ENVIRONMENTAL ASSESSMENT AND
FINDING OF NO SIGNIFICANT IMPACT

MORGAN COUNTY REGIONAL DEVELOPMENT COMMISSION
Waverly Sewer Project Phase I
SRF PROJECT WW 18 22 55 02

DATE: May 23, 2019

TARGET PROJECT APPROVAL DATE: June 24, 2019

I. INTRODUCTION

The above entity has applied to the Wastewater State Revolving Fund (SRF) Loan Program for a loan to finance all or part of the wastewater project described in the accompanying Environmental Assessment (EA). As part of facilities planning requirements, an environmental review has been completed which addresses the project's impacts on the natural and human environment. This review is summarized in the attached EA, which can also be viewed in color at http://www.in.gov/ifa/srf/.

II. PRELIMINARY FINDING OF NO SIGNIFICANT IMPACT (FNSI)

The SRF Wastewater Program has evaluated all pertinent environmental information regarding the proposed project and determined that an Environmental Impact Statement is not necessary. Subject to responses received during the 30-day public comment period, and pursuant to Indiana Code 5-1.2-3, it is our preliminary finding that the construction and operation of the proposed facilities will result in no significant adverse environmental impact. In the absence of significant comments, the attached EA shall serve as the final environmental document.

III. COMMENTS

All interested parties may comment upon the EA/FNSI. Comments must be received at the address below by the target approval date above. Significant comments may prompt a reevaluation of the preliminary FNSI; if appropriate, a new FNSI will be issued for another 30-day public comment period. A final decision to proceed, or not to proceed, with the proposed project shall be effected by finalizing, or not finalizing, the FNSI as appropriate. Comments regarding this document should be sent within 30 days to:

April Douglas
Environmental Review Coordinator
State Revolving Fund
100 N. Senate Ave.  IGCN 1275
Indianapolis, IN  46204
317-234-7294
adouglas@ifa.in.gov
ENVIRONMENTAL ASSESSMENT

I. PROJECT IDENTIFICATION

Project Name and Address:  Waverly Sewer Project Phase I
Morgan County Redevelopment Commission
180 Main Street
Martinsville, IN 46151

SRF Project Number:  WW 18 22 55 02

Authorized Representative:  Daniel Elliott, President

II. PROJECT LOCATION

The project will be located in Morgan County, Harrison Township, on the Mooresville East 24K USGS Quadrangle in township 13N, range 2E sections 13, 23, and 24. See Figures 1, 2 and 3.

III. PROJECT NEED AND PURPOSE

Most of the soils in Morgan County are not conducive to on-site wastewater disposal and the typical residential lot sizes are very small. The Morgan County Health Department has been dealing with failing on-site wastewater disposal systems in Waverly for many years. The Mooresville School District has been concerned about the deteriorating condition of the Waverly Elementary School’s on-site treatment system in particular. As a result of these documented problems, Morgan County decided to investigate possible sewer improvement options for Waverly Elementary School that can be expanded in the future to serve other areas of the northern part of Morgan County.

IV. PROJECT DESCRIPTION

The Waverly Sewer Project Phase I consists of the construction of the following components:

Collection System Improvements

- Main Lift Station with approximately 11,530 linear feet of sanitary sewer force main and approximately four (4) air release valves, and approximately 86 service connections along the force main route; and
- Approximately 1,790 linear feet of gravity sanitary sewer main, approximately nine (9) manholes, and approximately 120 linear feet of jack and bore casing under SR 144.

New 60,000 GPD Wastewater Treatment Plant (WWTP)

- Influent Screen with Structure;
- Sequencing Batch Reactor (SBR) and Digester Equipment;
- SBR Concrete Tanks;
- SBR Equipment Installation and Blower Structure;
- UV Disinfection Facility;
- Sludge Dewatering Facility;
- Chemical Feed System;
- Associated instrumentation and electrical work; and
- Associated yard piping, miscellaneous site work, yard fencing and gate.

V. ESTIMATED PROJECT COSTS, AFFORDABILITY AND FUNDING

A. Selected Plan Estimated Cost Summary

**Construction Costs**

<table>
<thead>
<tr>
<th>Description</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wastewater Treatment Plant</td>
<td>$1,811,694</td>
</tr>
<tr>
<td>Collection System</td>
<td>$2,367,080</td>
</tr>
<tr>
<td>Contingency</td>
<td>$421,226</td>
</tr>
<tr>
<td><strong>Construction Sub-Total</strong></td>
<td><strong>$4,600,000</strong></td>
</tr>
<tr>
<td>Non-Construction Costs</td>
<td>$2,000,000</td>
</tr>
<tr>
<td><strong>Total Estimated Project Cost</strong></td>
<td><strong>$6,600,000</strong></td>
</tr>
</tbody>
</table>

B. The total estimated project cost is approximately $6,600,000. Morgan County Regional Development Commission will finance the project with a loan from the State Revolving Fund Loan Program for a term and annual fixed interest rate to be determined at loan closing. The actual loan amount will depend on the bids received. Monthly user rates and charges may need to be analyzed to determine if adjustments are required for loan repayment.

