



Environmental Assessment Worksheet

Grantee	Village of Crooksville
Grant Number	OH-22014-2024
Activity Name	Crooksville WW Pump Station Improvements
Activity Location	Crooksville, Ohio

Activity Description:

The proposed project will replace two Lift Stations (B1 & B6) within the Village of Crooksville. The Lift Stations are nearing the end of their useful life and are critical to the operation of the village’s wastewater collection system. Lift Station B1 is located on the north side of East Main Street west of Sycamore Street, and Lift Station B6 is at the northeast corner of State Street and Mohican Drive. The replacement lift stations are within the limits of the Village of Crooksville and will be constructed adjacent to the existing systems. A new 10-inch force main will connect the replacement B1 lift station to the existing 10-inch force main running to Roseville, and a new 4-inch force main will connect the replacement B6 lift station to the same existing force main. The two replacement lift stations will use submersible pumps installed in HDPE wet wells. The majority of construction activities will be subsurface and will not affect the viewshed. The new segment of force main that will enable Lift Station B1 to pump to Roseville will be installed by horizontal directional drilling within the State Street right of way from South Delaware Drive to the existing force main near new Lift Station B6.

All construction activities will occur within the developed urban area of the Village of Crooksville. The new 10” Force Main that will be extended from South Delaware Drive to the existing 10” Force Main north of Mohican Drive will be constructed solely within the road right-of-way. Horizontal drilling will be used to cross under N. State Street. All construction activities will be subsurface.

Determination:

- Finding of No Significant Impact (FONSI), whereby the Responsible Entity may proceed to Dissemination and publication of the FONSI, per regulations found at 24 CFR Section 58.43(a).
- Finding of Significant Impact, whereby the Responsible Entity must proceed to develop an Environmental Impact Statement (EIS) in compliance with 24 CFR Part 58, Subparts F or G.

Preparer Name: **Trina Woodland**

Signature Trina Woodland

Date: 12/2/24

List of Attachments

<input checked="" type="checkbox"/> Location Map
<input checked="" type="checkbox"/> Site Photographs
<input checked="" type="checkbox"/> Copies of other Environmental Analyses (if applicable) List: Ohio Department of Natural Resources, State Historic Preservation Office, U.S. Fish and Wildlife
<input checked="" type="checkbox"/> <input type="checkbox"/> Other Relevant Correspondence and Notifications (if applicable) List: Army Corp of Engineers
<input checked="" type="checkbox"/> Statutory Checklist Supporting Documentation
<input checked="" type="checkbox"/> Environmental Assessment Checklist Supporting Documentation
<input checked="" type="checkbox"/> Combined Notice: Finding of No Significant Impact (FONSI) and Notice of Intent to Request Release of Funds (NOI/RROF) Date: 12/3/24
<input checked="" type="checkbox"/> Request for Release of Funds (RROF) Date: 12/19/24
<input checked="" type="checkbox"/> Release of Funds (ROF) Date: 1/6/25
<input type="checkbox"/> Additional Documentation Describe:



Statutory Checklist Instructions:

For each of the environmental laws and authorities listed below, determine the level of compliance required and provide a narrative explanation and list of supporting documentation. **The narrative must explain decision-making and compliance procedures.** Attach all supporting documentation to this worksheet.

