheets



Paden City 2019 7.5-minute, 24000



Round Bottom 2019 7.5-minute, 24000

## 2016 Source Sheets



Paden City 2016 7.5-minute, 24000



Round Bottom 2016 7.5-minute, 24000

# **2014, 2013 Source Sheets**



Paden City 2014 7.5-minute, 24000



Round Bottom 2013 7.5-minute, 24000

## 2002, 2005 Source Sheets



Round Bottom 2002 7.5-minute, 24000 Aerial Photo Revised 2000



Paden City 2005 7.5-minute, 24000 Aerial Photo Revised 2005

# Topo Sheet Key

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

#### 1994 Source Sheets



Round Bottom 1994 7.5-minute, 24000 Aerial Photo Revised 1994



Paden City 1994 7.5-minute, 24000 Aerial Photo Revised 1976

## 1985, 1989 Source Sheets



Round Bottom 1985 7.5-minute, 24000 Aerial Photo Revised 1985



ROUND BOTTOM 1985 7.5-minute, 24000



Paden City 1989 7.5-minute, 24000 Aerial Photo Revised 1976

## 1976 Source Sheets



Round Bottom 1976 7.5-minute, 24000 Aerial Photo Revised 1976



Paden City 1976 7.5-minute, 24000 Aerial Photo Revised 1976

#### 1972 Source Sheets



Paden City 1972 7.5-minute, 24000 Aerial Photo Revised 1972



ROUND BOTTOM 1972 7.5-minute, 24000

# Topo Sheet Key

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

## 1960 Source Sheets



Round Bottom 1960 7.5-minute, 24000 Aerial Photo Revised 1958



Paden City 1960 7.5-minute, 24000 Aerial Photo Revised 1958

## 1926 Source Sheets



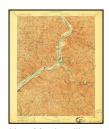
New Martinsville 1926 15-minute, 62500

## 1924 Source Sheets

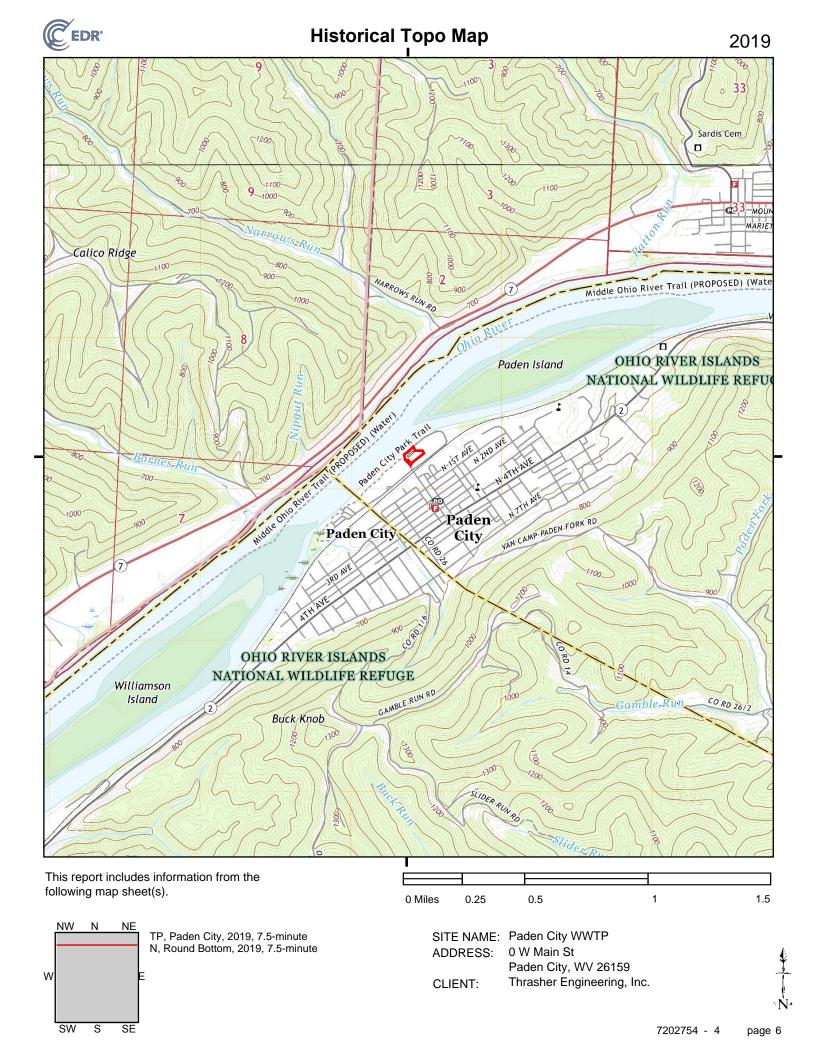


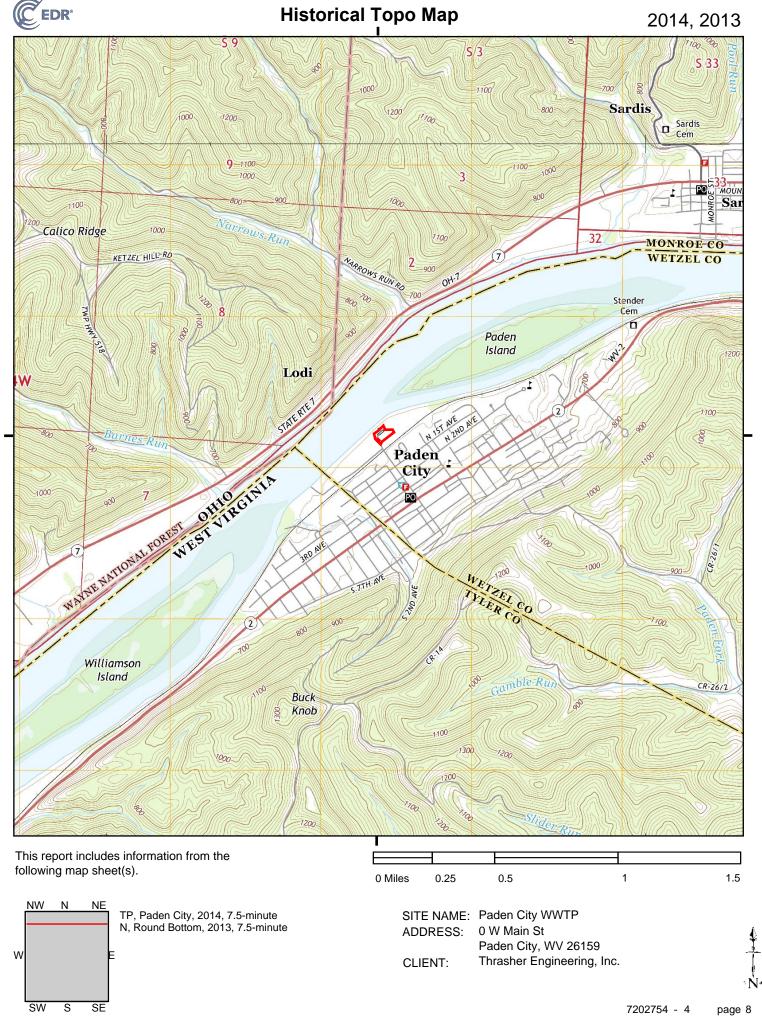
New Martinsville 1924 15-minute, 62500

#### 1906 Source Sheets



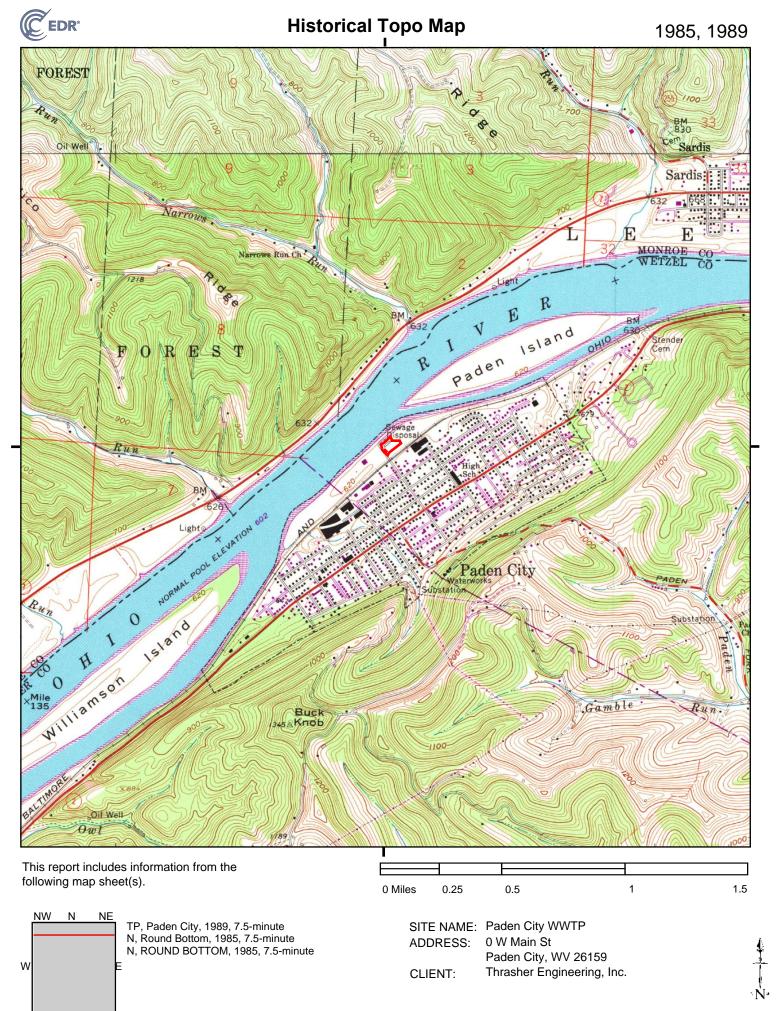
New Martinsville 1906 15-minute, 62500





SW

SW



SW

S

SE

CLIENT:

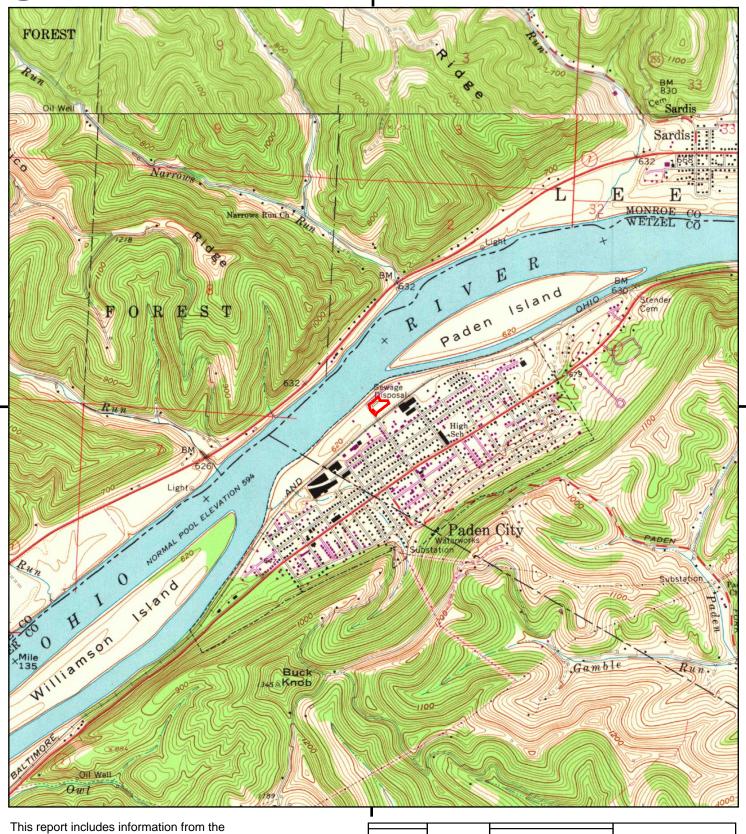
SW

S

page 12

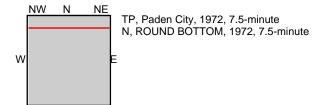
Thrasher Engineering, Inc.





SW

S



SITE NAME: Paden City WWTP ADDRESS: 0 W Main St

0.25

0 Miles

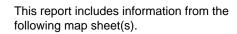
Paden City, WV 26159

0.5

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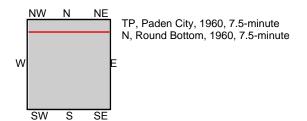


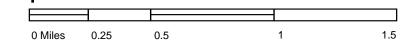
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Oil Well

Williamson



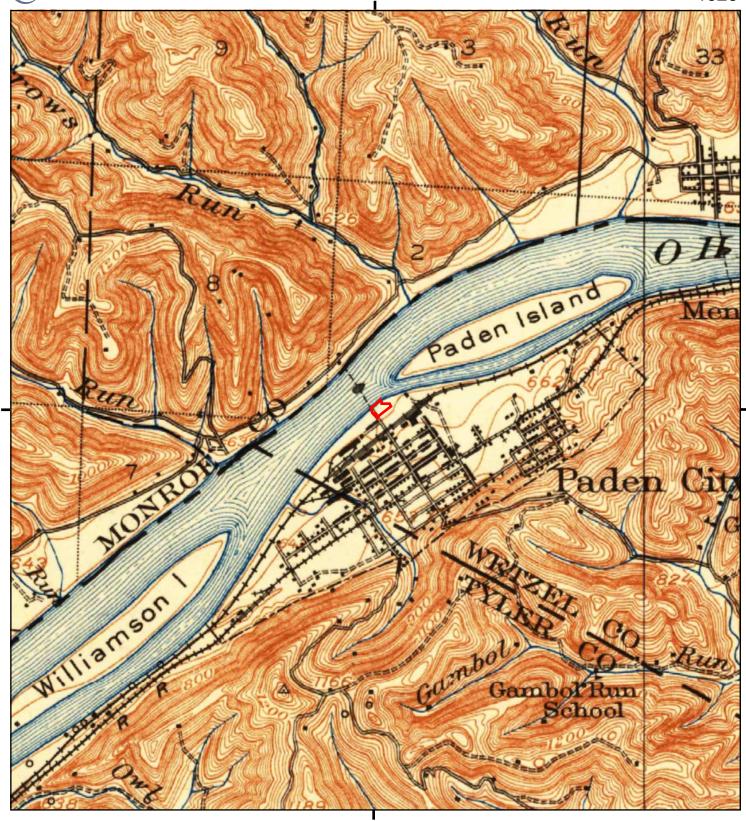


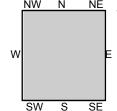
Gamble

SITE NAME: Paden City WWTP ADDRESS: 0 W Main St

Paden City, WV 26159

Thrasher Engineering, Inc. CLIENT:





TP, New Martinsville, 1926, 15-minute

SITE NAME: Paden City WWTP

0.25

0 Miles

ADDRESS: 0 W Main St

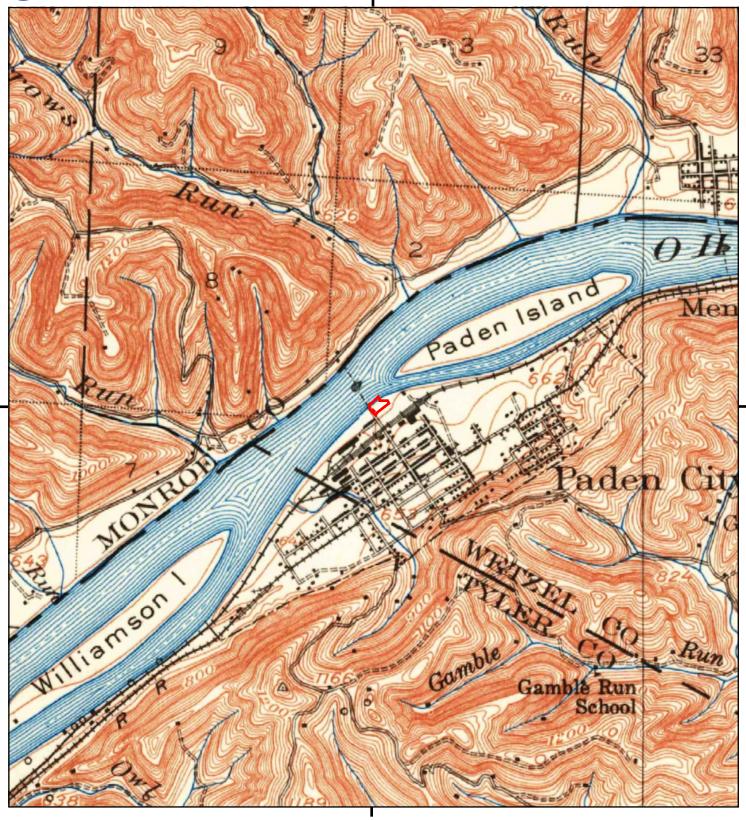
Paden City, WV 26159
CLIENT: Thrasher Engineering, Inc.

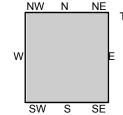
0.5

ering, Inc.

1.5







TP, New Martinsville, 1924, 15-minute

SITE NAME: Paden City WWTP

0.25

0 Miles

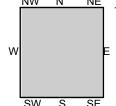
ADDRESS: 0 W Main St

Paden City, WV 26159
CLIENT: Thrasher Engineering, Inc.

0.5



1.5



TP, New Martinsville, 1906, 15-minute

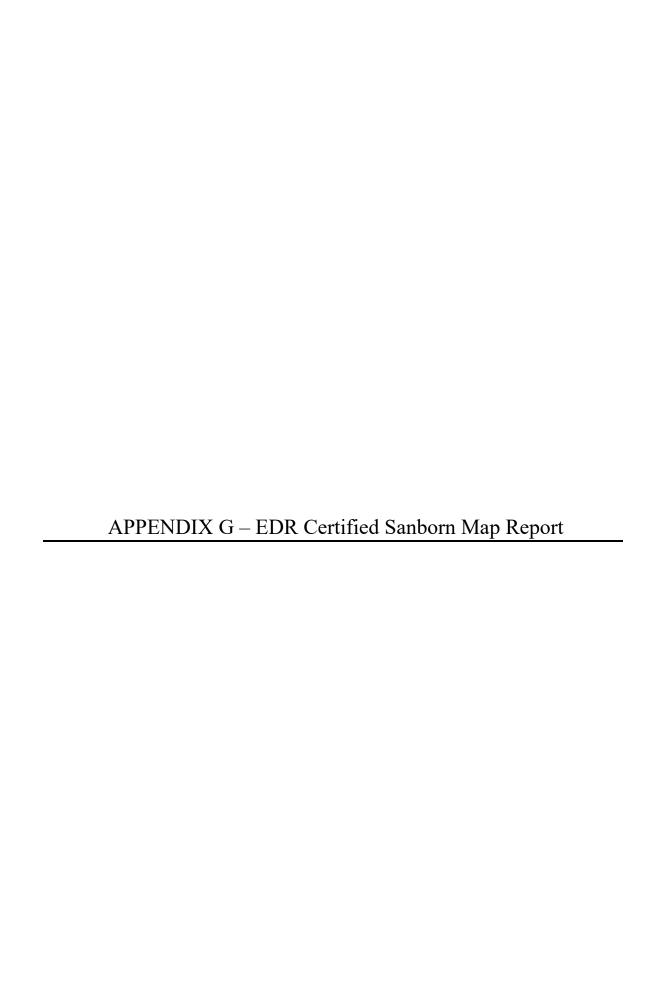
0 Miles 0.25 0.5 1 1.5

SITE NAME: Paden City WWTP ADDRESS: 0 W Main St

Paden City, WV 26159

CLIENT: Thrasher Engineering, Inc.





Paden City WWTP 0 W Main St Paden City, WV 26159

Inquiry Number: 7202754.3

December 13, 2022

# **Certified Sanborn® Map Report**



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

# **Certified Sanborn® Map Report**

12/13/22

Site Name: Client Name:

Paden City WWTP

O W Main St

Paden City, WV 26159

EDR Inquiry # 7202754.3

Thrasher Engineering, Inc.
300 Association Drive
Charleston, WV 25311

Contact: Daniel Brady



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Thrasher Engineering, 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 # 9A2D-4B12-96AF

**PO #** 020-10082

Project Paden City WWTP

**Maps Provided:** 

1950

1940

1930



Sanborn® Library search results

Certification #: 9A2D-4B12-96AF

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:

✓ Library of Congress

✓ University Publications of America

EDR Private Collection

The Sanborn Library LLC Since 1866™

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page 2

# Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.



## 1950 Source Sheets



Volume 1, Sheet 4 1950



Volume 1, Sheet 5 1950

## 1940 Source Sheets



Volume 1, Sheet 5 1940



Volume 1, Sheet 4 1940

# 1930 Source Sheets

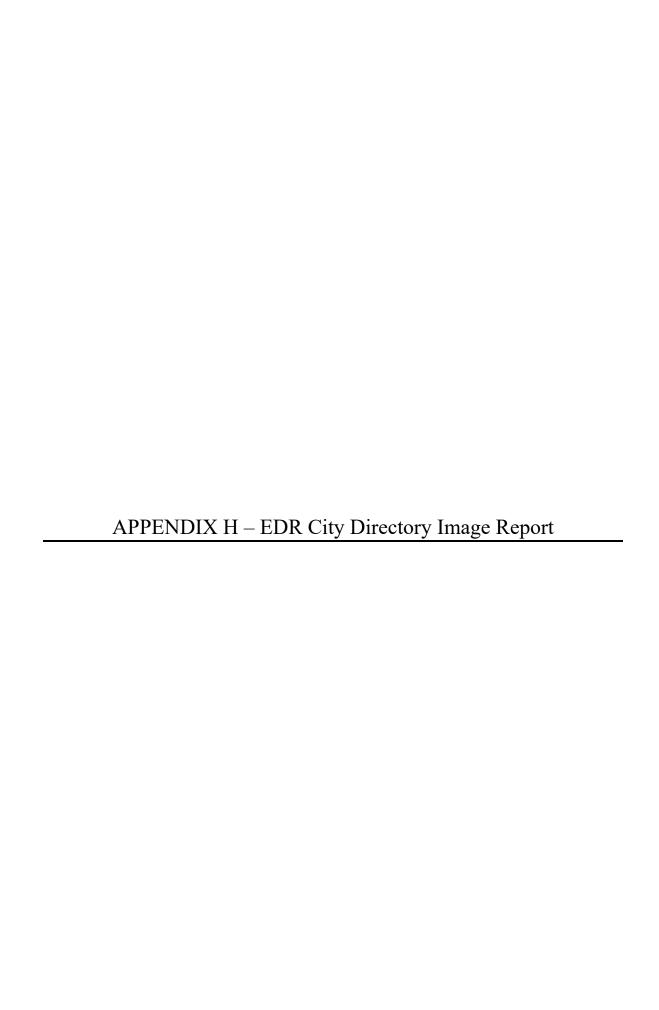


Volume 1, Sheet 4 1930



Volume 1, Sheet 5 1930





**Paden City WWTP** 

0 W Main St Paden City, WV 26159

Inquiry Number: 7202754.5

December 14, 2022

# **The EDR-City Directory Image Report**



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#### **SECTION**

**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 city directory data at 5 year intervals.

#### **RECORD SOURCES**

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Brad street. These standard sources of property information complement and enhance each other to provide a more comprehensive 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>
2017	$\overline{\checkmark}$		<b>EDR Digital Archive</b>
2014	$\overline{\checkmark}$		EDR Digital Archive
2010	$\overline{\checkmark}$		EDR Digital Archive
2005	$\overline{\checkmark}$		EDR Digital Archive
2000	$\overline{\checkmark}$		EDR Digital Archive
1995	$\overline{\checkmark}$		EDR Digital Archive
1992	$\overline{\checkmark}$		EDR Digital Archive
1990	$\overline{\checkmark}$		POLK DIRECTORY CO
1985	$\overline{\checkmark}$		POLK DIRECTORY CO
1980	$\overline{\checkmark}$		POLK DIRECTORY CO
1977	$\overline{\checkmark}$		POLK DIRECTORY CO
1973	$\overline{\checkmark}$		POLK DIRECTORY CO
1969	$\overline{\checkmark}$		POLK DIRECTORY CO
1965			POLK DIRECTORY CO

# **EXECUTIVE SUMMARY**

Year Target Street Cross Street Source

# **FINDINGS**

## TARGET PROPERTY STREET

0 W Main St Paden City, WV 26159

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
W MAIN ST		
2017	pg A1	EDR Digital Archive
2014	pg A2	EDR Digital Archive
2010	pg A3	EDR Digital Archive
2005	pg A4	EDR Digital Archive
2000	pg A5	EDR Digital Archive
1995	pg A6	EDR Digital Archive
1992	pg A7	EDR Digital Archive
1990	pg A8	POLK DIRECTORY CO
1990	pg A9	POLK DIRECTORY CO
1985	pg A10	POLK DIRECTORY CO
1980	pg A11	POLK DIRECTORY CO
1980	pg A12	POLK DIRECTORY CO
1977	pg A13	POLK DIRECTORY CO
1973	pg A14	POLK DIRECTORY CO
1969	pg A15	POLK DIRECTORY CO
1965	pg A16	POLK DIRECTORY CO

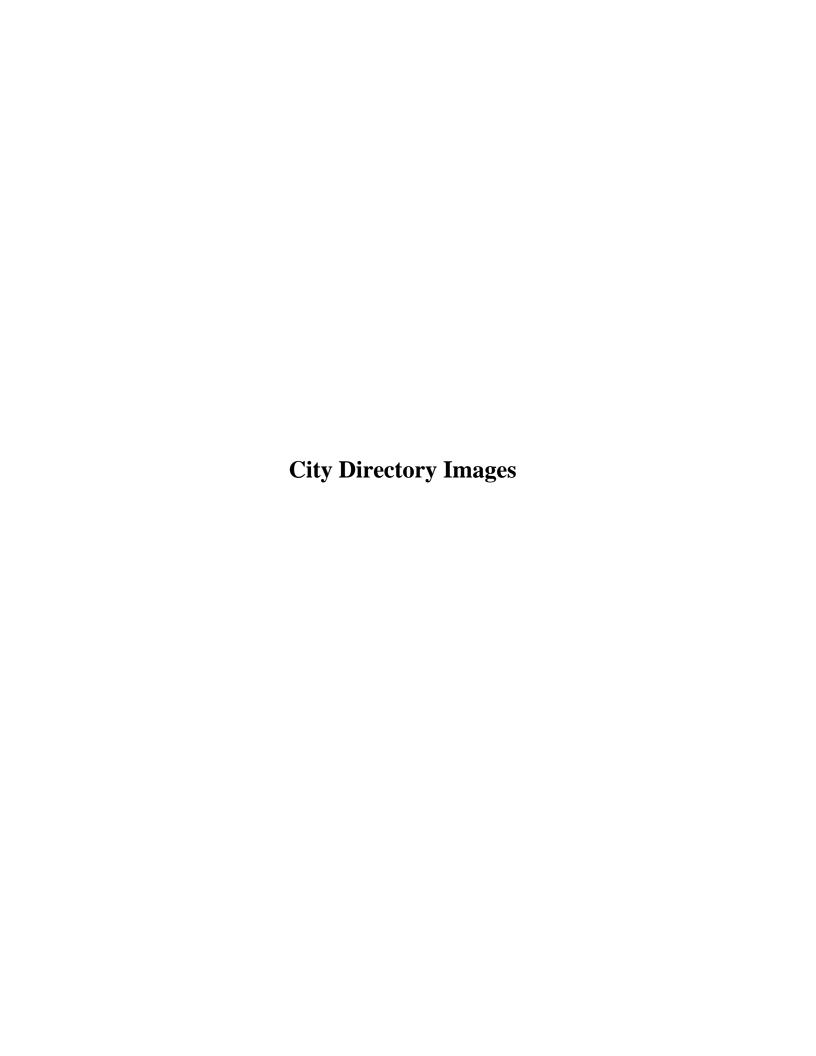
7202754-5 Page 3

# **FINDINGS**

## **CROSS STREETS**

No Cross Streets Identified

7202754-5 Page 4



101	KELVIN FEATHER DR DDS
102	WETZEL TYLER CHILD ADVOCACY
105	CLUB 105
112	ROSE, WANDA
113	THE MANE EVENT
115	DAVIS, MIKEL W
208	CITY OF PADEN
	PADEN CITY VOLUNTEER FIRE COMPANY
305	CHAPMAN, KAREN S
311	WILLIAMS, YOHO S
312	CONLEY, DONAVAN
314	GATIAN, RICHARD A
315	BARKER, BRAD W
400	MCMAHON, BROCK I
401	STROTHER, STEVEN M
405	KNISELY, TOMALA S
410	RICHARD, GRACIE V
411	RICHA, RD A
412	LOY, ALISHA
413	GEORGE, MARK
	MCINTYRE, MATTHEW
416	NICHOLSON, PEGGY F
417	YARON, THOMAS

101	KELVIN FEATHER DDS DR
102	WETZEL TYLER CHILD ADVOCACY
105	CLUB 105
111	LEHMAN, IVAN
113	MANE EVENT THE
115	DAVIS, MIKEL L
126	HARRIS, T F
201	OCCUPANT UNKNOWN,
208	CITY OF PADEN CITY
	PADEN CITY DEVELOPMENT AUTHORITY
	PADEN CITY OFFICES
302	FORRESTER, SHARON M
304	OCCUPANT UNKNOWN,
305	CHAPMAN, KAREN S
306	OCCUPANT UNKNOWN,
308	HEMELRICK, CHARLES E
311	WILLIAMS-YOHO, SHAUNA W
312	CONLEY, DONAVAN
314	GATIAN, RICHARD A
315	BARKER, BRAD W
400	MCMAHON, DEBRA K
401	OCCUPANT UNKNOWN,
	STROTHER, STEVEN M
404	SPRAGG, ROGER G
405	PARK, MATHEW G
410	RICHARD, DONALD E
412	BEAVER, SCOTT S
413	EDDY, P
	FERGUSON, ROGER L
	ROBERTS, KAREN
	TAYLOR, GENE C
416	NICHOLSON, PEGGY F
417	YARON, THOMAS

101	FEATHER KELVIN W DDS
107	SWEET PICKINS
111	LEHMAN, D
112	SNYDER, ROBERT P
113	MANE EVENT
	MEADS BARBER SHOP
115	BUTCHER, KEITH R
	DAVIS, MIKEL W
	GREATHOUSE, ROTH
126	HARRIS, T F
208	PADEN CITY POLICE DEPT
	PADEN CITY RECORDERS OFFICE
	PADEN CITY VOLUNTEER FIRE DEPT
213	US POST OFFICE
300	CARROLL, RUSSELL
301	SHANNON, TIM S
302	FORRESTER, STEVEN
304	PARKER, JOHN
305	CHAPMAN, KAREN S
306	YOST, JOHN E
308	HEMELRICK, CHARLES E
311	WILLIAMS, LESTER L
312	GATIAN, JAMIE L
314	KING, JAMES M
315	BARKER, BRAD W
400	MCMAHON, TROY A
401	STROTHER, STEVEN M
405	PARK, MATHEW G
410	RICHARD, DONALD E
411	ELLIOTT, EDWIN E
413	BAUMGARTNER, GEORGE E
	HURST, M
	TAYLOR, GENE C
416	NICHOLSON, RICHARD T
417	YARON, THOMAS
420	BEAVER, SCOTT S

400	OLIA OLII D. LIDVAL MD
102	SHASHI R URVAL MD
107	PASCOS II
111	LEHMAN, D
112	SNYDER, CLAY E
115	BIRK, REBECCA
	BRITTON, LARRY
	BUTCHER, K R
	DAVIS, MIKEL W
204	SEAGRAVE, MISTY
201	OCCUPANT UNKNOWN,
208	CITY OF PADEN CITY WASTEWATER TREATM
040	CITY OF PADEN CITY WASTEWATER TREATM
213	UNITED STATES POSTAL SERVICE
300 301	NELSON, JAMI SHANNON, TIM S
302	MYERS, WILLIAM
305	CHAPMAN, KAREN S
306	OCCUPANT UNKNOWN,
308	HEMELRICK, CHARLES
311	WILLIAMS, LESTER L
314	OCCUPANT UNKNOWN,
315	BARKER, BRAD W
400	MCMAHON, TROY A
401	OCCUPANT UNKNOWN,
101	STROTHER, STEVEN M
405	PARK, MATHEW G
410	OCCUPANT UNKNOWN,
411	ELLIOTT, EDWIN E
412	BEAVER, SCOTT F
413	ALLISON, CECIL E
	CECIL, P
	MOORE, BILLIE D
	TAYLOR, GENE C
416	NICHOLSON, RICHARD T
417	BURNSIDE, GARY D

101	FEATHER KELVIN W DDS
105	EL MORRO BREAKFAST HOUSE
106	GRUBB MICHAEL INSURANCE AGENCY
113	MANE EVENT
115	DAVIS, LISA
201	LINDAS ARMISH BULK FOOD
208	PADEN CITY EMERGENCY SQUAD AMBULANCE
	PADEN CITY EMERGENCY SQUAD BUSINESS OFFICE
	PADEN CITY OFFICES FIRE DEPARTMENT
	PADEN CITY OFFICES MAYORS OFFICE
	PADEN CITY OFFICES POLICE DEPARTMENT
	PADEN CITY OFFICES RECORDERS OFFICE
	PADEN CITY OFFICES SEWAGE PLANT
	PADEN CITY OFFICES WATER DEPARTMENT
213	UNITED STATES GOVERNMENT POSTAL SERVICE
301	SHANNON, TIM
306	OCCUPANT UNKNOWN,
308	OCCUPANT UNKNOWN,
311	OCCUPANT UNKNOWN,
312	OCCUPANT UNKNOWN,
314	GILBERT, JUNE B
315	BARKER, BRAD
400	ALEXANDER, DENNIS G
401	STROTHER, STEVEN
404	BURROW, MARANDA S
405	DUNCAN, LINDA J
410	RICHARD, DONALD E
411	ELLIOTT, EDWIN
412	BEAVER, SCOTT
416	NICHOLSON, RICHARD T
417	BURNSIDE, GARY

101	KELVIN W FEATHER DDS
104	BIDWELL, TIMOTHY M
106	CROASMUN, BART
	MILLERS PHARMACY
107	WILLIAMS, CHARLES E
113	MANE EVENT
201	SILK & SATIN BOUTIQUE
208	PADEN CITY EMERGENCY SQUAD
	PADEN CITY OFFICES
	PADEN FIRE DEPT
	PADEN POLICE DEPT
	PADEN RECORDERS OFFICE
	PADEN WATER DEPT
213	US POST OFFICE
301	OCCUPANT UNKNOWNN
308	YOST, DEWAYNE
310	BODY SHOP
	MOORE, SANDRA
311	WILLIAMS, LESTER L
314	GILBERT, BOWEN
315	SAPP, VICTOR D
400	ALEXANDER, DENNIS G
401	STROTHER, DAVID W
404	OCCUPANT UNKNOWNN
405	DUNCAN, LINDA J
411	STOKES, JAMES
412	OCCUPANT UNKNOWNN
413	HOWELL, RANDALL L
	STOCK, RON
	WALTON, REBECCA
416	NICHOLSON, RICHARD T
417	CLARK, JOHN D

301 Vacant

Source
POLK DIRECTORY CO

### **W MAIN ST** 1990

115 Vacant 3D AV BEGINS 201 Silk & Satin Boutique 337-9373 207 U S P O 337-8761 208 Paden City Municipal Bldg Paden City Atty Paden City Clk 337-8581 Paden City Council Paden City Fire Dept 337-2263 Paden City Emergency Squad 337-9311 Paden City Mayor 337-2281 Paden City Pk Comn Paden City Police Dept 337-2281 Paden City Pub Wks Comn Paden City Recorder 337-2295 2D AV BEGINS 300 Vacant

# **W MAIN ST** 1990

W	MA	IN	ST	(PC)	-Cont	d
---	----	----	----	------	-------	---

302 Vacant

305 Vacant

306 Main Street Laundromat

3061/2 Apartments

1★Williams Betty E

2 Vacant

3 Vacant

308★Snodgrass Patricia

318 Vacant

310 Downtown Athletic Club

**★**Parson Steve

311 Williams Lester L @ 337-8395

314 Vacant

315 Sapp Lizzie ⊚ 337-8712

1ST AV BEGINS

400 Alexander Dennis G **◎** 337-2797

401★Strother David W 337-8806

404 Laugh Rebecca @

405★Cross Steven G

410 Richard Donald E ◎ 337-2698

412 Paden City Kingdom Hall Of Jehovah's Witnesses

413 Apartments

1 Vacant

416 Nicholson Richd T ⊚ 337-2383

417 Clark John D @ 337-2349 Paden City Water Dept

1

MAPLE AV -FROM 203 COX ST NORTH 1 EAST OF

## **W MAIN ST** 1985

# 2D AV BEGINS 300 Paden City Chiropractic Center 337-8755 301★Mason Steve © 302 Myers R E 337-8895 305 Skelley Albert L ⊚ 337-9493 306 Main Street Laundromat 3061/2 Vacant 308 Jim's Home Remodeling 337-9376 318 Vacant 311 Williams Lester L © 337-8395 314 Vacant 315 Sapp Victor D @ 337-8712 1ST AV BEGINS 400 Alexander Dennis G @ 337-2797 401 Vacant 404 Woods Linda Mrs © 405 Fulks John K ◎ 337-9171 410 Richard Donald E ◎ 412 Paden City Kingdom Hall Of Jehovah's Witnesses 413 Apartments 1 Longwell James 2 Vacant 3★Daugherty Lynn 337-9201 4★Borsch Rebecca 5 Vacant 415 Vacant 416 Nicholson Richd T @ 337-2383 417 Clark John D @ 337-2349 Paden City Water Dept plant

Source POLK DIRECTORY CO

# **W MAIN ST** 1980

Paden City Recorder 337-2295 2D AV BEGINS

300 No Return

301 Shannon Ruth L Mrs ⊚ 337-8850

302★Myers Ruth E Mrs ⊚ 337-8895

305 Skelley Albert L @ 337-2394

306 Main Street Laundromat

306½ Vacant

308 Jim's Home Remodeling 337-9376

318 Antonio's Supper Club 337-9013

311 Williams Lester L @ 337-8395

312★Heffner Charles R ⊚

314★Keifer Kenneth E ⊚ 337-8163

W MAIN ST

1980

# W MAIN ST (PC)—Contd 315 Sapp Victor D ⊚ 337-8712 1ST AV BEGINS 400 Alexander Dennis G @ 401 Strother David W @ 337-8806 404 Woods Wm L @ 337-9373 405★Fulks John K © 337-9171 410 Richard Donald E ⊚ 411 Wilson Richd 412 Paden City Kingdom Hall Of Jehovah's Witnesses 413 Apartments 1 Hissom Clyde 337-8142 2 Vanduesen Ann 3 Vacant 4 Yagier Sharon 415 Vacant 416 Vacant 417 Clark John D @ 337-2349

Paden City Water Dept plant

1

### **W MAIN ST** 1977

W MAIN ST (PC)-Contd Paden City Police Dept 337-2281 Paden City Pub Wks Comn Paden City Recorder 337-2295 2D AV BEGINS 300 Johnson's New & Used **Furniture** 300a Myers Ruth E Mrs @ 337-8895 301 Shannon Ruth L Mrs @ 337-8850 305 Skelley Albert L @ 337-2394 306 Main Street Laundromat 3061/2 Vacant 310 Jim's Home Remodeling 337-9376 311 Williams Lester L @ 337-8395 312 Antonio's Supper Club 337-9013 315 Sapp Victor D @ 337-8712 1ST AV BEGINS 400 Alexander Dennis G @ 337-8507 401 Strother David W @ 337-8806 404 Woods Wm L @ 405 Vacant 410 Richard Donald E @ 411★Wilson Richd 412 Paden City Kingdom Hall Of Jehovah's Witnesses 413 Apartments 1★Hissom Clyde 337-8142 2★Vanduesen Ann 3 Vacant 4★Yagier Sharon 415 Vacant 416 No Return 417 Clark John D @ 337-2349 Paden City Water Dept plant

Source
POLK DIRECTORY CO

## **W MAIN ST** 1973

337-2263

2D AV BEGINS

300 Vacant

300a Myers Ruth E Mrs © 337-8895

301 Shannon Ruth L Mrs © 337-8850

305 Skelley Albert L @ 337-2394

306 Main Street Laundromat

306½ ★ Eastham Wayne F

310 Tony's Place beer

311 Williams Lester L @ 337-8395

312 Vacant

3121/2 Sterns Ruth Mrs

314 Keifer T V & Radio Repair 337-8163

314½ Keifer Kenneth E 337-8163

315 Sapp Victor D © 337-8712 1ST AV BEGINS

400 Alexander D Gary © 337-8507

401 Strother David W @ 337-8806

404 \* Woods Wm L @ 337-9371

405 Fulks Chester D @

410 Richard Donald E ◎ 337-9133

411 Mayfield Elmer R

412 Paden City Kingdom Hall Of Jehovah's Witnesses

413 Apartments

1 ★ Parsons Michl P 337-9061

2 \* Goddard Jolean

3 ★ Van Dusen Anna Mrs 337-9064

4 \* Boggs Conley D

415 ★ Thompson James E

416 Chambers Bernard L © 337-8517

417 Clark John D @ 337-2349
Paden City Water Dept plant

1

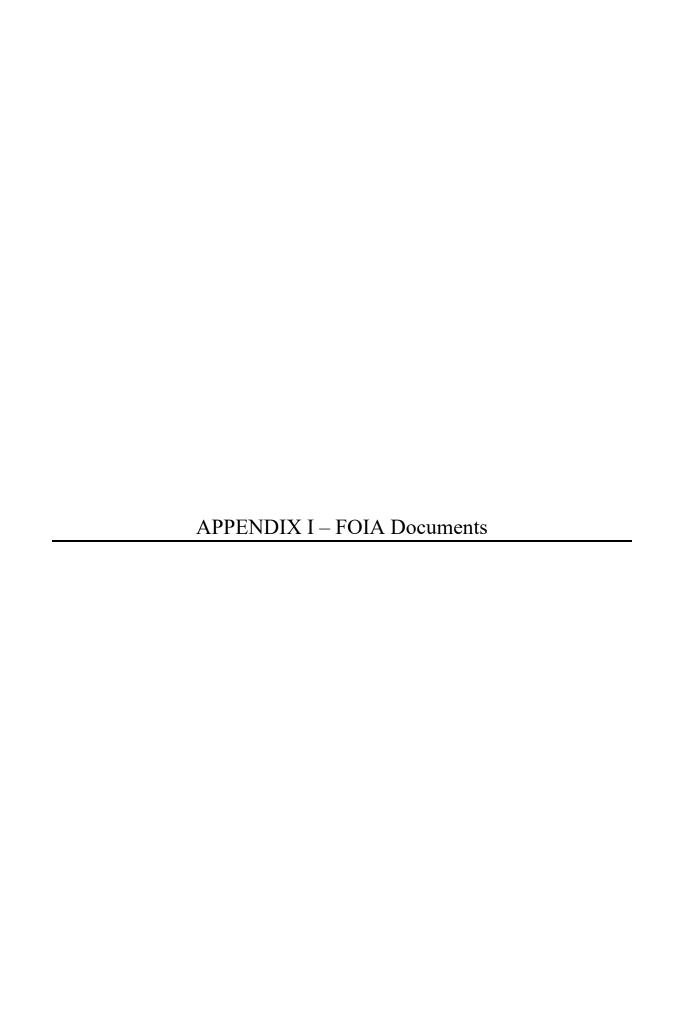
<u>Source</u> POLK DIRECTORY CO

## **W MAIN ST** 1969

BATSA ALBERT L --- 2D AV BEGINS 300 VACANT MYERS RUTH E MRS 337-8895 301 SHANNON'S RADIO SERVICE 337-8850 SHANNON PAUL I 337-8850 305 SKELLEY ALBERT L . 337-2394 310 MEEKS PLACE BEER 311 WILLIAMS LESTER L . 337-8395 312 OWLS CLUB THE 314 KEIFER T V & RADIO REPAIR 337-8426 314% KEIFER KENNETH E 337-8426 315 SAPP VICTOR D . 337-8712 --- 1ST AV BEGINS 400 ALEXANDER D GARY 337-8507 401 STROTHER DAVID W 337-8806 404 TEAGARDEN BERNARD L 337-8033 405 FULKS DARNELL C . 337-8022 410 RICHARD DONALD E 337-9133 411 MAYFIELD ELMER R 413 APARTMENTS BERDINE MARY MRS 337-9272 STEARNS RUTH MRS GOODWIN ARTH M 337-2667 415 VACANT 416 CHAMBERS BERNARD L . 337-2373 417 CLARK JOHN D 9 337-2349 PADEN CITY WATER DEPT PLANT

<u>Source</u> POLK DIRECTORY CO

A Section						
1	300a Myers Ruth E Mrs 337-8895					
	301 Shannon Paul I @ 337-8850					
1	Shannon's Radio Serv					
	337-8850					
14.0	304 Silver Star Bar tavern					
	304 Silver Star Bar tavern					
	Hendershot Ralph					
	Holmes Chester B					
	305 Skelly Albert 337-2394					
	308 Vacant					
7	310 Meeks Place beer					
	311 Starkey Paul @ 337-8803					
18.0	312 Owls Club The					
	314 Keifer TV & Radio Repr					
-						
5	337-8426					
	315 Sapp Victor D @ 337-8712					
	1st av begins					
100	400 Hertel Duane A 337-8202					
	401 Strother David W					
	337-8806					
1113	404 Taylor Essie M Mrs @ 337-8033					
	405 Fulks Darnell C @ 337-8022					
13773	410 Kimbell Henry					
	Sellers Paul					
2						
1	411 Mayfield Elmer R					
	413 Apartments					
1	1 Hayes Vincent T 337-8706					
12/2	2 Vacant					
7 18	3 Billiter Ronnie					
	4 Vacant					
0	Street continued					
237	416 Chambers Bernard L					
166	337-2373					
1936	417 Clark John D @ 337-2349					
72	City Water Dept (plant)					
1153	Smitty's Bait Shop 337-2749					
Park I	Silition S Balt Silop 301 2115					
1	—— S&S Boat Docks 337-2749					
re	1					
	are the same one of morth					



From: FOIA, DEP <depfoia@wv.gov>

Sent: Tuesday, December 13, 2022 11:47 AM

To: Daniel E. Brady
Subject: Re: FOIA Request

\*\*\* CAUTION: External E-mail !!!