Statutory Checklist

Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5	Compliance Required?	Explanation and List of Compliance Documentation
<p>Historic Preservation</p> <p>Resources: State Historic Preservation Office HUD Historic Preservation</p>	<p>No- - -</p>	<p>The project will have no effect on historic properties. 106 submitted to OHPO on 8/7 SHPO 106 Review attached (Attachment A). SHPO Section 106 Review certification letter attached (Attachment B).</p>
<p>Floodplain Management</p> <p>Resources: Floodplain Maps Floodplain Administrators HUD Floodplain Management</p>	<p>No- - -</p>	<p>The Village of Crooksville is split into two sections which lie along the eastern and western banks of Moxahala Creek. Construction activities involving the replacement of two pump stations (B1 & B6) will occur solely on the eastern side of Moxahala Creek. Based on the Flood Insurance Rate Map, Pump B1 is not within the Floodway or the Flood Plain. Pump Station B6 is located in Zone X outside of the 500-year flood plain. The Division of Water Resources states that the local floodplain administrator should be contacted concerning the possible need for floodplain permits or approvals for this project. The Floodplain Administrator for Perry County is Mike Carder, Village Engineer/FPA, Perry Village Municipal Center, 3758 Center Road, Perry, OH 44081, Ph: 440-259-2671</p> <p>FEMA FIRM map attached (Attachment C).</p>
<p>Wetland Protection</p> <p>Resources: NRCS Web Soil Survey National Wetlands Inventory Ohio EPA Division of Surface Water</p>	<p>No- - -</p>	<p>Based on the National Wetlands Inventory Maps, there are no wetlands present in the project area of either Pump Station B1 or Pump Station B6. According to the USDA NRCS Soil Survey Map, soils present in the project area for Pump Station B1 and Pump Station B6 include Nolan silt loam, 0 to 3 percent slopes, occasionally flooded and Wellston sil loam, 8 to 15 percent slopes.</p>

Statutory Checklist

Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5	Compliance Required?	Explanation and List of Compliance Documentation
US Army Corps of Engineers Regulatory (Permits) HUD Wetlands Protection		USDA NRCS Soil Survey map attached (Attachment D). There are no identified wetlands within the project area. National Wetlands Inventory map attached (Attachment E). US Army Corp of Engineers and NWP 3 Permit (Attachment F).
<p align="center">Coastal Zone Management</p> Resources: ODNR Office of Coastal Management Ohio Coastal Atlas Map Viewer HUD Coastal Zone Management	<p align="center">No- - -</p>	<p align="center">The proposed project is not in a coastal zone management area.</p> ODNR Coastal Erosion map attached (Attachment G). ODNR Coastal Management map attached (Attachment H). ODNR Coastal Barrier map attached (Attachment I).
<p align="center">Sole Source Aquifers</p> Resources: Ohio EPA Sole Source Aquifers in Ohio HUD Sole Source Aquifers	<p align="center">No- - -</p>	<p align="center">According to the Ohio EPA Sole Source Aquifer Map, the proposed project site is not located within a sole source aquifer, therefore no impacts will occur.</p> Ohio EPA Sole Source Aquifers map attached (Attachment J)

Statutory Checklist

Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5	Compliance Required?	Explanation and List of Compliance Documentation
<p align="center">Endangered Species</p> <p>Resources: US Fish & Wildlife Service Section 7 information Endangered Species in Ohio ODNR Environmental Review HUD Endangered Species</p>	<p align="center">No- - -</p>	<p>According to a U.S. Fish and Wildlife IPaC desktop review, completed on 8/14/24, there are a total of five threatened, endangered, or candidate species that are potentially present in the project area; the Indiana Bat (<i>Myotis sodalis</i>); the Northern Long-eared Bat (<i>Myotis septentrionalis</i>); the Tricolored Bat (<i>Perimyotis subflavus</i>); the American Burying Beetle (<i>Nicrophorus Americanus</i>); and the Monarch Butterfly (<i>Danaus Plexippus</i>). There are no trees within the project area and no tree removal will occur as part of the project. No critical habitat in the project area has been designated for the Northern Long-eared Bat, the Tricolored Bat, the American Burying Beetle, or the Monarch Butterfly. In addition, the project locations do not overlap the critical habitat for the Indiana Bat. The Division of Wildlife commented that impacts to streams, wetlands and other water resources be avoided and minimized to the fullest extent possible, and that Best Management Practices be utilized to minimize erosion and sedimentation. If trees are present in the project area, and trees must be cut, the Division of Wildlife recommends cutting only occur from October 1 through March 31, conserving trees with loose, shaggy bark and/or crevices, holes, or cavities, as well as trees with DBH>20 if possible. The Division of Wildlife recommends that a desktop habitat assessment be conducted, followed by a field assessment if needed, to determine if a potential hibernaculum is present within the project area. If a habitat assessment finds that a potential hibernaculum is present within .25 miles of the project area, information should be sent to Eileen Wyza, Eileen.Wyza@dnr.ohio.gov for project recommendations.</p> <p>The project is within the range of the spotted darter (<i>Etheostoma maculatum</i>), a state-endangered fish. No in-water work is proposed in a perennial stream, so this project is not likely to impact this or other aquatic species. The project is within the range of the eastern spadefoot (<i>Scaphiopus holbrookii</i>), a state endangered species. Due to the location, the type of habitat within the project area, and the type of work proposed, this project is not likely to impact this species. Due to the potential of impacts to federally listed species, as well as to state listed species, the Ohio Department of Natural Resources recommends that this project be coordinated with the US Fish & Wildlife Service.</p> <p>ODNR request for Environmental Review sent on 8/12.</p> <p>ODNR Environmental Review Request attached (Attachment K)</p> <p>ODNR Environmental Review Response attached (Attachment L)</p> <p>U.S. Fish & Wildlife Response and Consistency Letter (Attachment M)</p>