#### Hello:

This letter is to acknowledge that the West Virginia Department of Environmental Protection's (DEP) Public Information Office received your Freedom of Information Act (FOIA) Request. Your request has been sent to the appropriate office(s) within our agency and you will be notified as to when you may review/copy/receive the requested information.

Information in agency files is available for public inspection. However, some material may be exempt from disclosure under the West Virginia Freedom of Information Act, Chapter 29B.

DEP also provides an informational service to the public. Visitors to the agency's website can subscribe to both a listing of permit actions open to public comment and updates on DEP news and events. To subscribe to these e-mail notifications, go to <a href="http://www.dep.wv.gov/insidedep/Pages/DEPMailingLists.aspx">http://www.dep.wv.gov/insidedep/Pages/DEPMailingLists.aspx</a>. Please submit all FOIAs to depfoia@wv.gov.

There is no charge to submit a FOIA request. If you need further assistance, please contact me at 304-926-0499 ext. 49720.

Regards,

WVDEP - Public Information Office

On Tue, Dec 13, 2022 at 11:38 AM < dep.online@wv.gov > wrote:

# **FOIA REQUEST FORM**

Name: Daniel Brady

Address1: 160 Association Dr

Address2:

City/State/ZIP: Charleston, WV 25311

Telephone Number:

3043437601

Email Address: dbrady@thethrashergroup.com

Date: 13-Dec-22, 11:38 AM

Request: Any environmental related documents for the following address: Paden City Sewage Plant 208 W

Main St Paden City, WV 26159

Timeframe:

FOR DEP use only:				
Referred to:				
Date referred:				

From: Ernest, Nicole D <nicole.d.ernest@wv.gov>
Sent: Monday, December 19, 2022 8:10 AM
To: Daniel E. Brady; Margaret A Porter

Cc: FOIA, DEP

**Subject:** Re: FOIA #2022-12-039

#### \*\*\* CAUTION: External E-mail !!!

#### Good morning,

From the information provided, a search of our database and TAGIS mapping (<a href="http://tagis.dep.wv.gov/air/">http://tagis.dep.wv.gov/air/</a>) did not return any air quality information for the requested site.

I have copied Meg Porter in our Asbestos Section. She will reply under a separate email.

#### Thank you.

#### Nicole Ernest

WV Department of Environmental Protection Division of Air Quality 601 57th Street Charleston, WV 25304 304-926-0499 x41256

#### On Tue, Dec 13, 2022 at 11:48 AM FOIA, DEP < depfoia@wv.gov > wrote:

Below, please find a FOIA request from Daniel Brady. Please contact the requester at dbrady@thethrashergroup.com as soon as possible but no later than Tuesday, December 20, 2022 to let them know whether or not you have the requested information and when they can view/copy/receive it. Please reference the above FOIA number and cc: DEPFOIA@wv.gov on the correspondence.

## Thank you!

----- Forwarded message -----

From: <dep.online@wv.gov>

Date: Tue, Dec 13, 2022 at 11:38 AM

Subject: FOIA Request To: <<u>depfoia@wv.gov</u>>

# **FOIA REQUEST FORM**

Name: Daniel Brady

Address1: 160 Association Dr

Address2:

City/State/ZIP: Charleston, WV 25311

Telephone Number:

3043437601

Email Address:	dbrady@thethrashergroup.com
Date:	13-Dec-22, 11:38 AM
Request:	Any environmental related documents for the following address: Paden City Sewage Plant 208 W Main St Paden City, WV 26159
Timeframe:	
For DEP use only:	
Referred to:	
Date referred:	

From: Porter, Margaret A <margaret.a.porter@wv.gov>
Sent: Wednesday, December 21, 2022 12:02 PM
To: Daniel E. Brady; Nicole D Ernest; DEP FOIA FOIA

Subject: FOIA 2022-12-039: Paden City Sewage Plant, 208 W. Main St., Paden City, WV

\*\*\* CAUTION: External E-mail !!!

# Good afternoon:

From the information provided, a search of our database for asbestos notifications shows that we have no asbestos notifications on file for the requested site.

If you have any questions, please let me know.

\_\_

Meg Porter DEP-DAQ Compliance and Enforcement 601 57th St., SE Charleston, WV 25304 304.926.0499, ext. 41292 margaret.a.porter@wv.gov

From: Brenner, Michelle R <michelle.r.brenner@wv.gov>

Sent: Tuesday, December 13, 2022 2:25 PM

**To:** Daniel E. Brady

Subject: Re: WV DEP FOIA Request 2022-12-039 for Paden City Sewage Plant

#### \*\*\* CAUTION: External E-mail !!!

# Thank you Mr. Brady. Other sections in our agency have received your request as well and you should be contacted if they have information.

On Tue, Dec 13, 2022 at 2:23 PM Daniel E. Brady <a href="mailto:shergeroup.com">dbrady@thethrashergroup.com</a> wrote:

Ms. Brenner,

I am conducting a Phase I ESA on the WWTP. Therefore, I do not need any plans or design specs for the facility but rather any records of violations or environmental issues associated with the facility. Thank you for asking me before bombarding me with information that I would have to sift through!

#### **Daniel Brady, MS**

Environmental Technician II | The Thrasher Group, Inc.

office: 304-343-7601 | 800-273-6541

mobile: 304-203-2449

300 Association Drive | Charleston, WV 25311

www.thethrashergroup.com

From: Brenner, Michelle R < michelle.r.brenner@wv.gov >

Sent: Tuesday, December 13, 2022 2:01 PM

To: Daniel E. Brady <a href="mailto:dbrady@thethrashergroup.com">dbrady@thethrashergroup.com</a>

Subject: WV DEP FOIA Request 2022-12-039 for Paden City Sewage Plant

\*\*\* CAUTION: External E-mail !!!

Mr. Brady,

I am with the WVDEP, DWWM, Clean Water State Revolving Fund. I am contacting you regarding your records request for the Paden City Sewage Plant. The records we have are usually large plans, etc. so before pulling anything out I wanted to see exactly what you are looking for? Is there something specific?

Thank you!

--

**Michelle Brenner** 

**Administrative Services Assistant** 

**WVDEP-Clean Water SRF** 

601 57th Street, SE

Charleston, WV 25309

(304) 926-0499 Ext. 43881

Michelle.R.Brenner@wv.gov

--

**Michelle Brenner** 

**Administrative Services Assistant** 

**WVDEP-Clean Water SRF** 

601 57th Street, SE

Charleston, WV 25309

(304) 926-0499 Ext. 43881

Michelle.R.Brenner@wv.gov



#### west virginia department of environmental protection

WV Department of Environmental Protection 2031 Pleasant Valley Road Fairmont, WV 26554 (304) 368-3960 Harold D. Ward, Cabinet Secretary dep.wv.gov

**TO:** Daniel Brady

FROM: Amy Cosco

**DATE:** December 16, 2022

**FOIA # FOIA Request #2022-12-039** 

SUBJ: Paden City Sewage Plant 208 W Main Street, Paden City, WV 26159

Dear Requestor,

Based on the request you have provided Environmental Enforcement; I would like to direct your attention to DEP's public FOIA website at <a href="www.dep.wv.gov">www.dep.wv.gov</a> which may contain records you are requesting. There is one WV/NPDES permit located near your requested location. The permit number is WV0020613.

You may also be hearing from other offices within the agency soon.

Thank you,

Amy Cosco Office Administrator III WV DEP – EE/WW Fairmont Office

cc: DEP FOIA (via e-mail) Helen Ford, DEP (via e-mail)

# **DEP FOIA Website**

- www.dep.wv.gov
- Select "Data" on the top right-hand side
- Under "Quick Links" select Application Xtender
- Enter Username and Password: **DEP** (All Caps)
- Choose "**Permits**" (*Left Hand Side of Screen*) Permit # (*type permit* #)
- Select + sign and choose "New Query" (Right Hand Side of Screen)
- Primary ID: Enter the Permit # (Located in Memo Subj: Line)
- Select "Run"

From: Houston, Pamela S <pamela.s.houston@wv.gov>

Sent: Friday, December 16, 2022 3:16 PM

To: Daniel E. Brady; DEP FOIA

**Subject:** FOIA 2022-12-039

**Attachments:** DEP DWWM AX Access.pdf

#### \*\*\* CAUTION: External E-mail !!!

#### Daniel.

I am with the permits section of Water and Waste. The information we have available would be accessible online. I have enclosed instructions for both sites. Where you may find this information. To view electronically submitted applications and discharge monitoring reports for our facilities please follow the instructions below.

### Go to www.dep.wv.gov

Under Permits choose: QUICK LINKS: ESS Public Query

Here you will type in the first name of the facility you are looking for under the Identify Applicant.

The permit numbers for Paden City Sewage is WV0020613. Hope this helps.



#### west virginia department of environmental protection

Environmental Enforcement 2031 Pleasant Valley Road, Suite #1 Fairmont, WV 26554 Telephone: (304) 368-3960 Fax: (304) 368-3953 Harold D. Ward, Cabinet Secretary www.wvdep.org

September 19, 2022

City of Paden City Attn: Stephen Kastigar, Mayor 208 W. Main Street, P.O. Box 211 Paden City, WV 26159

# CERTIFIED RETURN RECEIPT REQUESTED 7020 2450 0000 2534 2862

# **NOTICE OF VIOLATION**

#### RE: W22-52-034-JDM

Dear Mayor Kastigar:

On August 18, 2022, West Virginia Department of Environmental Protection (WVDEP) personnel conducted a non-comprehensive inspection at the wastewater treatment facility for the City of Paden City (WV0020613) located in Paden City, WV. During this inspection, the following WV/NPDES Permit violations were observed and documented:

A. Permit Section A. – Discharge Limitations and Monitoring Requirements – Twenty-two (22) exceedances of the prescribed effluent limitations were noted within the records review period (January 2020 through July 2022).

To address these violations, you are requested to respond, in writing, within twenty (20) working days of receipt of this Notice of Violation. This response should include remedial measures that will fully abate the above-mentioned violation. Please direct this response to James McClain, at WVDEP, Environmental Enforcement, 2031 Pleasant Valley Road, Fairmont, WV

26554. Should you have any questions or comments, you may contact me at (304) 368-3960 between the hours of 8:00 a.m. and 4:00 p.m., Monday through Friday. Be advised that violation(s) of your WV/NPDES Permit, Legislative Rules and/or the WV Code may result in enforcement action(s) being initiated by WVDEP.

Respectfully,

James McClain Environmental Inspector

Jns D. Me Clin

cc: Tonya Mather, Environmental Inspector Supervisor, EE/WW (via e-mail)

Revised 12/2015



October 18, 2022

Dear Amy Cosco:

The following is in response to your request for proof of delivery on your item with the tracking number: **7020 2450 0000 2534 2862**.

#### Item Details

Status:

Delivered, Individual Picked Up at Post Office

Status Date / Time:

September 23, 2022, 9:46 am

Location:

PADEN CITY, WV 26159

**Postal Product:** 

First-Class Mail® Certified Mail™

**Extra Services:** 

Return Receipt Electronic

**Shipment Details** 

Weight:

5.0oz

**Destination Delivery Address** 

Street Address:

208 W MAIN ST

City, State ZIP Code:

PADEN CITY, WV 26159-1428

Recipient Signature

Signature of Recipient:

Krommy

Dipow Warnst

208 W MAIN ST

Address of Recipient:

PADEN CITY, WV 28159-1428

Note: Scanned image may reflect a different destination address due to Intended Recipient's delivery instructions on file.

Thank you for selecting the United States Postal assistance, please contact your local Post Office ru

Sincerely, United States Postal Service® 475 L'Enfant Plaza SW Washington, D.C. 20260-0004



#### **Daniel E. Brady**

From: Henson, Jessica A < jessica.a.henson@wv.gov>

Sent: Tuesday, December 13, 2022 1:02 PM

To: Daniel E. Brady
Cc: FOIA, DEP

**Subject:** Re: FOIA #2022-12-039

#### \*\*\* CAUTION: External E-mail !!!

In response to your FOIA request, the Office of Environmental Remediation has no records on the requested site with the information provided.

This response is from the Office of Environmental Remediation <u>only</u>. Please be advised that <u>there may be</u> <u>files from other DEP offices</u> that are applicable to your request and you may be getting other responses.

Thanks, Jessica WVDEP 601 57th Street, SE Charleston, WV 25304

(304) 414-1920

On Tue, Dec 13, 2022 at 11:48 AM FOIA, DEP <depfoia@wv.gov> wrote:

Below, please find a FOIA request from Daniel Brady. Please contact the requester at dbrady@thethrashergroup.com as soon as possible but no later than Tuesday, December 20, 2022 to let them know whether or not you have the requested information and when they can view/copy/receive it. Please reference the above FOIA number and cc: DEPFOIA@wv.gov on the correspondence.

#### Thank you!

----- Forwarded message -----

From: <dep.online@wv.gov>

Date: Tue, Dec 13, 2022 at 11:38 AM

Subject: FOIA Request To: <<u>depfoia@wv.gov</u>>

#### **FOIA REQUEST FORM**

Name: Daniel Brady
Address1: 160 Association Dr

Address2:	
City/State/ZIP:	Charleston, WV 25311
Telephone Number:	3043437601
Email Address:	dbrady@thethrashergroup.com
Date:	13-Dec-22, 11:38 AM
Request:	Any environmental related documents for the following address: Paden City Sewage Plant 208 W Main St Paden City, WV 26159
Timeframe:	
For DEP use on	aly:
Referred to:	

Date referred:

#### **Daniel E. Brady**

From: McGee, James L <james.l.mcgee@wv.gov>
Sent: Tuesday, December 13, 2022 12:11 PM

To: Daniel E. Brady
Cc: DEP FOIA

**Subject:** FOIA Request 2022-12-039

**Attachments:** AST&UST Appx instructions for public.pdf

#### \*\*\* CAUTION: External E-mail !!!

You may now use the online reports to find your property, use the facility ID and go to our new online database to find all the reports you may need.

If you already know your facility ID you may go directly to the Application Xtender database <a href="http://documents.dep.wv.gov/appxtender">http://documents.dep.wv.gov/appxtender</a> and follow the directions attached. To obtain facility ID or to search for a facility go to the reports page: <a href="https://apps.dep.wv.gov/tanks/public/Reports.aspx">https://apps.dep.wv.gov/tanks/public/Reports.aspx</a> you can choose from Above Ground Storage Tanks (AST) or Underground Storage Tanks (UST), once you open the report you can search the excel spreadsheet or the PDF for the property address, county etc.

Once you find your property use the Facility ID to search the online database for all of the reports you need. I have attached the directions on how to obtain your reports. If you have any further questions please let me know.

--

James McGee, Secretary 2-Tanks Unit

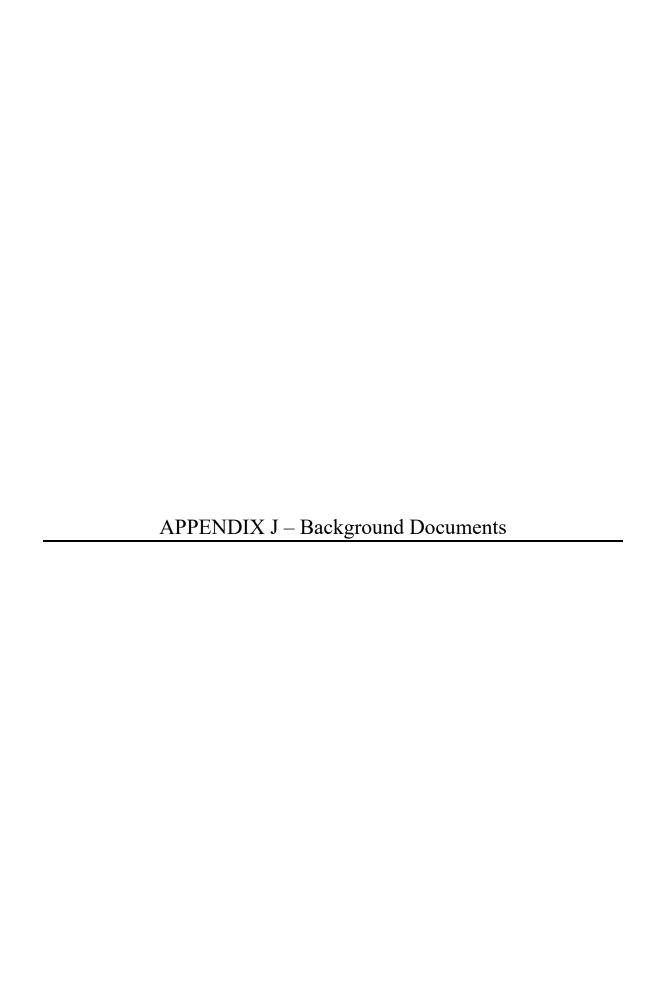
WV DEP - DWWM - Environmental Enforcement

1159 Nick Rahall Greenway

Fayetteville, WV 25840

304-900-0316

James.L.McGee@wv.gov



	<b>4</b> :	
LEAK NO.	95-180	
FACILITY ID	4805509	
(SITE) NAME	Pantry Stre #9	
(SITE) STREET	320 S. Fourth St.	
(SITE) CITY	Paden City	
(SITE) COUNTY	Tyler	
		•

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Leak ID: <u>0(5 - 180</u> wy ID: <u>4.50 55.04</u>



White - Owner Green - Operator Canary - Field Office Pink - Charleston

WV Division of Environmental Protection Office of Waste Management Underground Storage Tank Section

## REVIEW OF CONFIRMED RELEASE REPORT

1356 Hansford Street Charleston, WV 25301-1409 304-558-6371

1: FACILITY INFORMA	TION
Owner: 14 Cantay of Tor Matthews 30 3 10 14 Me Operate	r of Lemmit Zewie / Ebth King
Address: VOEXYIDE Address	
City: State: LU Zip: 26302-1/36City:	State: Zip:
Phone: ( ) 674-4600 Phone:	( )
LOCATION OF TANKS:	
Facility Name: Taxol For Sig 7/9 City:	ia las City
Street Address: 320 50. Joseph St. County: Tyle	Phone: ( ) NSME
TO THE TANK OWNER AND OPERATOR:  Whereas, a review of the information provided regarding site characterist the above-referenced facility in compliance with the CONFIRMED RELEASE - I	, 34
of <u>Criokk</u> , 19 <u>95</u> , has been completed.	
UPON REVIEW, the investigation was found to be:	. tota
Complete Incomplete	mplete
concentration of dissolved product contamination in the ground Continue investigation to determine the full lateral and vertical e Continue investigation to determine the presence and concentra Submit a Corrective Action Plan to respond to contaminated so No further action required at this time.	xtent and magnitude of soil contamination. tion of dissolved product contamination in the groundwater. I and groundwater found by the completed investigation.
Any Additional Investigation Report or Corrective Action Plan checked above Field Office not later than the day of, 19	
WVDEP, Office of Waste Management-UST Section	
NOTE	All reports/plans must reference the Leak I.D.
WV and W	V I.D.
Tel. No	
WARNING	
If you are the owner and/or operator and you fail to accomplish the above may issue an Administrative Order and/or may commence a Civil Action in the in accordance with West Virginia Code, Chapter 20-5H-15 and you may be lie	Circuit Court, including a temporary or permanent injunction
Service Accepted and Ack	nowledged:
Inspector's Signature:	Date: 20 166 97 Time: 200
Contact Person's Signature:	Date: Time:

FACILITY ID# 4805509 LEAK ID# 95-180 INVESTIGATOR DCJ
OWNER NAME Matthows Brothers Wholesa OWNER ADDRESS PO Box 1186
SITE LOCATION Pautry Store #9 (ACTUAL PHYSICAL ADDRESS)  320 S 4th Street
SITE CODE Paden City.  (40) CONFIRMED RELEASE (DATE) 10-31-95 CLOSURE BO. C-4840-95
(10) CLEANUP INITIATED (DATE) $\frac{10-17-95}{}$
(20) CLEANUP UNDER CONTROL (DATE) 10-17-95
(52) EMERGENCY RESPONSE (DESCRIBE)
(55) FREE PRODUCT DISCOVERED YES NO
(56) SOIL CONTAMINATION YES NO
(57) GROUNDWATER CONTAMINATION YES NO
(58) DRINKING WATER SOURCE YES NO
(59) VAPORS IN CONFINED SPACES YES NO
RIORITY CODE 1, 2, OF 3 (1-IS HIGHEST) CIRCLE ONE
CORRESPONDENCE CODE (11) 20-DAY REPORT (280.62) REQUIRED YES NO
(12) 45-DAY REPORT (280.63) REQUIRED YES NO
(12A) FREE PRODUCT REPORT (280.64) REQUIRED YES NO
(13) (18) *DOES A .65/.66 LETTER NEED TO BE ISSUED? YESNOT YET KNOWN
*WHICH ONE OR COMBINATION OF THE 4 REASONS 280.65(A)(1-4) SHOULD BE CITED AS JUSTIFICATION FOR ISSUING THE LETTER? 1 2 3 4
LEAK INFORMATION TYPE OF FACILITY  Gas Station
TYPE PRODUCT <u>Gas</u> est. quantity lost <u>Unk</u>
OPERATOR'S NAME Lenord Tinney OPERATOR'S ADDRESS OWER address
operator's address <u>ower address</u>
JATE: 10-31-95 COMPLETED BY: Margie
COPY DISTRIBUTION: DATA ENTRY/FILE (MARGIE)  DISTRICT INSPECTOR  DISTRICT SUPERVISOR

GEOLOGIST (IF .65 REQUIRED)



The Pantry Store, Inc. P.O. Drawer 110 Clarksburg, West Virginia 26302-0110 304+624+4000

February 22, 1996

TO

WV Division of Environmental Protection Office of Waste Management - UST Section 2311 Ohio Avenue Parkersburg, WV 26101

Atto:

Mr. Don Jackson

Re:

Tank Closure Report Pantry Store #9 320 South Main Street Paden City, WV

CLOSURE # C4840-95, WV ID # 4805509, LEAK ID # 95-180

Dear Mr. Jackson:

As per our previous conversation, you had expressed concern that a sample collected on the southern sidewall of the excavation had elevated analytical results above action levels. While we were excavating in this southern portion of the excavation. I was concerned that clean up was going beyond a reasonable area to excavate and a sample was collected to document existing soil conditions. After the sample was collected, I had Bosley run a trench into the sidewall in attempt of defining the extent of contamination. Two feet into the sidewall, field screening results dropped to background levels. This area was removed until no field screening results were above background levels. The original sample collected (Grab #1, South wall near Dominos) was sent to Reliance labs (under separate chain of custody) for analysis to document condition of soil removed from the site and stockpiled for landfarming. Results from this Grab #1 sample indicated high levels of volatile and semi-volatile organic compounds. These results along with a lead analysis run on the sample aided in establishing that a previous UST system stored possibly diesel/kerosene and leaded fuel at some point. The Pantry Store only sold three grades of unleaded fuel. The second sample, which was collected when field screening instrument background levels were recorded, was composited with the other three sidewall samples and sent to the lab for analysis. Results indicated not detectable levels for TPH- DRO and TPH-GRO. Total BTEX results were below actions levels. Upon completion, all contaminated soil was removed from the site.

Attached, I have resubmitted the original cover letter dated December 5, 1995, with information that I have discussed above. I hope this letter better explains events that occurred during the soil removal portion of the tank closure for the above referenced site.

Should you have any questions or require additional information, please do not hesitate to contact me at (304) 624-4000.

Sincere

Robert H. Helindan

**Environmental** - Operations Manager



The Pantry Store, Inc. P.O. Drawer 110 Clarksburg, West Virginia 26302-0110 304-624-4000

December 5, 1995

WV Division of Environmental Protection
Office of Waste Management - UST Section
2311 Ohio Avenue
Parkersburg, WV 26101

Attn:

Mr. Don Jackson

Re:

Tank Closure Report Pantry Store #9 320 South Main Street Paden City, WV

FROM

CLOSURE # C4840-95, WV ID # 4805509, LEAK ID # 95-180

Dear Mr. Jackson:

Enclosed please find a tank closure report for the above referenced site.

In October of 1995, The Pantry Store, Inc. removed three underground storage tanks (UST's), the pump island and all ancillary equipment. While removing the UST's, a seam of hydrocarbon impacted soil was encountered on the west sidewall of the excavation. This seam was approximately 6 feet thick (from 12 to 18 feet below grade). An attempt to remove this zone of contamination resulted in excavating an area from the west side of the tank cavity to the nump island. There was no indication that a release occurred from the tanks, lines or pumps. A grab sample of the contaminated soil was collected and analyzed for BTEX, TPH-GRO, TPH-DRO, and Total Lead (Lab analysis attached). The TPH-DRO results indicated elevated levels of semi-volatile compounds. The Pantry Store only stored gasoline and never any diesel or kerosene. These results along with reconciliation reports determined that the release was a result of a previous UST system. After this sample was collected, Bosley ran a trench perpendicular to the area that had contamination into the sidewall in attempt of defining the extent of contamination. Two feet into the sidewall, field screening results dropped to background levels. This area was removed until no field screening results were above background levels. The original sample collected (Grab #1. South wall near Dominos) was sent to Reliance labs (under separate chain of custody) for analysis to document condition of soil removed from the site and stockpiled for landfarming. The second sample, which was collected when field screening instrument background levels were recorded, was composited with the other three sidewall samples and sent to the lab for analysis

Upon removal of all contaminated soil, composite soil samples were collected. Total BTEX results ranged from 1.047 mg/Kg underneath Tank #3 to 1.636 mg/Kg for the sidewall composite sample. The TPHV results ranged from 9.65 mg/Kg from underneath Tank #1 to 22.0 mg/Kg underneath Tank #3. The TPHS results were all not detected (ND 0.35) mg/Kg.

Based on the above stated information, The Pantry Store, Inc. requests that the site be considered as a clean closure and that no further action be required. The site is currently leased by The Pantry Store and terminates pending closure. Your quick response to this request would be greatly appreciated.



The Pantry Store, Inc.
P.O. Drawer 110
Clarksburg, West Virginia 26302-0110
304•624•4000

December 5, 1995

WV Division of Environmental Protection Office of Waste Management - UST Section 2311 Ohio Avenue Parkersburg, WV 26101

Attn:

Mr. Don Jackson

Re:

Tank Closure Report Pantry Store #9 320 South Main Street Paden City, WV

CLOSURE # C4840-95, WV ID # 4805509, LEAK ID # 95-180

Dear Mr. Jackson:

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Upon removal of all contaminated soil, composite soil samples were collected. Total BTEX results ranged from 1.047 mg/Kg underneath Tank #3 to 1.636 mg/Kg for the sidewall composite sample. The TPHV results ranged from 9.65 mg/Kg from underneath Tank #1 to 22.0 mg/Kg underneath Tank #3. The TPHS results were all not detected (ND 0.35) mg/Kg.

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Should you have any questions or require additional information, please do not hesitate to contact me at (304) 624-4000.

Sincere

Robert H. Hellman

**Environmental - Operations Manager** 

enclosures: two copies of tank closure report

#### **∠CE LABORATORIES, INC.**

#### RELIANCE ANALYTICAL SERVICES, INC.

**ENVIRONMENTAL ANALYSTS** 

¿OX 625 ¿ENEDUM INDUSTRIAL PARK ROAD AIDGEPORT, WV 26330-0625 304/842-5285 FAX 304/842-5351

ONE EAGLE PLAZA, SUITE I HEDGESVILLE, WV 25427 PHONE/FAX 304/754-7360

10/26/95

#### **MATTHEWS BROTHERS WHOLESALE**

Bosh

P.O. Box 1186 Clarksburg, WV 26302-1186

Sample I.D.: GRAB #1 SOUTH WALL TOWARD DOMINOES

PANTRY STORE #9, PADEN CITY

Lab. Number: 95123-95-S

PARAMETER/METHOD	VALUE	UNITS	DATE ANALYZED	ANALYST
Benzene * SW846/Method 8020	3.90	mg/kg	10/24/95	TI/BP
Toluene * SW846/Method 8020	35.6	mg/kg	10/24/95	TI/BP
Ethylbenzene * SW846/Method 8020	30.7	mg/kg	10/24/95	TI/BP
<pre>Xylene *   SW846/Method 8020</pre>	53.7	mg/kg	10/24/95	TI/BP
	\			
T.Petroleum Hydrocarbon *Gasoline Range(GRO) SW846/8015(Mod)	4608	mg/kg	10/24/95	TI/BP
*Diesel Range(DRO) SW846/8015(Mod)	6175	mg/kg	10/25/95	TI/BP

<<< 95123

Date Sampled: 10/20/95

Sample Submitted By: ROBERT H. HELLMAN

Date Sample Received: 10/20/95 17:00

ND = Not Detected

APPROVAL

William F. Kirk, Jr.

\* TEST METHODS FOR EVALUATING SOLID WASTE, SW-846, 3rd Edition

Stockpus Ki

ANCE LABORATORIES, INC.

#### RELIANCE ANALYTICAL SERVICES, INC.

**ENVIRONMENTAL ANALYSTS** 

j. BOX 625 ,0 BENEDUM INDUSTRIAL PARK ROAD BRIDGEPORT, WV 26330-0625 304/842-5285 FAX 304/842-5351

ONE EAGLE PLAZA, SUITE I HEDGESVILLE, WV 25427 PHONE/FAX 304/754-7360

11/8/95



#### MATTHEWS BROTHERS WHOLESALE

P.O. Box 1186 Clarksburg, WV 26302-1186

Sample I.D.: GRAB #1 SOUTHWALL TOWARD DOMINOS

PANTRY STORE #9, PADEN CITY

Lab. Number: 95123-95-S

PARAMETER/METHOD	VALUE	UNITS	DATE ANALYZED	ANALYST
Total Lead EPA 239.1/200.7	*16.5	mg/kg	11/7/95	BS BS
Percent Solids	85.6	8	11/6/95	BS

<<< 95123

Date Sampled: 10/20/95

Sample Submitted By: ROBERT HELLMAN Date Sample Received: 10/20/95 17:00

ND = Not Detected

**APPROVAL** 

William F. Kirk, Jr.

\* TEST METHODS FOR EVALUATING SOLID WASTE, SW-846, 3rd Edition

\*DRY WEIGHT BASIS



The Pantry Store, Inc.
P.O. Drawer 110
Clarksburg, West Virginia 26302-0110
304•624•4000

February 19, 1997

WV Division of Environmental Protection Office of Waste Mgmt. - UST Section 2311 Ohio Avenue Parkersburg, WV 26101 Attn: Don Jackson

Dear Don:

Please find attached copies of test results on contaminated soil stock piled at Middlebourn, WV from Pantry Store No. 9, Paden City, WV.

Please review for closure on this site.

Sincerely,

Leonard Tenney Maintenance Supervisor

Enclosure 3

## ČE LABORATORIES, INC.

**ENVIRONMENTAL ANALYSTS** 

OUM INDUSTRIAL PARK ROAD PORT, WV 26330-0625 2-5285 FAX 304/842-5351 ONE EAGLE PLAZA, SUITE I HEDGESVILLE, WV 25427 PHONE/FAX 304/754-7360

2/4/97

#### MATTHEWS BROTHERS WHOLESALE

P.O. Box 1186

DClarksburg, WV 26302-1186

Sample I.D.: SAMPLE A

PS #9

Lab. Number: 14322-97-S

PARAMETER	VALUE	UNITS	METHOD	MDL	DATE ANALYZED	ANALYST
Benzene *	ND	mg/kg	EPA 8020	0.024	1/23/97	T.Ice
Toluene *	0.212	mg/kg	EPA 8020	0.044	1/23/97	T.Ice
Ethylbenzene *	0.685	mg/kg	EPA 8020	0.055	1/23/97	T.Ice
Xylene *	2.09	mg/kg	EPA 8020	0.114	1/23/97	T.Ice

Date Sampled: 1/10/97 10:00 Sample Submitted By: R.HELLMAN

Date Sample Received: 1/17/97 15:05

ND = Not Detected at MDL(method detection limit)

APPROVAL

William F. Kirk, Jr.

\* TEST METHODS FOR EVALUATING SOLID WASTE, SW-846, 3rd Edition

### ČE LABORATORIES, INC.

**ENVIRONMENTAL ANALYSTS** 

DUM INDUSTRIAL PARK ROAD PORT, WV 26330-0625 42-5285 FAX 304/842-5351 ONE EAGLE PLAZA, SUITE I HEDGESVILLE, WV 25427 PHONE/FAX 304/754-7360

2/4/97

### **MATTHEWS BROTHERS WHOLESALE**

P.O. Box 1186 Clarksburg, WV 26302-1186

Sample I.D.: SAMPLE B

PS #9

Lab. Number: 14323-97-S

PARAMETER	VALUE	UNITS	METHOD	MDL	DATE ANALYZED	Analyst
Benzene * Toluene * Ethylbenzene * Xylene *	ND ND ND ND	mg/kg mg/kg mg/kg mg/kg	EPA 8020 EPA 8020 EPA 8020	0.044 0.055	1/23/97 1/23/97 1/23/97 1/23/97	T.Ice T.Ice T.Ice T.Ice

Date Sampled: 1/10/97 10:30 sample Submitted By: R.HELLMAN

Date Sample Received: 1/17/97 15:05

ND = Not Detected at MDL (method detection limit)

APPROVAL

William F. Kirk, Jr.

\* TEST METHODS FOR EVALUATING SOLID WASTE, SW-846, 3rd Edition

Leak ID: 450 5509

WV Division of Environmental Protection

Office of Waste Management

**Underground Storage Tank Section** 



## CONFIRMED RELEASE NOTICE TO COMPLY

White - Owner Green - Operator Canary - Field Office

Pink - Charleston
Goldenrod - Enforcement Section

1356 Hansford Street Charleston, WV 25301-1409 304-558-6371

1. FACILITY INFORMATION						
Owner: MAHLEUS Bros Wolfesules	Operator: LEDTA ( TAMINES - CELTATE) Address:					
City: Clark Sug State: $UU$ Zip: $26332$ Phone: ( ) $624 - 7601$	City: State: <b>Zip</b> :					
LOCATION OF TANKS:  Facility Name: faulty 5 (the #7  Street Address: 30 5 . Food (c. 5+ County:	City: Palace Coty Tylas Phone: ( )					
must perform the following initial response action within 24 hours.  1. Remove as much of the regulated substance from the UST sys  2. Check adjacent structures to identify fire, explosion, and vapor	at existing monitoring points (nearby streams, sumps, sewers, ditches; ite) and report the result to the WVDEP. spread of the contamination (280.64a-d).					
REPORT DUE: (date).						
THE OWNER/OPERATOR must comply with following requirement A. [ 1] The owner/operator must conduct an Initial Site Character REPORT DUE: 15 20 (date).	ts if checked. terization (280.63a-b).					
	port to determine the full extent and location of soils contaminated by olved product contamination in the ground water (280.65a-b).					
DUE TO: [40CFR 280	.65(a) <u>1., 2., 3., 4.</u> (circle).]					
Send original and one (1) copy of Report to:	en Julian NUDEP-UST					
Office of Waste Management-UST Section Tel. No.	420-4635					
NOTE: All	remorts/plans must reference the Lock LD and MARRO					

#### **WARNING**

If you are the owner and/or operator and you fail to accomplish the above-described measures within the time specified, the Director may issue an Administrative Order and/or may commence a Civil Action in the Circuit Court, including a temporary or permanent injunction in accordance with West Virginia Code, Chapter 20-5H-15 and you may be liable for a civil penalty in accordance with Chapter 20-5H-16.

Service Accepted and Acknowledged:

Inspector's Signature:  Contact Person's Signature:	Date: 310495 Date: 16 Nov 95	Time: //
· ·		

Environmental Insurance Management, Inc.

1063 Technology Park Drive, Glen Allen, VA 23060 (804) 261-7000 • Fax (804) 261-7093

October 31, 1995

Mr. Leonard Tenney Matthews Brothers Wholesale, Inc. P.O. Box 1186 Clarksburg, WV 26301

RE: West Virginia Petroleum Insurance Fund Claim: Pantry Store #9, Paden City Policy Number UT99999995

Dear Mr. Tenney:

This letter is to acknowledge receipt of a claim against the West Virginia Petroleum UST Insurance Fund at the referenced site. On October 23, you called the claim-reporting Hot Line to report that tanks had been removed at the Paden City location and that soil contamination was present. You indicated that the cleanup had been completed.

Front Royal Environmental Insurance Management, Inc. (FREIM) recently took over claim handling from the WV Board of Risk. I will be serving as claim adjustor on this claim. All questions and correspondence should be directed to me at the following address:

Joseph Glassman 512 N. Oakland St. Arlington, VA 22203 Phone/Fax: 703-247-5429 Mr. Leonard Tenney October 31, 1995 page 2

Although you indicated that the cleanup was completed, in the event that any further action might be required, I would like to remind you of Section VI of Pantry Stores' policy with the Fund which states:

No Insureds will, except at their own expense, voluntarily make a payment, assume any obligation, or incur any Cost, without the Fund's consent.

As claim adjustor, I will work with you to obtain the Fund's consent. Following our conversation today, I will be inspecting the site on November 6. Please feel free to contact me if you have any questions.

Sincerely,

Joseph Glassman Independent Adjustor

cc: Gil Sattler, WVDEP

FACILITY ID# 4805509 LEAK ID# 95-180 INVESTIGATOR DCJ
OWNER NAME Matthews Brothers Wholesale OWNER ADDRESS PO Box 1186
SITE LOCATION Vantry Store #9 (ACTUAL PHYSICAL ADDRESS)  320 C 4th Street
SITE CODE Paden City.  (40) CONFIRMED RELEASE (DATE) 10-31-95 CLOSURE NO. C-4840-95
(10) CLEANUP INITIATED (DATE) 10-17-95
(20) CLEANUP UNDER CONTROL (DATE) 10-79-95
(52) EMERGENCY RESPONSE (DESCRIBE)
(55) FREE PRODUCT DISCOVERED YES NO
(56) SOIL CONTAMINATION YES NO
(57) GROUNDWATER CONTAMINATION YES NO
(58) DRINKING WATER SOURCE YES NO
(59) VAPORS IN CONFINED SPACES YES NO
RIORITY CODE 1, 2, OR 3 (1-IS HIGHEST) CIRCLE ONE
CORRESPONDENCE CODE (11) 20-DAY REPORT (280.62) REQUIRED YES NO
(12) 45-DAY REPORT (280.63) REQUIRED YES NO
(12A) FREE PRODUCT REPORT (280.64) REQUIRED YES NO
(13) (18) *DOES A .65/.66 LETTER NEED TO BE ISSUED? YESNO NOT YET KNOWN
*WHICH ONE OR COMBINATION OF THE 4 REASONS 280.65(A)(1-4) SHOULD BE CITED AS JUSTIFICATION FOR ISSUING THE LETTER? 1 2 3 4
LEAK INFORMATION TYPE OF FACILITY  Gas Station
TYPE PRODUCT GGS EST. QUANTITY LOST UNK
OPERATOR'S NAME Lenord Tinney
OPERATOR'S ADDRESS OWER address
) ATE: 10-31-95 COMPLETED BY: Margie
COPY DISTRIBUTION: DATA ENTRY/FILE (MARGIE)  DISTRICT INSPECTOR  DISTRICT SUPERVISOR  GEOLOGIST (IF .65 REQUIRED)

Leak ID: _	95-130	
WV ID:	440 5509	



White-Owner
Green - Operator
NOV 28 19 Ganary - Field Office
Phik - Charleston
Goldenrod - Enforcement Section

WV Division of Environmental Protection Office of Waste Management Underground Storage Tank Section

Inspector's Signature:

Contact Person's Signature:

## CONFIRMED RELEASE THER OF WASTE MAMAGE 356 Mansford Street 037 SAUTION Charleston, WV 25301-1409 NOTICE TO COMPLY SAUSSION, WV 25301-14-304-558-6371