Statutory Checklist

Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5	Compliance Required?	Explanation and List of Compliance Documentation
<p align="center">Wild and Scenic Rivers</p> <p>Resources: ODNR Scenic Rivers HUD Wild and Scenic Rivers</p>	<p align="center">No Impact Anticipated No - - -</p>	<p>There are no Wild and Scenic Rivers in Perry County, as defined by the Ohio Department of Natural Resources.</p> <p>Wild and Scenic Rivers Map attached (Attachment N).</p>
<p align="center">Air Quality</p> <p>Resources: US EPA Green Book Ohio EPA State Implementation Plans HUD Air Quality</p>	<p align="center">No</p>	<p>USEPA Air Quality maps indicate that Perry County is not in a Maintenance or Non-attainment Area for Ozone. Perry County is not listed in the USEPA Green Book for Nonattainment/Maintenance Status for All Criteria Pollutants.</p> <p>Air emissions produced in the project areas by the proposed project will be short-term. Machinery exhaust during construction will be minimal and temporary. All machinery will be required to be in good working order. Best management practices shall be employed by the contractors to minimize the occurrence of dust during construction.</p> <p>Air Quality Maps attached (Attachment O).</p>
<p align="center">Farmland Protection</p> <p>Resources: NRCS Farmland Protection Policy Act HUD Farmlands Protection</p>	<p align="center">No</p>	<p>A Farmland Conversion Impact Review for both project sites. The Natural Resource Conservation Service responded that the sites are urban/built-up, and not subject to FPPA.</p> <p>NRCS Review Request (Attachment P)</p> <p>NRCS Response attached (Attachment Q).</p>
<p align="center">Noise Abatement and Control</p> <p>Resources: HUD Noise Abatement and Control HUD Noise Guidebook HUD Day/Night Noise Level Electronic Assessment Tool HUD Sound Transmission Classification Assessment Tool ODOT Traffic Monitoring Ohio Airport Information Airport Master Records and Reports PUCO/ORDC Railroad Information System Federal Railroad Administration Query by Location tool</p>	<p align="center">Yes - - -</p>	<p>The Village of Crooksville has a Noise Ordinance which states that the <i>sound or noise from the erection, excavation, demolition, alteration or repair of any building or structure, between the hours of 9:00 p.m. and 7:00 a.m., shall not be at a level which disturbs or annoys persons of ordinary and normal sensitivities.</i></p> <p>The Center for Hearing and Communications estimates noise levels for this environment at approximately 40 dba. Noise disturbance associated with construction activities for this project will be short term. All construction equipment will operate during daylight hours only, between the hours of 7:00 a.m. and 6:00 p.m.. The completed project will have no impact on noise levels.</p>

Statutory Checklist

Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5	Compliance Required?	Explanation and List of Compliance Documentation
		<p>There is a small private airfield approximately 5 miles north of the B6 Pump Station, which is the closest project site to the airfield.</p> <p>Map displaying project sites and airport locations attached (Attachment R).</p> <p>Crooksville Noise Ordinance Attached (Attachment S).</p>
<p>Airport Clear Zones and Accident Potential Zones</p> <p>Resources: Ohio Airport Information HUD Airport Hazards Airport Master Records and Reports</p>	<p>No- - -</p>	<p>The proposed project sites are not located in an Airport Clear Zone or Accident Potential Zone.</p>
<p>Explosive and Flammable Operations</p> <p>Resources: HUD Explosive and Flammable Facilities US EPA NEPAassist US EPA Envirofacts HUD Choosing an Environmentally Safe Site Acceptable Separation Distance Calculator Acceptable Separation Distance Guidebook</p>	<p>No- - -</p>	<p>The project will replace two wastewater pump stations that have reached end of useful life and will involve no conversion of farmland. There are no known above-ground stationary storage tanks near the project area. The project will not increase residential densities, or farmland conversion. The project does not include the development of a hazardous facility.</p> <p>Report on Detailed Plans & Specifications Attached (Attachment T)</p> <p>Explosive and Flammable Facilities Worksheet Attached (Attachment U)</p>

Statutory Checklist

Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5	Compliance Required?	Explanation and List of Compliance Documentation
<p align="center">Site Contamination</p> <p>Resources: HUD Site Contamination US EPA NEPAAssist US EPA Envirofacts Ohio EPA Asbestos Program Ohio EPA Notification of Demolition and Renovation Ohio Tank Tracking & Environmental Regulations HUD Choosing an Environmentally Safe Site</p>	<p align="center">No- - -</p>	<p>Project will replace two wastewater pump stations. The site of the former Watt Pottery facility lies approximately 1000 feet NW of the Pump B1 site. The Watt Pottery site is identified as a brownfield site. The Enforcement and Compliance History Online (ECHO) report for the site lists the date of last compliance monitoring as March 24, 2022. At that time, there were no violations identified at the site. There is one brownfield site approximately 1500 feet NW of the Pump B6 site. The brownfield was formerly the site of Coachman Industries and PCC Airfoils and is currently abandoned. The ECHO report lists no identified violations. The NepaAssist mapping does not identify the pump station sites as having contamination. In addition, all construction activities will be carried out using enclosed, subsurface components that will be impermeable to site contamination. No demolition will occur as a result of the project.</p> <p>NEPA Assist Maps Attached (Attachment V)</p>
<p align="center">Environmental Justice</p> <p>Resources: HUD Environmental Justice US EPA Environmental Justice US EPA EJSCREEN</p>	<p align="center">No- - -</p>	<p>Project will not create any adverse environmental impacts upon low-income or minority communities. All construction will take place within the footprint of the existing pump stations. No displacement will occur as a result of the project and no farmland will be converted. The completion of the project will result in an overall positive benefit to residents of the Village of Crooksville.</p> <p>EJ Screen Community Report Attached (Attachment W)</p> <p>EJ Screen ACS Summary Report Attached (Attachment X)</p>



Environmental Assessment Checklist Instructions:

Evaluate the significance of the effects of the proposed activity on the character, features, and resources of the project area. Provide a narrative explanation and list of supporting documentation. **The narrative must explain decision-making and compliance procedures.** Attach all supporting documentation to this worksheet. For technical assistance, see HUD's [Environmental Assessment Factors Guidance](#).