Underground Storage Fank Section	NOTICE TO	COMPL	1 ax = F3	TON, WY SE	304-58	8-6371
1.	FACILITY INF	ORMATIO	V			
Owner: Marily Bus lavide  Address: 156  City: State: 2 Zip	26332	Operator: Address: City:	Goed (	State:	Zip:-	
Phone: ( ) 624 - 1601  LOCATION OF TANKS:		Phone: (	)			
Facility Name:  Street Address:	County:	City:	falme:	Phone: (	) - 1. See	
TO THE TANK OWNER AND OPERATOR: A release of a regulated substance has been conmust perform the following initial response action with		iderground st	torage tank fa	cility at the ab	ove location.	herefore, you
<ol> <li>Remove as much of the regulated substance from the Check adjacent structures to identify fire, explosed investigate to determine the possible presence of monitoring wells, tank pit, or other excavations at the structure of the complex of the comple</li></ol>	sion, and vapor had free product at at or near the site ust control the sporovisions of the	azards. existing moni ) and report read of the c initial abatem	itoring points the result to ontamination	(nearby strear the WVDEP. (280.64a-d).	ns, sumps, se	
A. [ Y ] The owner/operator must conduct an Initi			.63a-b).			
B. [ ] The owner/operator must submit a Site In the release and the presence and concer						
DUE TO:  Send original and one (1) copy of Report to:  WVDEP	_ [40CFR 280.6	Jul	, 4. (circle).]  Acc Pathany		2-16	
Office of Waste Management-UST Section	Tel. No NOTE: All re	470-9 eports/plans		ce the Leak I.C	). and WV I.D	
	WARI	ling (				
If you are the owner and/or operator and you fail may issue an Administrative Order and/or may comm in accordance with West Virginia Code, Chapter 20-5	ence a Civil Actio	on in the Circ	uit Court, incl	uding a tempo	rary or perma	nent injunction
Servi	ice Accepted a	nd Acknowl	edged:			



95-180

### DEPARTMENT OF COMMERCE, LABOR & ENVIRONMENTAL RESOURCES DIVISION OF ENVIRONMENTAL PROTECTION

## aperton

Material in package to be filed in Leak file

(material must be identified)

Gaston Caperton Governor
John M. Ranson Cabinet Secretary



NOTICE OF CLOSURE FEB 28 1997 Underground Storage Tank Owners and/or Operators TO: OFFICE OF WASTE MAMAGEMENT FROM: Underground Storage Tank Program West Virginia Division of Environmental Protection HARLESTON, WV 25301-1401 150P1 95 EXPIRATION DATE: 1 )4695 This office has received your notice of tank removal and/or closure in accordance with 280.71(a). Your site has been assigned closure number Please refer to this number on any further correspondence concerning this closure. The tank closure is not to begin until the date has been scheduled with the undersigned inspector. All forms must be submitted to the UST Inspector within 30 days after the closure is completed. If you should have any questions, please call at (304) 450-4635 WVID # 480=509 Owner/Operator Mailing Address Location of tanks: Waiver of 30 days Yes No. Date: Signed: To be completed by inspector after closure: number of USTs registered numbers of USTs closed in ground number of USTs removed number of USTs installed Closure package is complete: no notification form 'yes no tank closure form / yes no lab analysis no yes / yes Leak No. Leak No. assigned no





UST-9 (10/93) /hite - Owner reen - Operator

Green - Operator Canary - Field Office Enk - Charleston

1356 Hansford Street arleston, WV 25301-1409

FEB 28 1997

WV Division of Environmental Protection Office of Waste Management Underground Storage Tank Section REVIEW OF CONFIRMED
RELEASE REPORT OF WASTE MANA

**FACILITY INFORMATION** Operator: Address City: Phone: ( Phone: ( LOCATION OF TANKS: Street Address: TO THE TANK OWNER AND OPERATOR: Whereas, a review of the information provided regarding site characteristics and the extent of soil and groundwater contamination at the above-referenced facility in compliance with the CONFIRMED RELEASE - NOTICE TO COMPLY issued on the \_  $\frac{5}{2}$  , has been completed. UPON REVIEW, the investigation was found to be: Complete THEREFORE. THE FOLLOWING ACTION MUST BE INITIATED IMMEDIATELY: Initiate an investigation to determine the full extent and magnitude of soils contaminated by the release and the presence and concentration of dissolved product contamination in the groundwater. Continue investigation to determine the full lateral and vertical extent and magnitude of soil contamination. Continue investigation to determine the presence and concentration of dissolved product contamination in the groundwater. Submit a Corrective Action Plan to respond to contaminated soil and groundwater found by the completed investigation. No further action required at this time. Any Additional Investigation Report or Corrective Action Plan checked above should be submitted, in duplicate, to the following WVDEP Field Office not later than the \_\_\_ day of WVDEP, Office of Waste Management-UST Section NOTE: All reports/plans must reference the Leak I.D. and WV I.D. Tel. No. WARNING If you are the owner and/or operator and you fail to accomplish the above-described measures within the time specified, the Director may issue an Administrative Order and/or may commence a Civil Action in the Circuit Court, including a temporary or permanent injunction in accordance with West Virginia Code, Chapter 20-5H-15 and you may be liable for a civil penalty in accordance with Chapter 20-5H-16. Service Accepted and Acknowledged: Date: Inspector's Signature: Contact Person's Signature: Date:



The Pantry Store, Inc.
P.O. Drawer 110
Clarksburg, West Virginia 26302-0110
304•624•4000

TANK CLOSURE REPORT PANTRY STORE #9 320 SOUTH MAIN STREET PADEN CITY, WV PEB 28 1997

OFFICE OF WASTE MANAGEMENT UST SECTION CHARLESTON, WV 20301-1401

WV ID #4805509 CLOSURE # C-4840-95 LEAK ID # 95-180

December 5, 1995

Prepared for:

The Pantry Store, Inc. P.O. Box 110 Clarksburg, WV

Prepared by:

Robert H. Hellman

Environmental - Operations Manager Matthews Brothers Wholesale, Inc.

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#### **DECEMBER 5, 1995**

TANK CLOSURE REPORT PANTRY STORE #9 320 SOUTH FOURTH STREET PADEN CITY, WV WV ID #4805509 CLOSURE #C-4840-95 LEAK ID #95-180

#### 1.0 INTRODUCTION

The Pantry Stores, Inc. (Pantry Stores) contracted J.C. Bosley Construction, Inc. (Bosley), Mineral Wells, WV to remove three underground storage tanks (UST's). A Pantry Store representative was on site to collect data for preparation of the tank closure report. The following report presents the results of the tank, line, and pump island closure. A site plan showing the former facility layout is included as Figure 1. A soil sample location map indicating the areas excavated and locations sampled is included as Figure 2.

#### **2.0 SITE CHARACTERIZATION**

The site is located in a generally residential area at the intersection of East Rural Avenue and South Main Street (Route 2), within the city limits of Paden City, Tyler County, West Virginia. Subsurface utilities (natural gas, water, sanitary and storm sewer) were identified to be running parallel to the stations property bordering Route 2. Power and telephone lines were located overhead running parallel to Route 2 and Rural Avenue.

The site is situated approximately 1/4 mile east of the Ohio River at its closest point. Topographic relief near the site is generally flat. Upon visual inspection of surround area, no private wells were located within a three block area. All surrounding homes, within a one block area, indicated the existence of basements. Water is supplied to the site by the Paden City Water Department.

#### 3.0 UNDERGROUND STORAGE TANK REMOVAL

#### 3.1 Gasoline Underground Storage Tanks, Pump Island, and Product Line Removal

In October of 1995, one 6,000 gallon, two 8,000 gallon gasoline UST's, one pump island and all ancillary equipment was removed by Bosley.

On October 17, 1995, excavation activities began with the removal of the 6,000 gallon gasoline tank (tank #2) proceeded by the two 8,000 gallon tanks (tanks #1 and #3).

Upon removal, the tanks (tanks #1, 2, and 3) were removed of all liquid-sludge, cleaned and transported to Bosley's facility to be scrapped. All tank liquids-sludge were removed and stored in 55 gallon drums. A total of 4 drums of liquid-sludge were disposed of by United Environmental Corporation of Sewickley, PA. Slight to moderate pitting, but no holes were evident on the three registered tanks (tanks #1, 2, and 3). Refer to Figure 1 for a location of the tanks relative to each other. Enclosed as Attachment A is the manifest for disposal of tank liquids. Enclosed as Attachment B, is a copy of the tank disposal receipts.

The pump island area, including the product lines, was removed as part of the over-excavation of the tank field.

#### 3.2 Gasoline Underground Storage Tanks and Pump Island Soil Screening Description

All soil removed from the tank cavity was randomly collected and screened for volatile organic compounds (VOC's) using a Gastech hydrocarbon surveyor (#1238 calibrated to hexane) reading in parts per million (ppm). Soil exhibiting readings higher than 5 ppm was removed from the excavation. Backfill soil immediately around the tanks (tanks #1, 2, and 3) comprised mainly of tan to brown sand. No hydrocarbon odors were recorded while removing the backfill material (with the exception of the western wall of tank #2) and a sample directly underneath the tank was collected, 14 feet below grade. A small pocket of backfill soil with elevated readings (above 5 ppm) was excavated. While removing this area, a sand seam approximately 6 feet thick (from 12 to 18 feet below grade) was determined to also have elevated levels of VOC's. An attempt to remove all impacted soil from this seam resulted in verticality digging to 18 feet below grade and horizontally removing an area from the tank field to the pump island where readings below 5 ppm were recorded. All soil with readings below 5 ppm that was above this seam was removed and redeposited when all hydrocarbon impacted soil was excavated.

Composite samples underneath each tank (#1, 2, and 3) were collected at a depth of approximately 14 and 18 feet below grade to document existing soil conditions. The samples were collected from directly underneath the tanks and along a straight line toward the pump island. Refer to Figure 2 for the location of the composite samples as they relate to areas excavated. A composite soil sample of the four tank cavity sidewalls was also collected (7 feet below grade). At no time during excavation activites was water encountered.

#### 3.3 Post Excavation Soil Samples

On October 18 and 20, 1995, all post excavation samples were collected and sent to Reliance Laboratories of Bridgeport, WV and were analyzed for benzene, toluene, ethlybenzene, and total xylenes; total BTEX (EPA method 8020), total petroleum hydrocarbons - gasoline range; TPHV (modified EPA method 8015-GRO) and total petroleum hydrocarbons - diesel range; TPHS (modified EPA method 8015-DRO).

Analytical results for BTEX, TPHV, and TPHS have been summarized as Tables 1, 2, and 3, respectively. Referring to Table 1 (pp.4), total BTEX results ranged from 1.047 mg/Kg underneath Tank #3 to 1.636 mg/Kg for the Sidewall Composite Sample. Referring to Table 2 (pp.5), TPHV results ranged from 9.65 mg/Kg from underneath Tank #1 to 22.0 mg/Kg underneath Tank #3. Referring to Table 3, (pp.6), TPHS results were all not detected (ND 0.35) mg/Kg. Refer to Figure 2 for a map showing the soil sample locations. Analytical reports received from Reliance Laboratories, for all post excavation soil sampling results, are included as Attachment C.

#### 3.4 Soil Disposal

All soil excavated from the site was removed, loaded, and hauled to a lot leased by Pantry Stores located in Middlebourne, WV. Approximately 1,000 tons of hydrocarbon impacted soil was removed from the site, placed on visqueen (8 mil) and is currently being landfarmed. Soil removed from the site was replaced with local clean fill. Refer to Attachment D for a copy of the lease agreement with land owner (stockpiled soil) and The Pantry Store, Inc.

#### 4.0 SUMMARY

In October of 1995, Pantry Stores removed the entire existing UST system. During the project, the following was determined and/or accomplished.

The site is located in a generally residential area approximately at the intersection of East Rural Avenue and South Main Street (Route 2), within the city limits of Paden City, Tyler County, West Virginia. The Ohio river is approximately 1/4 mile east of the site.

On October 17, 1995, excavation activities began with the removal of the 6,000 gallon gasoline tank (tank #2) proceeded by the two 8,000 gallon tanks (tanks #1 and #3). At no time during excavation activities was water encountered.

Total BTEX results ranged from 1.047 mg/Kg underneath Tank #3 to 1.636 mg/Kg for the sidewall composite sample. The TPHV results ranged from 9.65 mg/Kg from underneath Tank #1 to 22.0 mg/Kg underneath Tank #3. The TPHS results were all not detected (ND 0.35) mg/Kg.

Approximately 1,000 tons of soil where removed from the site and taken to a lot leased by The Pantry Store, Inc. in Middlebourne, WV.

#### TABLE 1

## PANTRY STORE #9 320 SOUTH MAIN STREET PADEN CITY, WV

## POST EXCAVATION SOIL SAMPLE ANALYTICAL SUMMARY FOR BTEX (mg/Kg) COLLECTED ON: OCTOBER 18 and 20, 1995

LOCATION	PARAMETER	RESULT
BENEATH TANK #1 SAMPLED ON 10-18-95	BENZENE TOLUENE ETHLYBENZENE XYLENES TOTAL BTEX	0.370 0.559 ND(<0.010) 0.122 1.051
BENEATH TANK #2 SAMPLED ON 10-18-95	BENZENE TOLUENE ETHLYBENZENE XYLENES TOTAL BTEX	0.419 0.699 ND(<0.01) 0.232 1.350
BENEATH TANK #3 SAMPLED ON 10-20-95	BENZENE TOLUENE ETHLYBENZENE XYLENES TOTAL BTEX	0(395 0.652 ND(<0.005) ND(<0.005) 1.047
COMPOSITE SIDEWALLS 3 SIDES SAMPLED ON 10-18-95	BENZENE TOLUENE ETHLYBENZENE XYLENES TOTAL BTEX	0.483 0.825 0.328 ND(<0.005) 1.636
PUMP ISLAND SIDEWALL" SAMPLED ON 10-20-95	BENZENE TOLUENE ETHLYBENZENE XYLENES TOTAL BTEX	Q.429 0.695 0.368 ND(0.005) 1.492

Practical quantitative limits of laboratory methodology are assumed to be additive for the summation of total BTEX. RTFX units in  $m\sigma/kg = nnm$ 

BTEX units in mg/kg = ppm.

ND(x) = Not Detected(method detection limit).

#### TABLE 2

#### **PANTRY STORE #9** 320 SOUTH MAIN STREET PADEN CITY, WV

#### POST EXCAVATION SOIL SAMPLE ANALYTICAL SUMMARY FOR TPHV (mg/Kg) COLLECTED ON: OCTOBER 18 and 20, 1995

LOCATION	PARAMETER	RESULT
BENEATH TANK #1 SAMPLED ON 10-18-95	ТРНУ	9.65
BENEATH TANK #2 SAMPLED ON 10-18-95	ТРНУ	13.6
BENEATH TANK #3 SAMPLED ON 10-20-95	TPHV	22.0
COMPOSITE SIDEWALL. 3 SIDES SAMPLED ON 10-18-95	ТРНУ	13.1
PUMP ISLAND SIDEWALL SAMPLED ON 10-20-95	ТРНУ	10.4

TPHV units in mg/kg = ppm. ND(x) = Not Detected(method detection limit).

#### TABLE 3

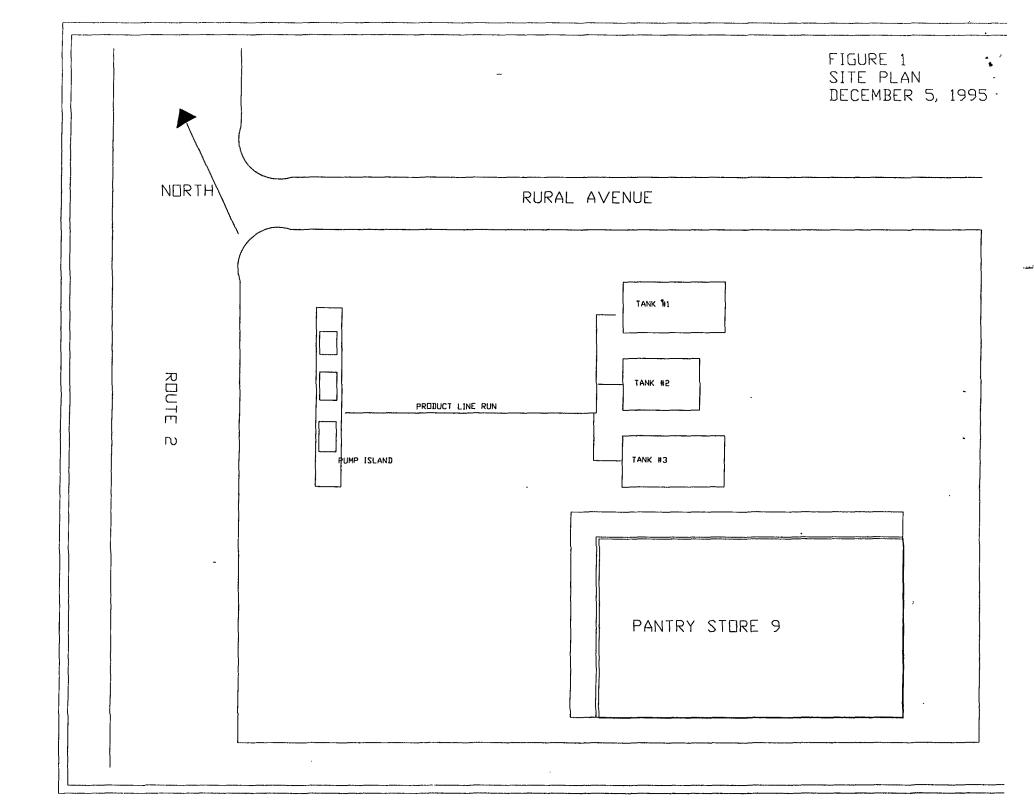
# PANTRY STORE #9 320 SOUTH MAIN STREET PADEN CITY, WV

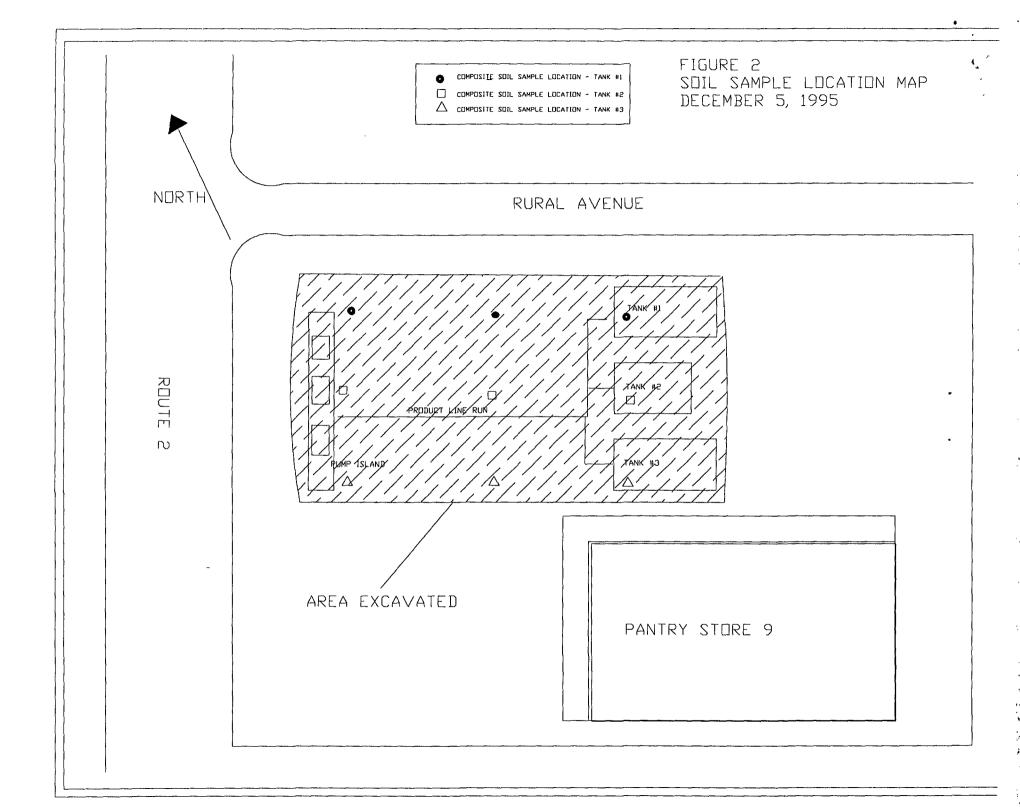
## POST EXCAVATION SOIL SAMPLE ANALYTICAL SUMMARY FOR TPHS (mg/Kg) COLLECTED ON: OCTOBER 18 and 20, 1995

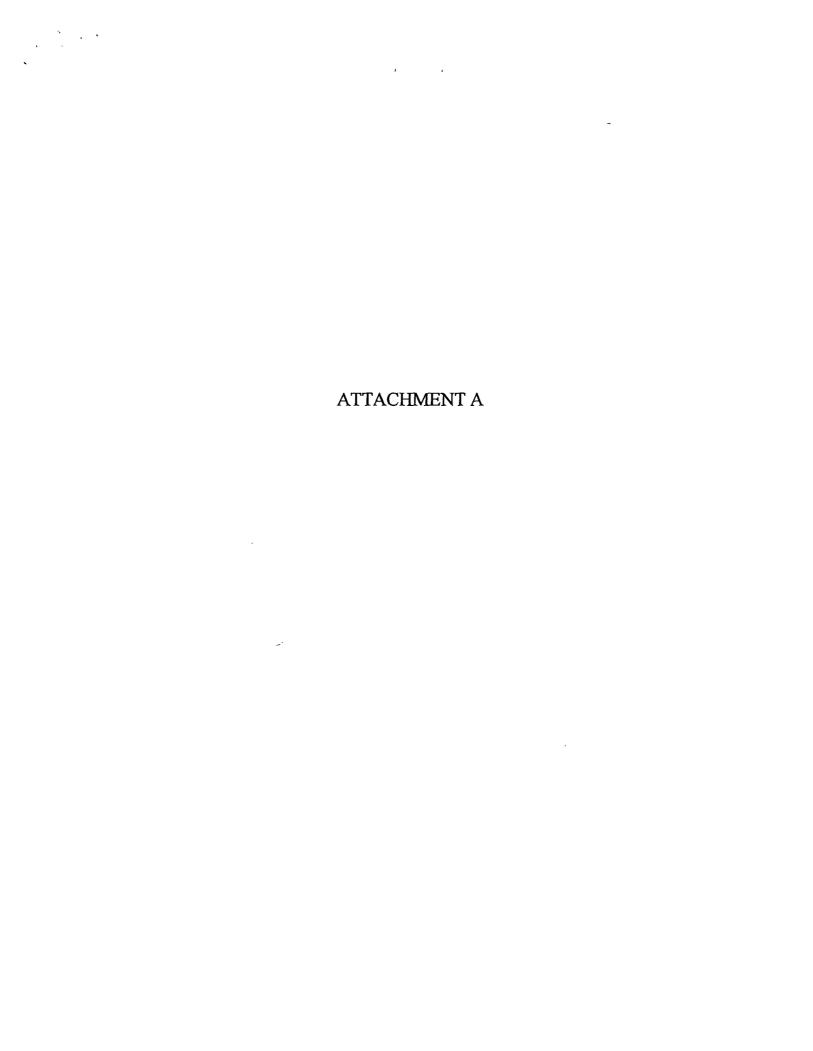
LOCATION	PARAMETER	RESULT
BENEATH TANK #1 SAMPLED ON 10-18-95	ТРНЅ	ND(<0.35)
BENEATH TANK #2 SAMPLED ON 10-18-95	ТРНЅ	ND(<0.35)
BENEATH TANK #3 SAMPLED ON 10-20-95	трнѕ	ND(<0.35)
COMPOSITE SIDEWALL 3 SIDES SAMPLED ON 10-18-95	ТРНЅ	ND(<0.35)
PUMP ISLAND SIDEWALL SAMPLED ON 10-20-95	трнѕ	ND(<0.35)

TPHS units in mg/kg = ppm.