Environmental Assessment Checklist

Land Development		
Impact Category	Impact Code	Explanation and List of Source Documentation
Conformance with Plans / Compatible Land Use and Zoning / Scale and Urban Design	No Impact Anticipated- - - - -	The proposed project is to replace two Pump Stations within the Village of Crooksville. All improvements will take place within the footprint of the existing Pump Stations and road right-of-ways. No impact on land use is anticipated.
Soil Suitability / Slope / Erosion / Drainage / Storm Water Runoff	No Impact Anticipated- - - - -	According to Dennis DeNiro, P.E. and Ryan Laake, P.E., Project Engineer and Engineering Unit Supervisor respectively, for the Division of Environmental and Financial Assistance OEPA, Crooksville's proposed project will not result in an increase in pollutant loadings discharged to the waters of the State of Ohio. No pipelines will cross or run parallel to streams. Sediment and erosion controls will be used during the construction to minimize run-off from construction-related activities. Areas disturbed by the project will be stabilized and restored after the construction. Therefore, the project is not subject to antidegradation review by Ohio EPA under OAC 3745-1-05. (Report on Detailed Plans and Specifications - Attachment T)
Hazards and Nuisances Including Site Safety and Noise	No Impact Anticipated- - - - -	The proposed project will replace two Pump Stations within the Village of Crooksville. No long-term hazards, site safety or noise issues will result from the project. Short-term concerns relate to the use of construction equipment necessary to implement the project. All construction activities will be limited to daylight hours and will be in compliance with the Village of Crooksville's Noise Ordinance # 2340 (Attachment S). Machinery will be kept in good working order and all best management practices will be observed to decrease noise and dust during construction.

Environmental Assessment Checklist

Land Development

Impact Category	Impact Code	Explanation and List of Source Documentation
Energy Consumption	Potentially Beneficial- - - - -	The project will replace two Pump Stations that have reached the end of useful life. Any impact on energy consumption is expected to be positive as a result of upgraded, more energy efficient equipment.

Socioeconomic

Impact Category	Impact Code	Explanation and List of Source Documentation
Employment and Income Patterns	No Impact Anticipated- - - - -	The project will result in improvements to the function of the wastewater system and will have no impact on employment and income patterns.
Demographic Character Changes, Displacement	No Impact Anticipated- - - - -	The completion of this project will not result in demographic character changes or displacement within the Village of Crooksville or surrounding area.

Community Facilities and Services

Impact Category	Impact Code	Explanation and List of Source Documentation
Educational and Cultural Facilities	Potentially Beneficial	The completion of upgrades to Crooksville Wastewater collection system may result in an overall positive benefit to educational and cultural facilities that are located in the project area and served by the Village of Crooksville's Wastewater Collection System. The upgraded equipment will function with greater efficiency and requiring less maintenance and decreasing chance of system failure.
Commercial Facilities	Potentially Beneficial- - - - -	The completion of upgrades to Crooksville Wastewater collection system may result in an overall positive benefit to commercial facilities that are located in the project area and served by the Village of Crooksville's Wastewater Collection System. The upgraded equipment will function with greater efficiency and result in less maintenance and less chance of system failure, decreasing the chance of disruption to the operation of commercial facilities in the service area.

Environmental Assessment Checklist

Community Facilities and Services		
Impact Category	Impact Code	Explanation and List of Source Documentation
Health Care and Social Services	Potentially Beneficial- - - - -	The completion of upgrades to Crooksville Wastewater collection system may result in an overall positive benefit to health care and social services agencies that are located in the project area and served by the Village of Crooksville's Wastewater Collection System. The upgraded equipment will function with greater efficiency and result in less maintenance and less chance of system failure, decreasing the chance of disruption to health care and social services that rely on Crooksville's Wastewater collection system.
Solid Waste Disposal / Recycling	No Impact Anticipated- - - - -	The project will have no effect on solid waste disposal or recycling.
Waste Water / Sanitary Sewers	Potentially Beneficial- - - - -	The replacement of two end-of-life pump stations will improve the function and efficiency of Crooksville's Wastewater collection system providing a positive benefit.
Water Supply	No Impact Anticipated- - - - -	The project will not result in an increase in pollutant loadings discharged to the water of the State of Ohio. No pipelines will cross or run parallel to streams. Sediment and erosion controls will be used during the construction to minimize run-off from construction-related activities. Areas disturbed by the project will be stabilized and restored after the construction, therefore, the project is not expected to have any effect on water supply. (Report on Detailed Plans and Specifications - Attachment T)
Public Safety – Police, Fire and Emergency Medical	No Impact Anticipated- - - - -	The project will have no effect on public safety
Parks, Open Space and Recreation	No Impact Anticipated- - - - -	The project will have no effect on parks, open space or recreation except that which may result from the upgraded pump stations, which may provide some marginal benefit.
Transportation and Accessibility	No Impact Anticipated- - - - -	The project will have no impact on transportation and accessibility.