ND(x) = Not Detected(method detection limit).









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PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES
Bureau of Waste Management
P.O. Box 8550
Harrisburg, PA 17105-8550
OFFICIAL PENNSYLVANIA MANIFEST FORM

Form approved. OMB No. 2050-0039 Expires 9-30-96

	HAZARDOUS		Prator's US EPA ID No. Manifest Document No.		Document No.	2. Page 1 of	required by	ormation within the blue border is not uired by Federal law but may be uired by State law.		
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J. Additional Desci	ptions for Materials Lis Physical State	sted Above	Lab Pack Pi	hysical State		K. Handling	Codes for Waste	s Listed Abov	e	
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16. GENERAT	OR'S CERTIFICAT	TION: I hereby declare	that the contents of this	consignment are f	ully and socurate	v described at	YOUR BY PROPER	hinning name	and are	
classified, pac	ed, marked and labele	TION: I hereby declare ed and are in all respects in or, I certify that I have a pro-	proper condition for tran	sport by highway	according to applications of waste of	cable internation	onal and nationa	I government	regulations. to be economically	
[ practicable an	i that i have selected t	the practicable method of to quantity generator, I have	reatment, storage, or disp	posal currently ava	ailable to me which	h minimizes tr	ne present and t	uture threat to	human health and	
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19. Discrepancy In	dication Space									
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		on of receipt of hazardous r		manifest except a	s noted in Item 19.			MONTH	DAY YEAR	

# UNITED ENVIRONMENTAL GROUP INC.



241 McALEER ROAD SEWICKLEY, PA 15143 412-367-0515 • 412-367-4427 FAX



EPA #PAD987283140

RESIDUAL WASTE FACILITY ID #301224 Service • Construction • Environmental • Sales • Waste Disposal

WUP000006188

A Flore to J. P.O. Bex 1186.
Clark bug W. U. 26301 B 320 South Ave.
B Montreere in J. 21.323
Replace 18. J. 21.323

DATE LEDGER NO. ORDER NO. TERMS

DATE LEDGER NO. ORDER NO. TERMS

DOWN RECEIPT

OUANTITY

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## CERTIFICATE of DISPOSAL

Tank # \_\_920 BOSLEY TANK DISPOSAL FACILITY Location Address: Mailing Address: **Buckeye Street** P.O. Box 67 Mineral Wells, WV 26150 Parkersburg, WV This is to Certify that Bosley Tank Disposal Facility personnel have examined the subject tank delivered to this approved facility and accepted same. Accepted tanks are steam cleaned, cut and scrapped, all in accordance with EPA, State Fire Marshal, and DNR regulations. Receipt for Tank Disposal: ID Number assigned to tank: Facility: Bosley Tank Disposal Facility EPA ID Number: WVD988769931 POTW Permit Number: 09 (Tank Removal Location) Name Pantry Store #9 Contact \_ Phone: ( ) Address 320 South Fourth Street City/State Paden City, WV Zip Code \_ (Bill To: (or) Owner) Name Matthews Brothers Wholesale, Inc. Contact <u>Leonard Tenney</u> Address P.O. Box 1186 Phone: (304) 624-7601 City/State <u>Clarksburg</u> WV (Transporter) Name J.C. Bosley Construction, Inc. Contact <u>Jeff Stevens</u> Address P.O. Box 67 Phone: (304) 422-0025 City/State Mineral Wells, WV Zip Code 26150 (Tank Data) Steel Tank Material: Fiberglass Other Size: (Diameter) 21 feet 96 inches (Length) Last Product in Tank Gasoline Capacity (Gallons) 8,000 Dated this 15th day of November, 1995. Facility Signature

F9511386

F9511387

# CERTIFICATE of DISPOSAL

Tank # 921

**BOSLEY** 

BOSLEY TANK DISPOSAL FACIL Location Address:	Mailing Address:
Buckeye Street	P.O. Box 67
Parkersburg, WV	Mineral Wells, WV 26150
	Facility personnel have examined the subject tank
	d same. Accepted tanks are steam cleaned, cut and
scrapped, all in accordance with EPA, State I	Fire Marshal, and DNR regulations.
Receipt for Tank Disposal:	ID Number assigned to tank 921
Facility: Bosley Tank Disposal Facility	
EPA ID Number: WVD988769931	
POTW Permit Number: 09	
(Tank Removal Location)	
Name Pantry Store #9	Contact
Address 320 South Fourth Street	Phone: ( )
City/State Paden City, WV	Zip Code
(Bill To: (or) Owner)	
Name <u>Matthews Brothers Wholesale, Inc.</u>	Contact Leonard Tenney
Address P.O. Box 1186	Phone: (304) 624-7601
City/State <u>Clarksburg</u> , WV	Zip Code <u>26301-1186</u>
(Transporter)	
Name _ J.C. Bosley Construction, Inc.	
Address P.O. Box 67	Phone: (304) 422-0025
City/State Mineral Wells, WV	Zip Code <u>26150</u>
(Tank Data)	
	glass Other
	ength) 16 feet
Capacity (Gallons)	ast Product in Tank Gasoline
Dated this 15th day of November, 19	95. Michelo A Book
	Facility Signature

# CERTIFICATE of DISPOSAL

Tank # \_\_940 \_\_

<b>BOSLEY TANK DISPOSAL FACILIT</b>	Y
Location Address:	Mailing Address:
Buckeye Street	P.O. Box 67
Parkersburg, WV	Mineral Wells, WV 26150
This is to Certify that Bosley Tank Disposal Fac delivered to this approved facility and accepted sa scrapped, all in accordance with EPA, State Fire	me. Accepted tanks are steam cleaned, cut and
Receipt for Tank Disposal:	ID Number assigned to tank: 940
Facility: Bosley Tank Disposal Facility EPA ID Number: WVD988769931 POTW Permit Number: 09	
(Tank Removal Location)	
Name Pantry Store #9	Contact
Address 320 South Fourth Street	Phone: ( )
City/State Paden City, WV	Zip Code
(Bill To: (or) Owner)	
Name Matthews Brothers Wholesale, Inc.	Contact Leonard Tenney
Address P.O. Box 1186	Phone: (304) 624-7601
City/State Clarksburg, WV	Zip Code <u>26301-1186</u>
(Transporter)	
Name I.C. Bosley Construction, Inc.	Contact Jeff Stevens
Address P.O. Box 67	Phone: (304) 422-0025
City/State Mineral Wells, WV	Zip Code <u>26150</u>
(Tank Data) Tank Material: Steel XX Fibergla Size: (Diameter) 96 inches (Lengt Capacity (Gallons) 8,000 Lass	
Dated this 15th day of November, 1995.	Michele a. Booley
F0613 200	Facility Signature
F9511388	

	ACORD. SESSION					THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.	uaie (MACOM) 10/17/1995
•	poes Intra-State Insura	nce Corp.		afers no fight	s upon the ce	MATTER OF INFORMATI RIVICATE HOLDER, TH ER THE COVERAGE AF	ON ORLY AND
	PO Box 5526		POL	ICIES BELOW.		968 d. ad 984 d. american series 23   22 16 2 pm	- VIDES BY JAC
Vienna, WV 26105 (304) 295-1048		ļ	CO	MPANIES AFT	ORDING COVERA	GE	
			LETT	Pary A USES	æ	. ambas ad caada e caada on caaco on 11 g 47 g 2 Kel so no coo co	
	po 2000 s. S. s. se 100 0.5 o portir i dia sept agri 100 100 200 s. dada 100 de 100 de 100 s. s. sept 100 s.		COM	PANY B CENT	TORY SURE	CY COMPANY	
,	ord J. C. Bosley Consti	RUCTION INC.	CON	PART C	. <u> </u>		
	P. O. BOX 67 MINERAL WELLS,WV 20	5150	COM	FAMY D		gay da 19 209 30 10 10 100 57 54 54 5 5 to an an annua da ay 195 50	
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				************	100		
	PHIS IS TO CERTIFY THAT THE POLICE INDICATED, NOTWITHSTANDING ANY F CERTIFICATE MAY BE ISSUED OR MAY	EQUIREMENT, TERM OR COND	ITION O	F ANY CONTRACT C	R OTHER DOCUME	IT WITH RESPECT TO WHIC	EHT HS
88	EXCLUSIONS AND CONDITIONS OF SU	CH POLICIES. LIMITS SHOWN POLICY MINUSER	MAY H	A security and one section with the security or	POLICY EXPENSION		B
B	GENERAL LABORAT	19.570 15.10 00.00 00 10.10.10.10.00.00	******			GENERAL AGGREGATE	*2,000,000.
ŀ	Z COMMERCIAL GENERAL LIMBILITY	CCP121111		1	•	PRODUCTS COMPOP AGG.	1,000,000
	CLAMS MACE X OCCUR.			10/28/95	10/28/96	PERSONUL & ADV. NAURY	1,000,000.
	ORNERS & CONTRACTERS PROT.					EACH OCCUPATINGE	<b>*1,000,000</b> .
ŀ	* ************************************				1	PIRE DAMAGE (Any one fini	<b>\$</b> 50,000.
	• • • • • • • • • • • • • • • • • • •	; ; ; ;	:	: 	: 1 <del>1</del>	MED. EXPENSE (Any one person	4:5
A	X ANY AUTO	1AB30060638-4		: ! !	10/28/96	COMBNED SHIGLE LIMIT	*1,000,000.
	SCHEDULED AUTOS			10/28/95		BOOKY BLURY (Fet person)	\$
	HIPED AUTOS  MON-OWNED AUTOS					900LY RAJRY For excision	\$
_	GARAGE LIMBLITY				! ! !	PROPERTY DAMAGE	3
_	EXCESS LABORARY	·				EACH OCCURRENCE	*5,000,000.
R	X UMBRELA FORM	CCP124501		10/28/95	10/28/96	AGGREGATE	<b>*5,000,000</b> .
	OTHER THAN UMBRELLA FORM					The second secon	
	WORKER'S COMPUNEATION	PCP3000309510-01				STATUTORY LIMITS	<b>1,000,000</b> .
	AND	PQF300300310-01		10/28/95	10/28/96	DISEASE - POLICY LIMIT	\$1,000,000.
	EMPLOYIERS LIABILITY				1	DISEASE - EACH CHILLOYEE	\$1,000,000.
DE	OTHER  BERIPHON OF OPERATIONALOCATIONSPIESO	LENGPECIAL (TEMS					
PROX			- 15 mm	SCHOOL STREET,			
						POLICIES BE CANCELLED	
						COMPANY WILL ENDEANG THE CERTIFICATE HOLDER	
						XE SHALL IMPOSE NO CIBLI	
						ANY, ITS AGENTS OF REPE	
			235	HONGE HEMBELL			



# RELIANCE ANALYTICAL SERVICES, INC.

**ENVIRONMENTAL ANALYSTS** 

P.O. BOX 625 10 BENEDUM INDUSTRIAL PARK ROAD **BRIDGEPORT, WV 26330-0625** 304/842-5285 FAX 304/842-5351

ONE EAGLE PLAZA, SUITE I HEDGESVILLE, WV 25427 PHONE/FAX 304/754-7360

10/25/95



## MATTHEWS BROTHERS WHOLESALE

P.O. Box 1186 Clarksburg, WV 26302-1186

Sample I.D.: UNDER TANK #1

PANTRY STORE #9, PADEN CITY

Lab. Number: 95118-95-W

PARAMETER/METHOD	VALUE	UNITS	DATE ANALYZED	ANALYST
Benzene * SW846/Method 8020	0.370	mg/kg	10/23/95	TI/BP
Toluene * SW846/Method 8020	0.559	mg/kg	10/23/95	TI/BP
Ethylbenzene * SW846/Method 8020	ND(<0.010)	mg/kg	10/23/95	TI/BP
Xylene * SW846/Method 8020	0.122	mg/kg	10/23/95	TI/BP
T.Petroleum Hydrocarbon	0.65	/1	10/02/0r	·
*Gasoline Range(GRO) SW846/8015(Mod)	9.65	mg/kg	10/23/95	TI/BP
*Diesel Range(DRO) SW846/8015(Mod)	ND(<0.35)	mg/kg	10/23/95	TI/BP

<<< 95118

Date Sampled: 10/18/95

Sample Submitted By: ROBERT H. HELLMAN Date Sample Received: 10/20/95 16:35

ND = Not Detected

APPROVAL

Kirk, Jr.

\* TEST METHODS FOR EVALUATING SOLID WASTE, SW-846, 3rd Edition

**ENVIRONMENTAL ANALYSTS** 

P.O. BOX 625 10 BENEDUM INDUSTRIAL PARK ROAD BRIDGEPORT, WV 26330-0625 304/842-5285 FAX 304/842-5351

ONE EAGLE PLAZA, SUITE I **HEDGESVILLE, WV 25427** PHONE/FAX 304/754-7360

10/25/95



## **MATTHEWS BROTHERS WHOLESALE**

P.O. Box 1186 Clarksburg, WV 26302-1186

Sample I.D.: UNDER TANK #2

PANTRY STORE #9, PADEN CITY

Lab. Number: 95119-95-W

PARAMETER/METHOD	VALUE	JNITS	DATE ANALYZED	ANALYST
Benzene * SW846/Method 8020	0.419	mg/kg	10/23/95	TI/BP
Toluene * SW846/Method 8020	0.699	mg/kg	10/23/95	TI/BP
Ethylbenzene *	ND(<0.010)	mg/kg	10/23/95	TI/BP
SW846/Method 8020 Xylene * SW846/Method 8020	0.232	mg/kg	10/23/9	5 TI/BP
T.Petroleum Hydrocarbon				
*Gasoline Range(GRO) SW846/8015(Mod)	13.6	mg/kg	10/23/9	TI/BP
*Diesel Range(DRO) SW846/8015(Mod)	ND(<0.35)	mg/kg	10/23/9	5 TI/BP

<<< 95119

Date Sampled: 10/18/95

Sample Submitted By: ROBERT H. HELLMAN

Date Sample Received: 10/20/95 16:35

ND = Not Detected

**APPROVAL** 

William F. Kirk, Jr.

\* TEST METHODS FOR EVALUATING SOLID WASTE, SW-846, 3rd Edition

**ENVIRONMENTAL ANALYSTS** 

P.Ò. BOX 625 10 BENEDUM INDUSTRIAL PARK ROAD BRIDGEPORT, WV 26330-0625 304/842-5285 FAX 304/842-5351

ONE EAGLE PLAZA, SUITE I HEDGESVILLE, WV 25427 PHONE/FAX 304/754-7360

10/25/95



## **MATTHEWS BROTHERS WHOLESALE**

P.O. Box 1186 Clarksburg, WV 26302-1186

Sample I.D.: UNDER TANK #3

PANTRY STORE #9, PADEN CITY

Lab. Number: 95120-95-W

PARAMETER/METHOD	VALUE	UNITS	DATE ANALYZED	ANALYST
Benzene * SW846/Method 8020	0.395	mg/kg	10/23/95	TI/BP
Toluene * SW846/Method 8020	0.652	mg/kg	10/23/95	TI/BP
Ethylbenzene *	ND(<0.010)	mg/kg	10/23/95	TI/BP
SW846/Method 8020 Xylene * SW846/Method 8020	ND(<0.005)	mg/kg	10/23/95	TI/BP
T.Petroleum Hydrocarbon	22.2	/3	10/02/05	mr /pp
*Gasoline Range(GRO) SW846/8015(Mod)	22.0	mg/kg	10/23/95	TI/BP
*Diesel Range(DRÓ) SW846/8015(Mod)	ND(<0.35)	mg/kg	10/24/95	TI/BP

**<<< 95120** 

Date Sampled: 10/20/95

Sample Submitted By: ROBERT H. HELLMAN Date Sample Received: 10/20/95 16:35

ND = Not Detected

APPROVAL

William F. Kirk, Jr.

\* TEST METHODS FOR EVALUATING SOLID WASTE, SW-846, 3rd Edition

**ENVIRONMENTAL ANALYSTS** 

P.O. BOX 625 10 BENEDUM INDUSTRIAL PARK ROAD BRIDGEPORT, WV 26330-0625 304/842-5285 FAX 304/842-5351

ONE EAGLE PLAZA, SUITE I HEDGESVILLE, WV 25427 PHONE/FAX 304/754-7360

10/25/95



## MATTHEWS BROTHERS WHOLESALE

P.O. Box 1186 Clarksburg, WV 26302-1186

Sample I.D.: TANK SIDEWALLS 3 AROUND UST'S PANTRY STORE #9, PADEN CITY

Lab. Number: 95121-95-W

PARAMETER/METHOD	VALUE (	JNITS	DATE ANALYZED	ANALYST
Benzene * SW846/Method 8020	0.483	mg/kg	10/24/95	TI/BP
Toluene * SW846/Method 8020	0.825	mg/kg	10/24/95	TI/BP
Ethylbenzene * SW846/Method 8020	0.328	mg/kg	10/24/95	TI/BP
Xylene * SW846/Method 8020	ND(<0.005)	mg/kg	10/24/95	TI/BP
T.Petroleum Hydrocarbon				
*Gasoline Range(GRO) SW846/8015(Mod)	13.1	mg/kg	10/24/95	TI/BP
*Diesel Range(DRÓ) SW846/8015(Mod)	ND(<0.35)	mg/kg	10/24/95	TI/BP

<<< 95121

Date Sampled: 10/18/95

Sample Submitted By: ROBERT H. HELLMAN Date Sample Received: 10/20/95 16:35

ND = Not Detected

APPROVAL

William F. Kirk, Jr.

\* TEST METHODS FOR EVALUATING SOLID WASTE, SW-846, 3rd Edition

RELIANCE LABORATORIES, INC.

# RELIANCE ANALYTICAL SERVICES, INC.

P.O. BOX 625 10 BENEDUM INDUSTRIAL PARK ROAD **BRIDGEPORT, WV 26330-0625** 304/842-5285 FAX 304/842-5351

ENVIRONMENTAL ANALYSTS

ONE EAGLE PLAZA, SUITE I HEDGESVILLE, WV 25427 PHONE/FAX 304/754-7360

10/25/95



# MATTHEWS BROTHERS WHOLESALE

P.O. Box 1186 Clarksburg, WV 26302-1186

Sample I.D.: PUMP ISLAND SIDEWALL SIDE NEAR RT#2

PANTRY STORE #9, PADEN CITY

Lab. Number: 95122-95-W

PARAMETER/METHOD	VALUE	UNITS	DATE ANALYZED	ANALYST
Benzene * SW846/Method 8020	0.429	mg/kg	10/24/95	TI/BP
Toluene * SW846/Method 8020	0.695	mg/kg	10/24/95	TI/BP
Ethylbenzene * SW846/Method 8020	0.368	mg/kg	10/24/95	TI/BP
Xylene * SW846/Method 8020	ND(<0.005)	mg/kg	10/24/95	5 TI/BP
T.Petroleum Hydrocarbon				
*Gasoline Range(GRO) SW846/8015(Mod)	10.4	mg/kg	10/24/95	TI/BP
*Diesel Range(DRO) SW846/8015(Mod)	ND(<0.35)	mg/kg	10/24/95	TI/BP

**<<< 95122** 

Date Sampled: 10/20/95

Sample Submitted By: ROBERT H. HELLMAN

Date Sample Received: 10/20/95 16:35

ND = Not Detected

**APPROVAL** 

William F. Kirk,

\* TEST METHODS FOR EVALUATING SOLID WASTE, SW-846, 3rd Edition



MUST BE COMPLETED BY CLIENT AT LOG IN PLEASE PRINT OR WRITE LEGIBLY

CHAIN OF CU	USTO	DDY RECORD	SHEET
PHONE NO. / ADDRESS /			No
	Sample Matrix	ANALYSIS TYPE REQUESTED -	
SAMPLERIS Robert H. HEllman		REMARKS	
LAB NUMBER  DATE TIME O R PAINTIFICATION FOR # 9  LAB NUMBER  DATE TIME O R PAINTIFICATION FOR # 9  LAB NUMBER	Cit Con-	REMARKS	
95118-955 10-18 X UNDER TANK 41			·
95/19-955 10-18 X WORL TANKE 2		VVV	
95/20-955 1020 X UNLER TANK &3		000	· · · · · · · · · · · · · · · · · · ·
25/21-955 1048 Y TANK SIDEWALLS .		VVV Three SIDEWALLS ALOS	JO UST'S
95/22-855 10-20 X Prop Island sidewall.		VVV SIDE NEAR ROSTE	2
Print: Relinquished by: Print: Received by: Print: Sign: Branda Cary Received by: Print: Print: Print:		RELIANCE LABORATORIES, INC. P.O. BOX 625 BENEDUM INDUSTRIAL PARK BRIDGEPORT, WV 26330	į
		TO: 304/842-5285 FAX 304/842-5351	
Sign: Sign: Sign:  Relinquished by: Date/Time Received by:		☐ RELIANCE ANALYTICAL SERVICES, INC	•
Print: Print:		ONE EAGLE PLAZA, SUITE 1 HEDGESVILLE, WV 25427	
Sign: Sign:		PHONE/FAX 304/754-7360	
	AUT	THORIZATION:	



THIS LEASE, Made in duplicate this 30th of August, 1995, by and between Larry Henthorn parties of the first part, hereinafter sometimes referred to as "Lessor", and The Pantry Store, Inc., a West Virginia corporation, party of the second part, hereinafter sometimes referred to as "Lessee".

WITNESSETH: That for and in consideration of the covenants and conditions hereinafter set forth, Lessor and Lessee do hereby mutually agree as follows:

- 1. Lease and Premises. Lessor hereby demise, lease and let unto Lessee a part or portion of Lessor real property situate in Tyler County, West Virginia, which said part or portion of said real property contains approximately one-half (1/2) acre, for the purpose and upon the terms and conditions hereinafter set forth.

  Lessor and Lessee have heretofore agreed upon the location of said part or portion of said real estate hereby demised, leased and let by Lessor to Lessee and said part or portion is hereinafter referred to as "the premises".
- 2. Reservations. This Lease is made subject to all reservations, exceptions, limitations, conditions, rights of way or easements, and other servitude's, if any, made, retained or otherwise created by the deeds or other instruments constituting the record chain of title to the real property of which the premises are a part.
- 3. Term. The term of this Lease, shall be for a period of, six (6) months from the date hereof; with the automatic renewal month to month as required to perform the necessary remediation of contaminated soil placed on said premises. Provided, however, and notwithstanding the above, Lessee shall have the right to terminate this Lease at any time by giving written notice to Lessor of its intention to terminate this Lease, which notice shall designate the date on which this Lease shall terminate and shall be given at least ten (10) days prior to the date on which this Lease is to terminate.
- 4. Rent. Rent shall be paid on the first day of Lease date at the rate of \$300.00 per month. The first Six (6) months to be paid in advance for a total of \$1800.00. For any renewal period rent shall be paid as stated above. Such rentals shall be paid to the Lessor at, Rt 2, Box 180, Sistersville, West Virginia, 26175, or as Lessor may otherwise, directed in writing, from time to time by notice to Lessee.



- 5. <u>Use of Premises</u>. Lessee shall use the premises only for the purpose of depositing contaminated soil for aeration. Lessee shall be responsible for arranging for the transportation of such soil to the premises, monitoring such soil to determine when it is no longer contaminated and for \_\_\_\_\_\_, such soil \_\_\_\_\_, the premises within sixty (60) days after Lessee has determined that such soil is no longer contaminated.
- 6. Indemnity and Release. 6 (A) Lessor agrees not to store contaminated soil on the premises hereafter and indemnifies, defends and hold harmless Lessee from any claims, actions, costs, Attorneys' fees, penalty or judgment resulting from.

  Lessors' failure to abide by said prohibition against the storage of contaminated soil on the premises.
- 6 (B) Lessee agrees to indemnify, defend and hold lessor harmless from any claim, action, penalty, cost, Attorneys' fees or judgment arising from Lessee's storage of contaminated soil on the premises.
- 6 (C) Lessor agrees to indemnify, defend and hold harmless Lessee from any claims, actions, penalty, cost of Attorneys' fees or judgment arising of the use or occupancy by Lessor, its employees, agents, subcontractors or invitees of the premises.
- 6 (D) Lessee agrees to indemnify, defend and hold harmless Lessor from any claim, actions, penalty, cost, Attorneys' fees or judgments arising out of occupancy by Lessee, its employees, agents, subcontractors, invitees of the premises.
- 6 (E) Lessor warrants that it owns the premises and has good and marketable record title thereto free of liens and encumbrances and demnifies, defends and hold Lessee harmless from any claim, action, penalty, Attorneys' fees or judgment resulting from any third party claim to the premises.
- 7. Right of Ingress and Egress. During the term of this Lease, Lessor gives and grants to Lessee, its servants, agents and employees, the right of ingress and egress over the real estate of which the premises are a part to and from the premises for the purpose of placing said soil on the premises, monitoring said soil, removing said soil from the premises and for any other purpose related thereto.



- 8. Assignment. This Lease shall not be assigned by Lessee without the prior written consent of Lessor.
- Surrender of Premises. At the end of the term or at any sooner termination of this Lease, Lessee shall vacate and surrender the premises to Lessor.

Time shall be computed from or to the delivery in person or the mailing of the notice, as the case may be. Time shall be computed by excluding the first day and including the last; if the last day is a Saturday, a Sunday, or a Holiday, it shall also be excluded.

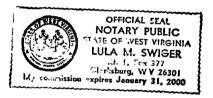
- 11. Successors and Assigns. This Lease shall be binding upon and insure to the benefit of Lessor and Lessee, their successors and assigns, except as otherwise provided in this Lease.
- 12. <u>Duplicate Originals.</u> This Lease is executed in duplicate and each executed copy thereof shall be treated as an original for all purposes.
- Entire Agreement. This Lease states the entire agreement between the
   Lessor and Lessee concerning the premises.

WITNESS the following signatures and seals in duplicate:

THE PANTRY STORE INC

Lessee

COUNTY OF Harrisen )
The foregoing instrument was acknowledged before me this // day of
September 1995, by Larry Heuthorve
Hula M. Sweger  Notary Public
My Commission expires 2000
STATE OF WEST VIRGINIA (
COUNTY OF Harrison (
The foregoing instrument was acknowledged before me this day of
September 1995, by RONALD O. BOWERS.
on behalf of the corporation.
Bula m. Swines
Notary Public
My commission expires: (NOTARIAL SEAL)





Clores: UR & C - 4840 - 95

OMB NO. 2050-0068, Approval Expires 1/31/95

Notification for Underground Storage Tanks		ST	ATE USE ONLY
State Agency Name and Address  WV Div. of Environmental Protection, Office of Waste Mgm 1356 Hanford Street, Charleston, WV 25301	it, UST Section	ID NUMBER	4805509
TYPE OF NOTIFICATION		F.E.I.N.: No.	
☐ A. NEW FACILITY ☐ B. AMENDED ☐ C.	CLOSURE	A. Date Entered I	
No. of tanks at facilityNo. of continuation sheet		B. Data Entry Cle C. Owner Was Co	
INSTRUCTIONS			ses. Comments
Please type or print in ink all items except "signature" in section must be completed for each location containing underground stora more than five (5) tanks are owned at this location, photocopy the sheets, and staple continuation sheets to the form.	ge tanks. If		
GENERAL IN	IFORMATIC	ON	
Notification is required by Federal law for all underground tanks that have been used to store regulated substances that are in the ground as of May 8, 1986, or that are brought into use after May 8, 1986. The information requested is required by Section 9002 of the Resource Conservation and Recovery Act, (RCRA), as arrended.  The primary purpose of this notification program is to locate and evaluate underground tanks that store or have stored petroleum or hezardous substances. It is expected that the information you provide will be based on reasonably available records, or in the absence of RCRA is americad, requires that, unless exempted, owners of uto agrif and is inhabit store regulated substances must notify designated State to locate genotes with editional of their tanks. Owner means—  a) in the case of an underground storage tank in use on November 8, 1984, or brought into use after that fail they person who owns an underground storage tank used for the storage, use, or dispensing of regulated substances in the 1984, but no longer is use on that data is a person who owns an underground storage tank used for the storage, use on that data is a person who owns an underground storage tank used for the storage, use on that data is a person who owns an underground storage tank used for the storage tank used for the storage on that data is a person who owns an underground storage tank used for a substances, and continue to tank system states (one amend, tank information for a substances, and (2) agree volume (including connected underground principles to be included).  What Tanks An included? Underground storage tank is defined as any one or combination of the street ground. Some examples are underground tanks storing: 1. Gasoline, used oil, or desel fuel, and 2. industrial solvents, pesticides, herbicides or furnigants.  What Tanks Are Excluded? Tanks removed from the ground are not subject to notification. Other tanks excluded from notification are:  1. farm or residential tanks of 1,100 gallons or less capac	Pipeline Safety which is an intraction of the foundation of the following	lacilities (including gatherin Act of 1968, or the Hazarr sastate pipeline facility regular production asstate pipeline facility regular production asstate pipeline facility regular production waste water collected uph process tanks; ps or associated gathering gathering operations; tanks situated in an underguist, shaft, or tunnel) if the sidor.  Interpolation that contain regulationed as hazardous in section of those substances regulationed as hazardous in section of those substances regulationed as peroleum, e.g., critical conditions of temperature in productions of temperature in the production of Waste Management T Section in the Hanford Street arieston, WV 25301 lightly? 1. Owners of under of operation is 2. Owners who bring under the production of any amendments to a civil power who knowing tall be subject to a civil particle.	or lagoons; on systems; lines directly related to oil or gas round area (such as a basement, cellar, storage tank is situate upon or above the enotification requirements apply to undered substances. This includes any in 101 (14) of the Comprehensive and Liability Act of 1980 (CERCLA), with ed as hazardous waste under Subtitle C oude oil or any fraction thereof which is the and pressure (60 degrees Fahrenheit b).
I. OWNERSHIP OF TANK(S)		II. LOCATION	OF TANK(S)
Owner Name (Corporation, Individual, Public Agency, or Other Ersay)  Street Address The Panky STURES, TNC.  P. O. BOX 110  Cay CLARKSBIRG WV 26301  County  Phone Number (Include Area Code) (304) 624 - 4000	Latitude Facility Name o	(if same as Section I, or Company Site Identifier, as ap (P.O. Box not acceptable)	Longitude

III. TYPE OF OWNER	. IV. IND	AN LANDS	3
☐ Federal Government ☐ Commercial	Tanks are located on land within an Inc Reservation or on other trust lands.	lian 🔲	Tribe or Nation:
☐ State Government ☐ Private ☐ Local Government	Tanks are owned by native American nation, tribe, or individual.		
	V. TYPE OF FACILITY		
Select the Appropriate Facility Description			
<u></u> ★ Gas Station	Railroad	Trucki:	ng/Transport
Petroleum Distributor	Federal - Non-Military	Utilitie	s
Air Taxi (Airline)	Federal - Military	Reside	ential
Aircraft Owner	Industrial	Farm	
Auto Dealership	Contractor _	Other	(Explain)
VI. CONT	ACT PERSON IN CHARGE OF TANKS		
Name Job Title	Address	Phon	e Number (Indude Area Code)
Kaseet H. Hellman Envisonmental MG.R.	Tio. Box110 charlesting, wil	(304)	624-4000
VII	. FINANCIAL RESPONSIBILITY	100 TH	
	ancial responsibility requirements in		
Check All that Apply	3 30	<del></del>	George
Self Insurance	Guarantee 3 4	Sia	te Funds.
Commercial Insurance	☐ Surety Bond	Tru	ist Fund
Risk Retention Group	Letter of Credit	Oth	ner Method Allowed Specify
	ì		
i	į.		
	<u></u>	<del>-</del>	
VIII. CERTIFICATI	ON (Read and sign after completing all s	ections)	
I certify under penalty of law that I have personally ex documents, and that based on my inquiry of those in submitted information is true, accurate, and complete	dividuals immediately responsible for obta	ion submitt aining the in	ed in this and all attached iformation, I believe that the
Name and official title of owner or owner's authorized representative (Print)	Signature/		Date Signed
KOSERT A. Hellman	Kolu M Hell		12-5-95
EPA estimates public reporting burden for this form to gathering and maintaining the data needed and come Chief, Information Policy Branch PM-223, U.S. Environment "Attention Desk Officer for EPA." This form amends to editions of this notification form may be used while s	pleting and reviewing the form. Send com onmental Protection Agency, 401 M Stree the previous notification form as printed in	ments rega et, Washing	arding this burden estimate to ton D.C. 20460, marked

IX. DESCRIPTION OF UNDERGROUND STORAGE TANKS (Complete for each tank at this location.)					
Tank Identification Number	Tank No	Tank No. 2	Tank No.3	Tank No	Tank No
1. Status of Tank	· · · · · · · · · · · · · · · · · · ·			l	
(mark only one) Currently in Use		L			
Temporarily Out of Use (Remorable to M out section X.)					
Permanently Out of Use					
(Remember to Sil out section X.)					
Amendment of Information					
2. Date of Installation (mo./year)	1982	1982	1982		
3. Estimated Total Capacity (gallons)	8,000	6,000	8009		
4. Material of Construction					
(Mark all that apply)					
Asphalt Coated or Bare Steel	$\searrow$				
Cathodically Protected Steel					
Epoxy Coated Steel					
Composite (Steel with Fiberglass)					
Fiberglass Reinforced Plastic					
Lined Interior					
Double Walled					
Polyethylene Tank Jacket					
Concrete					
Excavation Liner					
Unknown					
Other, Please specify					
V	. ———				
Has tank been repaired?					
5. Piping (Material)					
(Mark all that apply) Bare Steel					
Galvanized Steel					
Fiberglass Reinforced Plastic					
Copper					
Cathodically Protected					
Double Walled					
Secondary Containment					
Unknown					
Other, Please specify					
		<del></del>			
6. Piping (Type) (Mark all that apply)					
Suction: no valve at tank					
Suction: valve at tank					
Pressure					
Gravity Feed					
Has piping been repaired?					

Tank Identification Number	Tank Noi_	Tank No. 2	Tank No. 3	Tank No	Tank No
7. Substance Currently or Last Stored In Greatest Quantity by Volume Gasoline Diesel Gasohol Kerosene Heating Oil Used Oil Other, Please specify					
Hazardous Substance CERCLA name and/or, CAS number					
Mixture of Substances Please specify					
X	. TANKS OUT OF	USE, OR CHANGE	IN SERVICE		
Closing of Tank     A. Estimated date last used     (mo./day/year)	10-15-95	10-15-95	10-15-95		
B. Estimate date tank closed (mo./day/year)	10 - 17-95	10 - <b>17</b> -95	10-18-95		
C. Tank was removed from ground  D. Tank was closed in ground  E. Tank filled with inert material  Describe					
F. Change in service					
2. Site Assessment Completed	468	yos.	Y°3		
Evidence of a leak detected	Ns	You	ND		

XI. CERTIFICATION OF COMPLIA	NCE (COMPLETE	FOR ALL NEW A	ND UPGRADED	TANKS AT THIS L	OCATION)	
Tank Identification Number	Tank No(	Tank No. 2	Tank No. 3	Tank No	Tank No	
1. Installation						
A. Installer certified by tank and piping manufacturers						
B. Installer certified or licensed by the implementing agency						
C. Installation inspected by a registered engineer						
D. Installation inspected and approved by implementing agency						
E. Manufacturer's installation checklists have been completed						
F. Another method allowed by State agency. Please specify.						
2. Release Betection (Mark all that apply)  EMDES TANK 19 A. Manual tank gauging B. Tank tightness testing C. Inventory controls D. Automatic tank gauging E. Vapor monitoring F. Groundwater monitoring G. Interstitial monitoring double walled tank/piping H. Interstitial monitoring/secondary containment I. Automatic line leak detectors J. Line tightness testing K. Other method allowed by Implementing Agency. Please specify.	TANK PIPING	TANK PIPING	TANK PIPING	TANK PIPING	TANK PIPING	
3. Spill and Overfill Protection						
A. Overfill device installed						
B. Spill device installed						
OATH: I certify the information concerning in	stallation that is pr			t of my belief and k	nowledge.	
Name Position	, ————————————————————————————————————		ignature	Company	Date	
				- 3 <b></b>		

*,	
	e one for each product
	umber: 4805509 Closure Number: C-4840-95 EPA I.D. No. (HW):
	enerator's Name: The PANTRY STORE, INC. Owner Phone No. 13043624-40
Owner/G	enerator's Address: Po. DRAWAR 110, Clarksburg, WV
Contract	tor's Name: J.C. Bosley Construction wv cert. Number:
Contract	tor's Phone: (304) 422 - 0025
Tank Nu	mber/s (from notification form): That I ( Trad Gallon )
I. T	ank Closure: Date: 10-17-95
A.	Tank:
[	Vapor purging methods: ENCTOR
	Tank cleaning methods: Steam cleaning. Tanks Destination Name: Bester TANK Dispused Facility
	Site Address: D.o. Box 67, mount UELLY WU 26150
	Tank Cleaned at destination: Yes \( \text{No} : If no where:
	Future use of the tank: SCLAP METAL  Transporter name: Reserv ID: WVD988 769931
Ł	
в.	Liquid removed from tank:  Type:GAS - WATER mix Amount in gallons: ≤ 35
-	
1	Reused Recycled X Hazardous Waste(HW) X Non-Hazardous How Reused Waste Number(HW): WV Poexo 6/88
ļ	Recycling Facility: Disposal Method:  Designated Facility Name: United Gaussamental
	Address: SAME > Address: J41 MCALER 2m0, Sex zillen PA
	Transporter Name: VEG
ļ	*provide receipt from Transporter ID(HW): PAD 987283140 facility.
Į	
c.	Solids & Tank Bottoms:
	Type:Amount:
	Hazardous Waste (HW): Non-Hazardous:
	Hazardous Waste (HW): Non-Hazardous: Disposal Method: Designated facility name:
	Designated facility name:
	Site Address: Transporter name:ID(HW):
· · · · · · · · · · · · · · · · · · ·	
II.	Piping Closure: Date: 10-17-95
-	A. Length of piping between tank & product dispenser: 20'  B. Piping closure method: Zenove AND SCRAP PIPE
III.	Tank Closure in Place: Date: NA
	A. Type of inert material used to fill tank: NA

Site Assessment: Date: 10-17-95
A. Free product present: Yes No No No Sampling: Date: 10-17-95
Type of Sampling device: Soils Water Type of sampling container: Soils Water
C. Analysis: BTEX 8020 (TPHU 2PA MODIFIED 8615, TPHS MODIFIED 8015  Lab Name: Relimee Labs
Date Analyzed: 10-25-45*Lab QA Plan should be available upon request A copy of the orginial sample report as received from the lab is
requested in accordance with 280.34.  D. Provide a diagram of the sample location and depths.
Certification:
I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inqiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment.

ĮÌ.

Signature of Contractor: Certification No.: Date Signed:

AB-125

Signature of UST Owner: Date Signed:

12-5-75

Return this form to the UST Inspector at the DEP District Office for the county where the tanks are located.

Bureau of Waste Management CRAZAH AR BHT RO MORTE AND P.O. Box 8550
Harrisburg, PA 17105-8550
OFFICIAL PENNSYLVANIA MANIFEST FORM

Form approved: OMB No. 2050-0039 Expires 9-30-96

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ER-WM-51 REV. 10/94		

	ORM HAZARDOI STE MANIFEST	US    W U F 20		1 8 8 1 10 6 8		2. Page 1 of	required by Forequired by St	ederal law bu	it may be
3. Generato	or's Name and Mailing Addi	ress PANTI	O UTA UTINO	AE Production design	us Walte M.	A. State Man	fest Document N	1602	271
		SEM T PADER	⊒⊔2:18 7•181 74 √	MA LIL T	्रां अंध क	B. State Gen.	ID		
		· 624-7681			A ALCTO A	·			
•	rter 1 Company Name	and the second s		6. US EPA ID Number		c. State Tran		 4.704	
	RITED FAUTED rter 2 Company Name	NMENTAL HARLIP	ु कि प्रक्रा	9 8 7 2 8 3 8. US EPA ID Number	4 4 6		er's Phone(〈^	431 4131 36	57~H265
•			1	taloucial in the state of the s	han soona			(14, 3,	
9. Designa	ted Facility Name and Site	Address	, .	10. US EPA ID Number		PA-/	<u> 4H</u>		
		INMENTAL BROUP	INC.	. ಇ <b>ಇ</b> ವಿಕ್ಷಣಗುವಾಗ	n ar eideach.	F. Transport		<u>)</u> .	
	241 MCALEER R	IDAD PA 15143	1 .0 0 0	9 8 7 2 8 3			Phone ( {41)	367	-0.25
	SEMICKTEA				12. Conta	iners	13.	14.	l.
		roper Shipping Name, Hazard			No.	Туре	in: Total Quantity	Unit Wt/Voi	Waste No
		MABLE LIQUID, ATER MIX DO01-		, UN 1993, :	2 2778 Y	1. 1213 mm 1363:	75	6	90 1886 317C
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	nal Descriptions for Materia			-			odes for Wastes I	isted Above	ı
Lab P	ack Physical State	9	Lab Pack	Physical State	الاحتياظة ياريونو	inc e '	,1		, jt
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15. Specia	al Handling Instructions and	d Additional Information				a 2 = <b>v</b> 3		4	
•	AT IN THE EVI	ENT OF AN EMER	IGENCY, CON	TACT JERRY W			-82E5		
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				ଜନ୍ମ ଅବସ୍ଥେତ । ପ୍ରସ୍ଥାନ୍ତ୍ର ସ				77.	45 1 E
			- V	್ ಉಂಡಾ ಕಾಲಾಗಿನ	1 N. A.CO. 1	au sahalah 	*,	(' )	- 1.9
16. GEN classi	NERATOR'S CERTIFI ified, packed, marked and I	ICATION: I hereby dec abeled and are in all respect erator, I certify that I have a	lare that the contents of is in proper condition for	of this consignment are full or transport by highway ac	ly and accuratel conding to appli	y described abo cable internation	ve by proper ship nal and national g	ping name a	ınd are egulations.
i practi	icadie and that I have selec	erator, I certify that I have a cted the practicable method small quantity generator, I ha	of treatment, storage,	or disposal currently avail	able to me whic	n minimizes the	present and tutu	ire threat to r	human healt
to me	and that I can afford.			Signature.	, t	1		MONTH	DAY Y
	EbbIE M	ILLER	, ,,	A. La	Lie V	wite.	Region (Marie <b>Supe</b> ra	1/21	0/19
	orter 1 Acknowledgement of Reted/Typed Name	ceipt of Materials		T Signature -		7/		MONTH	DAY Y
5	Carl Hame	1/24		Signature	Action State	of the		1/71	2/19
	orter 2 Acknowledgement of Re	ceipt of Materials		Cinnetura				17 15 P	DAY Y
Pnn	ted/Typed Name		•	Signature/	ent of Aute	ement of Fied core (MANE)		, MONTH	DAY , r.
19. Discre	epancy Indication Space			्रात्य स्थाप्त कर का करा		<del></del>		<del>-                                    </del>	<u>'</u>
		. 41		ি ত্তিপ্ৰায়ত <b>ভা</b> ষ	era skrese	g, -3T -∞-		Free S	H THTA 1
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		fication of receipt of hazardo	us materials covered b		noted in item 19.				
Prin	ted/Typed Name			Signature -		, A -m1 c		MONTH	DAY Y
1				l				1 , 1	,

	mplete one for each product							
	WV ID Number: 4805509 Closure Number: C-484045 EPA I.D. No.(HW):							
Owner/G	enerator's Name: The PANTLY STALE, INC. Owner Phone No. 1304)624-4000							
Owner/G	enerator's Address: P.O. DRAWFR 110, Clarksburg, WV							
Contrac	tor's Name: JC Bosley Construction WV Cert. Number:							
Contrac	tor's Phone: (304) 422 - 0025							
Tank Nu	mber/s (from notification form): Thit 2 (6,000 GAIlon)							
	ank Closure: Date: 15-17-95							
A.	Tank:							
	Vapor purging methods: ENCTOR  Tank cleaning methods: STEAM CLEANING.  Tanks Destination Name: Brstey Tank Dispusal Facility  Site Address: Do. Box 67, March VELLS, WU 26/50  Tank Cleaned at destination: Yes X No : If no where:  Future use of the tank: SCLAP METAL  Transporter name: Rixley ID: WVD988 769931							
В.	Liquid removed from tank:  Type: Gas - WarR mix Amount in gallons: ≈ 35							
	Reused Recycled_X							
	Address: 341 MCAUGO 2mD, Sew zilley, PA  *provide receipt from facility.  Address: 341 MCAUGO 2mD, Sew zilley, PA  Transporter Name: VEG  Transporter ID(HW): PAD 987283140							
c.	Solids & Tank Bottoms: Type:Amount:							
	Hazardous Waste (HW): Non-Hazardous: Waste Number(HW): Disposal Method: Designated facility name:							
	Transporter name: ID(HW):							
II.	Piping Closure: Date: 10-17-95							
	A. Length of piping between tank & product dispenser: \$20'  B. Piping closure method: Penoe No SCRAP PAPE							
III.	Tank Closure in Place: Date: NA							
	A. Type of inert material used to fill tank: NA							