Environmental Assessment Checklist

Natural Features		
Impact Category	Impact Code	Explanation and List of Source Documentation
Unique Natural Features, Water Resources	No Impact Anticipated- - - - -	The project will have no effect on any unique natural features or water resources.
Vegetation and Wildlife	No Impact Anticipated- - - - -	The project will have no effect on vegetation and wildlife in the project areas. All construction activities will be conducted within the existing footprint of the current lift stations and will not affect any wildlife habitats or vegetation.
Other Factors	No Impact Anticipated- - - - -	N/A

24 CFR Section 58.6 Requirements

Airport Runway Clear Zones and Clear Zones Notification

[24 C.F.R. Part 51.303(a)(3)]

Does the project involve the sale or acquisition of property located within a Civil Airport Runway Clear Zone or a Military Airfield Clear Zone?

No. **Attach Source Document: (Attachment R - Airports)**
(Project complies with 24 CFR 51.303(a)(3).)

Yes. **Notice must be provided to buyer.** The notice must advise the buyer that the property is in a Runway Clear Zone or Clear Zone, what the implications of such a location are, and that there is a possibility that the property may, at a later date, be acquired by the airport operator. The buyer must sign a statement acknowledging receipt of this information. (for a sample notice, see the [HUD Exchange](#)) **(attach a copy of the signed notice)**

Coastal Barrier Resources Act

[Coastal Barrier Improvement Act of 1990 (16 U.S.C. 3501)]

Is the project located in a [coastal barrier resource area](#)?

No. **Cite or attach Source Document. (Attachment H – Coastal Barrier Resource Map)**
(Proceed with project.)

Yes. Federal assistance may not be used in such an area.

Flood Disaster Protection Act*

[Flood Disaster Protection Act of 1973, as amended (42 U.S.C. 4001-4128)]

Does the project involve acquisition, construction or rehabilitation of structures located in a FEMA-identified Special Flood Hazard Area?

No. **Attach copy of [Flood Insurance Rate Map \(FIRM\)](#) (Attachment C – Flood Plain Maps)**

Yes. **Attach copy of [Flood Insurance Rate Map \(FIRM\)](#)**

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

Yes. Flood Insurance under the National Flood Insurance Program must be obtained. If HUD assistance is provided as a grant, insurance must be maintained for the economic life of the project and in the amount of the total project cost (or up to the maximum allowable coverage, whichever is less). If HUD assistance is provided as a loan, insurance must be maintained for the term of the loan and in the amount of the loan (or up to the maximum allowable coverage, whichever is less).

(Attach a copy of the flood insurance policy declaration)

No. **Federal assistance may not be used in the Special Flood Hazard Area.**

**Per 24 CFR 58.6(a)(3), this requirement does not apply to State-administered CDBG, HOME, and ESG programs.*



Statement of Process and Status of Environmental Analysis

Instructions:

Provide a brief description of the administrative procedures associated with the construction and presentation of the environmental review record (ERR). List the Responsible Entity, Certifying Officer, the physical location of the ERR, the dates and comment periods associated with any public notices, and contact information for the submission of comments regarding the ERR.

The Environment Assessment was completed by Great Lakes Community Action Partnership (GLCAP)

Description of the Site and Environmental Context

Instructions:

Determine existing conditions and describe the character, features, and resources of the project area and its surroundings. Identify the trends that are likely to continue in the absence of the project.