Site Assessment: Date:	
A. Free product present: Yes No X  B. Sampling: Date: 10-17-95  Type of Sampling device: Soils	
Type of sampling container: Soils X Composite sample: Yes X	Water
C. Analysis: BTEX 8020 (TPHU EPA MODIFIED 8515)  Lab Name: Religious Labs  Date Analyzed: 10-20-45*Lab QA Plan should be A copy of the orginial sample report as recreated in accordance with 280.34.  D. Provide a diagram of the sample location ar	available upon request eived from the lab is
Certification:	
I certify under penalty of law that I have per am familiar with the information submitted in documents, and that based on my inqiry of those immediately responsible for obtaining the information is true, accurate I am aware that there are significant penaltic information, including the possibility of fine	this and all attached se individuals ormation, I believe ate, and complete. es for submitting false
Signature of Contractor: Certification No.:  #8-/25	Date Signed:
Signature of UST Owner:	Date Signed:

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Return this form to the UST Inspector at the DEP District Office for the county where the tanks are located.

OMB No. 2050-0039

ER-W	M-51 REV. 10/94 OFFICIAL PENNSYLVANIA MANIFEST FOF	1M				Expires 9-30-96
1	UNIFORM HAZARDOUS  1. Generator's US EPA ID No.  DO  ON  ON  ON  ON  ON  ON  ON  ON  ON	tanifest cument No.	2. Page 1 of	Information w required by Fi required by S	ederal law	
3.			A. State	lanifest Document N	umber _	271
1	thought of the constitution of SEO SOUTH ATH AVE HOTE IN		, 1	PAE 4	160	211
	PADEN WY !!	e* 	B. State	Sen. ID		
L	(304) 624-7601			· · · · · · · · · · · · · · · · · · ·		·
5.	Transporter 1 Company Name 6, US EPA ID Number		C. State 1		÷2	`.
L	UNITED ENVIRONMENTAL BROUP P A 9 8 7 2 8 \$  Transporter 2 Company Name 8. US EPAID Number	1 4 1 13 1			¥31	0 000
1	Transporter 2 Company Name 8. US EPA ID Number	, -	D. Trans		413)	367~8263
9	Designated Facility Name and Site Address 10. US EPA ID Number			-AH	A	1
	UNITED ENVIRONMENTAL GROUP INC.			orter's Phone (	1	
	241 MCALEER ROAD			Facility"s ID		
	SENICKLEY 200 PA 15143   PA D 9 8,7 28 8 3	1, 4, 9,	H. Facilit	y's Phone ( {41)	E) 36	7-8255
1	US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Conta	Type	13. Total Quantity	14. Unit Wt/Vol	i. Waste No. 34
a	RO WASTE FLAMMABLE LIQUID, N.O.S., #3, UN 1993,	1		**, *,		20.00
	PG II (GAS/WATER MIX D&01-D018)	1 7	∌	- 65m	ے د	0001
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L	service of the servic	, ,	<u> </u>		,	·
-	. Additional Descriptions for Materials Listed Above  Lab Pack Physical State Lab Pack Physical State		K. Handlin	g Codes for Wastes	Listed Abo	ve
	a.		1		7. 1. 3	യാണ് വിവരം
H			a A:	mes1 c		
	b. 377 300 30003 d. 1		b. 1367.7	10. 200 y	โลษร	
	5. Special Handling Instructions and Additional Information		100		mar m.	randaristic Corp.
	A: IN THE EVENT OF AN EMERGENCY, CONTACT JERRY WE	LKER AT	412-3	57-82E5	. : .	
			5			
	en de la companya de La companya de la co	* 3			1. 12	1
	•					
	is a fact of the control of the second of th		ъ		K 500	. 4 - Er. 65
	16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are full	ly and accurate	v described	above by proper ship	ping name	and are
	16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are ful classified, packed, marked and labeled and are in all respects in proper condition for transport by highway actif I am a large quantity generator, I certify that I have a program in place to reduce the volume and to practicable and that I have selected the practicable method of treatment, storage, or disposal currently avail the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my was	cording to appli xicity of waste ( able to me whice ste generation a	cable interna generated to h minimizes nd select th	ational and national of the degree I have of the present and futu best waste manage	jovernmen determined are threat to ement met	t regulations. I to be economically o human health and hod that is available
<b> </b>	to me and that I can afford.  Printed/Typed Name Signature,				MONTH	DAY YEAR
	DEBBIE MILLER	Ence Y	124	ora di La Projek Pandana di Karangan	11.2	10/195
	17. Transporter 1 Acknowledgement of Receipt of Materials		1		1/	VEAR.
	Printed/Typed Name Signature	A	A Commence of the State of the	t y wet in	MONTH	DAY YEAR
S	18. Transporter 2 Acknowledgement of Receipt of Materials	الميسمنينات مرا	P. J. C.C.	7	1/16	12/1/2
RANSPORTER	Printed/Typed Name Signature/	1 .,	96 t .	e general	MONTH	DAY YEAR
7	19. Discrepancy Indication Space		.1			<u> </u>
F	The state of the s		_			A4 7. TA 15
Ĉ	ୁ ପୁରୁ ପ୍ରତିଶ କଥା ପର୍ମ୍ବର କୁନ୍ଦିନ୍ତ <b>ପ</b> ର୍ମ୍ବର ଓ ଅଟନ । ଅଟନ ପ୍ରତିଶ କଥା କଥା ହେଉଛି । ପ୍ରତିଶ ଓ ଅନ୍ତର୍ମ ଓ ଅନ୍ତର୍ମ । ଅଟନ ଅଟନ ଓ ଅଟନ ଅଟନ ଓ ଅଟନ ।			1881) - 1971 Mari	12 m	
	20. Facility owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as	noted in Item 19				
†	Printed/Typed Name Signature				MONTH	OAY YEAR
ΥÌ					1	1 1

· · · · · · · · · · · · · · · · · · ·	
	one for each product  #805509  Closure Number:EPA I.D. No.(HW):
	nerator's Name: The PANTRY STORE, INC. Owner Phone No. 1304)624-4
	nerator's Address: P.O. DRAWAR 110, Clarksburg, WV
Contracto	or's Name: J.C. Bosley Construction WV Cert. Number:
Contracto	or's Phone: (304) 422 - 0025
Tank Numl	ber/s (from notification form): Thukk 3 (5,000 64(lon))
I. Ta	nk Closure: Date: 10-18-95
A. T	ank:
v	apor purging methods: EDUCTOR
T	ank cleaning methods: STEAM CLEANISC
1	anks Destination Name: Besley TANK Disposed Facility  Site Address: Do. Box 67, March UELLS, WU 26/50
	ank Cleaned at destination: Yes X No :If no where:
	uture use of the tank: SCLAP MEML
T	ransporter name: Busky ID: WVD988 769931
B. L	iquid removed from tank:  ype: <u>GAS - UATR mix</u> Amount in gallons: ≈35
	eused Recycled_X   Hazardous Waste(HW)_X Non-Hazardous
H	low Reused   Waste Number(HW): WV Poecoo 6188
R	Designated Facility Name: United Engineertal
Ā	iddress: SAME -> Address: 241 MCAUGR KMD. Sew zillen PA
١.	Transporter Name: <u>VEG</u>
	provide receipt from Transporter ID(HW): PAD 987283140
L	
c. s	Solids & Tank Bottoms:
	Type:Amount:
H	lazardous Waste (HW): Non-Hazardous:
W	Non-Hazardous:  Waste Number(HW):  Disposal Method:  Designated facility name:
Į E	Designated facility name:
T	Site Address: ID(HW):
L	
	Piping Closure: Date: 10-17-95
I F	A. Length of piping between tank & product dispenser: 20'  3. Piping closure method: Penol NO SCLAP PAR
111.	Tank Closure in Place: Date: NA
7	A. Type of inert material used to fill tank: NA

Si	te Assessment: Date:
B.	Free product present: Yes No Sampling: Date: 10-18-95  Type of Sampling device: Soils Water  Type of sampling container: Soils Water  Composite sample: Yes No No Analysis: Brex 8020 (TPHU 2PA moderate 8515, TPHS Wilder 8015  Lab Name: Relimee Labs  Date Analyzed: 10-2045*Lab QA Plan should be available upon request A copy of the orginial sample report as received from the lab is
D.	requested in accordance with 280.34.  Provide a diagram of the sample location and depths.
Ce	rtification:
an dc in th	certify under penalty of law that I have personally examined and familiar with the information submitted in this and all attached cuments, and that based on my inqiry of those individuals mediately responsible for obtaining the information, I believe at the submitted information is true, accurate, and complete. am aware that there are significant penalties for submitting false aformation, including the possibility of fines and imprisonment.
Si	Ignature of Contractor: Certification No.: Date Signed:

Return this form to the UST Inspector at the DEP District Office for the county where the tanks are located.

Date Signed: 12-5-95

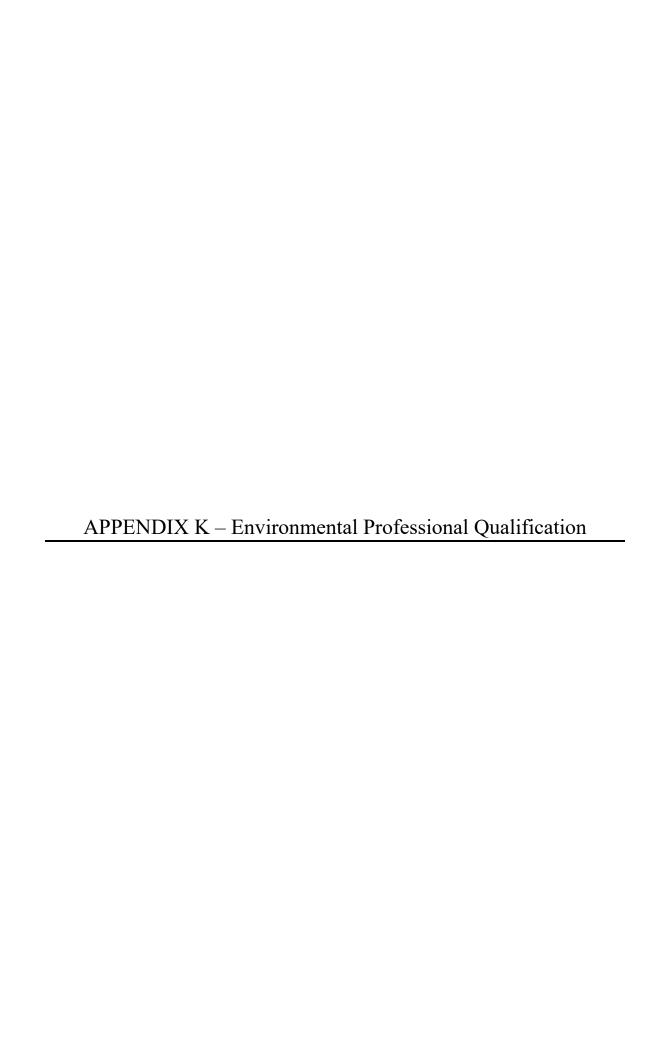


### PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES

Bureau of Waste Management CARDCARDCARD AND BUREAU OF THE PART AND ADDRESS AND P.O. Box 8550
Harrisburg, PA 17105-8550
OFFICIAL PENNSYLVANIAMANIFEST FORM
OFFICIAL PENNSYLVANIAMANIFEST FORM

OMB No. 2050-0039 Expires 9-30-96

T	UNIFORM NAZARDOUS	enerator's US EPA ID No.	Doc	enfleet ument No.	2. Page 1 of	information with required by Fed required by Sta	ional law bu	t may be · "	
3.	Generator's Name and Mailing Address	RY STORE # 9	<b>8 8 </b>	8000 c . 3 - 4	A. State Mani	est Document Nur	nber		
	U. W. se Manufes Contract AVA HTUDE 03E								
	PADE	N (2.37)	We are mismort of	s.vietr .ari 8.den .	B. State Gen. ਂਦਾ ਹਵੇਂ ਮਹ				
5	(304) 624-7691 Transporter 1 Company Name 6. US EPA ID Number				C. State Trans. ID				
	INTTED ENVIRONMENTAL HARRID   IP A B 9 8 7 2 8 3 4 4 6			PA-AH @431					
7	Transporter 2 Company Name 8. US EPA ID Number					D. Transporter's Phone ( (413) 367-8265			
	130, 1312, 100, 00, 101, 101, 101, 101, 101, 10				PA-AH MARKA SUBSPACE				
9	Designated Facility Name and Site Address  10. US EPA ID Number					F. Transporter's Phone ( )			
	241 MCALEER ROAD	a signi akana. A signi a signi akana							
L	SENTEKLEY PA 15143 PA P 9 BI 7 2 B 3				H. Facility's Phone ( (41£) 367-8255				
Ι,	1. US DOT Description (Including Proper Shipping Name, Haza	rd Class, and ID Number)	i den ustum,	12. Conta		11 13. 15元 Total 3.4(		L Waste No. 34	
a	RO WASTE FLAMMABLE LIGUID	N D C AT	184 1003	No.	Type	Quantity	Wt/Vol		
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F	J. Additional Descriptions for Materials Listed Above  Lab Pack Physical State Lab Pack Physical State  K. Handling Codes for Wastes Listed Above								
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	15. Special Handling Instructions and Additional Information								
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16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government reg. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to hur									
								egulations.  be economically	
$\  \ $	practicable and that I have selected the practicable metho the environment; OR, if I am a small quantity generator, I to me and that I can afford,	a on neamment, atotalie, o	i mohoodi camerini avand	DIG IO HIG WHIL	I HBRINIES DIE	biesein and inmic	mager in i	MINDLE DEGINED OF UT	
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4	DEBALE MILLER  17. Transporter 1 Actnowledgement of Receipt of Materials		1 Duly	ue/l	4-	400	14	0/195	
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	20. Facility owner or Operator: Certification of receipt of hazard	ous materials covered by				art of 10-1	* 1 *	•	
†   T	Printed/Typed Name		Signature		1 A 91 Cg	r" zę∗ • ,	MONTH	DAY YEAR	
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## Daniel E. Brady, MS - Environmental Scientist I

The Thrasher Group, Inc. 160 Association Drive Charleston, WV 25311

### **Resume and Statement of Qualifications**

Daniel Brady is an Environmental Scientist I that brings over six years of professional environmental experience. Since coming to Thrasher, Daniel has been involved with stream and wetland delineations; investigating sites for contamination/potential remediation activities; conducting Phase I and II ESAs; NEPA compliance for EDA and FTA funded projects; E&S inspections; stormwater sampling; and groundwater and soil sampling in support of remediation projects in the WVDEP Voluntary Remediation Program (VRP). Daniel is responsible for conducting field assessments, research of previous property uses, and summarizing information in report format for Phase I & II ESAs in compliance with ASTM guidance documents. He has become well versed in WVDEP's VRP and the required steps to accomplish site assessment, risk assessment and remediation planning to obtain a certificate of completion from the WVDEP VRP.

Previously, Mr. Brady worked for Marshall University as a graduate and research assistant and for a West Virginia based consulting firm. At his previous positions, he has been involved in various environmental assessments; including stream and wetland delineations; permitting; mitigation monitoring and reporting; stream flow monitoring; crayfish surveys; and algae, benthic macroinvertebrate, sediment, and water sampling.

#### Education

Master of Science, Environmental Science Marshall University

Bachelor of Science, Environmental Science Marshall University

#### **Certifications and Training**

Aquatic Insects Identification to Family Level (SFS) WV Commercial Pesticide Applicator – Section 7. ROW/Industrial Weed

ARC Adult First Aid / CPR / AED
MSHA 24-hour Safety Sensitive Personnel
OSHA 10-hour Site Safety Training
OSHA 30-hour Construction Worker Safety Training
OSHA 40-hour HAZWOPER
SAFELAND
Wetland Delineation Training (Swamp School & WVRAM)

## **Work History Summary**

- The Thrasher Group, Charleston, West Virginia Environmental Scientist I, August 2021 – Present
- Alliance Consulting, Beaver, West Virginia Staff Scientist, October 2018 – August 2021
- Marshall University, Huntington, West Virginia Research Associate, May 2018 – August 2018
- Marshall University, Huntington, West Virginia
   Graduate Research Assistant, May 2017 December 2017
- Marshall University, Huntington, West Virginia
   Lead Teaching Assistant, January 2017 May 2018

## Samuel P. Wilkes, PWS, LRS - Qualified Environmental Professional

The Thrasher Group, Inc. 160 Association Drive Charleston, WV 25311

### **Resume and Statement of Qualifications**

Sam Wilkes has over 24 years of environmental consulting experience as an environmental project manager, senior environmental scientist, and qualified environmental professional in support of environmental site assessments, environmental planning and site development projects. As an environmental scientist, he has been involved in various environmental assessments, including stream and wetland delineations, botanical habitat surveys, wetland monitoring, stream assessment investigations, stormwater sampling, soil sampling, surface water and groundwater monitoring. Mr. Wilkes is certified as a Licensed Remediation Specialist (LRS) with the WVDEP and is managing several Voluntary Remediation Program sites in WV. His expertise includes natural resource assessment, hazardous materials investigations, aboveground storage tank (AST) inspections and closures, remediation, and regulatory permitting facilitation. He has provided environmental consulting services for a wide range of municipal, state, federal and private clients including wetland assessment and delineations, stream and watershed assessments, wetland mitigation and stream restoration monitoring, feasibility studies and environmental construction monitoring. Mr. Wilkes is knowledgeable of environmental resources and environmental remediation solutions. He possesses expert technical knowledge of environmental laws and regulations.

Mr. Wilkes meets the definition of the ASTM E1527-21 and ASTM E2247-16 Environmental Professional to conduct Phase I Environmental Site Assessments (ESAs) and has completed numerous Phase I ESAs and follow up Phase II ESAs during his career.

#### **Education**

Master of Science, Environmental Science & Policy Johns Hopkins University; 2003

Bachelor of Science, Earth & Environmental Science Wilkes University, 1996

### **Certifications and Training**

Licensed Remediation Specialist Senior Professional Wetland Scientist Transportation Worker Identification Credential (TWIC)

OSHA 40-hour HAZWOPER OSHA 30-hour Construction Worker Safety Training OSHA 10-hour Construction Worker Safety Training Wilderness First Aid, CPR & AED SAFELAND

#### **Work History Summary**

- The Thrasher Group, Charleston, West Virginia Environmental Project Manager, December 2020-Present
- Rummel, Klepper & Kahl, LLP (RK&K), Charleston, West Virginia.
   Project Manager, August 2017- March 2020

- TERRADON Corporation, Nitro, West Virginia. Vice President, Geo-Environmental Department, April 2014 – July 2017
- Tetra Tech, Inc., Charleston, West Virginia.
   Project Manager/Senior Environmental Scientist, December 2003–March 2014
- McCormick Taylor, Baltimore, Maryland. Environmental Scientist, September 2001–December 2003
- Dynamac Corporation, Rockville, Maryland.
   Environmental Scientist, April 1997–September 2001
- Wilkes University, Earth & Environmental Science Department, Wilkes-Barre, PA. Research Assistant, July 1995

  April 1997