Crooksville is a village of 2,418 residents located in Perry County. The Village is approximately 1.64 square miles, of which 1.62 square miles is land and .02 square miles is water. Crooksville is divided along the banks of Moxahala Creek into an eastern and western section. Both of the project sites lie within the eastern section of the village. The area surrounding the village is predominately rural and mostly forested. The village lies approximately two miles south of the Village of Roseville and eight miles south of the City of Zanesville.

The proposed project will replace two severely corroded pump stations and address a capacity issue. The current lift stations have reached end of useful life. If replacement is not completed, it is likely that the pump stations will fail within the next 1 – 3 years, which will ultimately result in a more lengthy and costly solution for the village.

Analysis of Alternatives

Instructions:

Examine alternatives to the project, including the alternative of no action.

Three alternatives were considered for this project:**Alternative 1**

The first alternative evaluated was to continue operating the two lift stations in their current condition (no action). While this would save time, effort, and funding resources, it would not solve the long-term problems the village has and would not continue to provide the level of service necessary to convey the village wastewater to the treatment plant. Since both existing lift stations are approaching 40 years old and are within 1-3 years of being out of service, this alternative was not selected.

Alternative 2

The second alternative evaluated was to rehabilitate the two existing lift stations. This alternative would require extensive work inside the wet well and the pumping chamber to repair the corroded concrete and steel, replace the pumps and piping, and replace the electrical equipment. While this option would extend the useful life of the lift stations, it would not provide a long-term solution to the problems of corrosion of the concrete wet well and the steel pumping chamber. This alternative was not selected.

Selected Alternative

The third alternative evaluated was to completely replace both lift stations with new high-density polyethylene (HDPE) structural plastic wet wells. This option included submersible pumps installed in the wet well instead of in a separate pumping chamber. This option also included a structural plastic meter/valve vault. Utilizing structural plastic for the wet well and meter vault allows for a project useful life of at least 40 years. Since HDPE is much more resistant to corrosion, the structural materials are rated to last 100 years. Due to the extended useful life of the lift stations, this was the alternative selected by the Village of Crooksville.

Analysis of Impacts and Mitigation Actions

Instructions:

Summarize and evaluate all potential environmental impacts, whether beneficial or adverse, and the conditions that would change as a result of the project. Describe measures to eliminate, minimize, or mitigate adverse environmental impacts.

No permanent adverse environmental impacts are anticipated upon completion of this project. The proposed project is to replace two existing wastewater lift stations and will occur within the existing footprint of the lift station sites. Temporary adverse effects include noise associated with construction and the potential for dust. Mitigation measures for adverse impacts will be taken during construction and will be required to be included in construction contract documents and discussed at the pre-construction conference.

Once completed, the project should result in no changes to the surrounding environment.

Monitoring and Enforcement Procedures

Instructions:

Describe any post-review monitoring or enforcement procedures associated with environmental mitigation actions.

As previously noted, mitigation measures will be included in the construction contract documents and discussed at the pre-construction meeting. Monitoring of the project will occur and mitigation measures will be implemented, if necessary.



List of Sources, Agencies, and Persons Consulted

Ohio Environmental Protection Agency
Ohio Historic Preservation Office
Eastern Shawnee Tribe of Oklahoma
Miami Tribe of Oklahoma
Delaware Nation
Seneca-Cayuga Nation
Federal Emergency Management Agency
United States Fish and Wildlife Service
Grant Schooley, Verdantas Engineering
United States Geological Survey
United States Department of Agriculture Natural Resources Conservation Service
Bureau of Underground Storage Tank Regulations (BUSTR)
Center for Hearing & Communication
Ohio Department of Natural Resources
Army Corp of Engineers



List of Site Visits and Important Meetings

Date	Participants	Description
7/23/24	RCAP	Environmental Review Site Visit
[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]
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