VI. DESCRIPTION OF EVALUATED ALTERNATIVES

**Regionalization Potential**

Early on in the planning process, Morgan County worked with the Town of Bargersville to provide a regional sewer system and treatment plant. Bargersville has jurisdiction to serve potential customers in Johnson County just to the east of Morgan County. Negotiation occurred between Morgan County and Bargersville, but an agreement could not be reached. Morgan County officials decided it was in the best interest of their residents to move forward with Phase I of the project without connection to Bargersville. Morgan County is receptive to regionalization as a future date should Bargersville be agreeable. The nearest existing wastewater treatment plant is located miles away and is not considered a feasible alternative.

Letters were sent to the City of Greenwood and Town of Bargersville on February 8, 2019 to request information on the possibility of providing treatment for the proposed Morgan County sewer system. To date, no responses have been received.

**Alternative A “No Action”** would not construct a regional sewer system in the Study Area. On-site septic systems will continue to be used. Growth in the area especially commercial, business and industrial will be limited due to the availability of sewers. There are numerous existing residential lots that do not have enough room to replace their septic tanks if failure occurs. If the elementary school’s system fails, there will not be room for replacement and the school will likely have to shut down. For
the purposes of this report, the “No Action” Alternative was not pursued further.

**Alternative B (Phase I):**

Collection System Alternative to Serve the Elementary School, Waverly Park and the SR 144 Area: The purpose of this phase is to serve the area of SR 144 and SR 37, the Waverly Park and the Waverly school. This will also allow a point where the County’s TIF area near Waverly Road and SR 37 to connect to in the future. Phase I construction includes the installation of approximately 1,790 linear feet of gravity sanitary sewer main, a new lift station with approximately 11,530 linear feet of sanitary sewer force main and a new 60,000 gpd wastewater treatment plant, as previously described in the Project Description section of this EA.

Two alternatives were evaluated for the wastewater treatment plant component of the project, which are listed below:

**Wastewater Treatment System Alternatives Evaluated**

- Sequencing Batch Reactor (SPR) Wastewater Treatment Plant – This alternative was selected.
- Aeromod Wastewater Treatment Plant – This treatment alternative was evaluated; however, the Board selected the treatment alternative, which includes the sequencing batch reactor process, previously described.

Alternative B (Phase I) was the selected alternative for collection sewers and treatment, due to the infeasibility of other alternatives.

**Alternative C (Future Phases/Full Buildout of Entire Planning Area):**

Collection System Alternatives Investigated for Entire Service Area – This alternative includes the construction of Alternative B (Phase I) Area, in addition to other future phases of work, allowing for the full buildout of the entire planning area, via future phases of work.

**VII. ENVIRONMENTAL IMPACTS OF THE FEASIBLE ALTERNATIVES**

**A. Direct Impacts of Construction and Operation**

**Disturbed/Undisturbed Land:** The project will be built completely on previously disturbed land with the exception of the effluent line from WWTP to the river. No borrow areas will be utilized for the project. Work related to the installation of storm and sanitary sewers will occur in disturbed rights-of-way, adjacent to and within roadways, alleys and existing utility trenches. All areas have been previously disturbed by previous construction activity.

**Structural Resources** (Figure 4): The proposed sewer installation will occur near the Morgan County Bridge #166, Old SR 37, HB-2214, a site believed to meet the criteria of eligibility for inclusion in the National Register of Historic Places due to its historical and engineering significance. The stream crossing near this bridge will be installed using trenchless technology.

Construction and operation of the project will not alter, demolish or remove historic properties. If any visual or audible impacts to historic properties occur, they will be temporary and will not alter the characteristics that qualify such properties for inclusion in or eligibility for the National Register of Historic Places. The SRF’s finding pursuant to Section 106 of the National Historic Preservation Act is: “no historic properties affected.”
**Surface Waters**: One new discharge from the proposed treatment plant into the White River will be required for the project. In addition, Bluff Creek will be crossed via trenchless or open cut construction in order to install a force main.

The project will not adversely affect outstanding state resource waters listed in 327 IAC 2-1.3-3(d), exceptional use streams listed in 327 IAC 2-1-11(b), Natural, Scenic and Recreational Rivers and Streams listed in 312 IAC 7-(2), or Salmonid Streams listed in (327 IAC 2-1.5-5(a)(3) or streams on the Outstanding River List for Indiana.

**Wetlands** (Figures 5 and 6): One new discharge from the proposed treatment plant into the White River will be required for the project that crosses a riverine wetland and a freshwater pond. Mitigation measures to lessen and compensate for wetland impacts cited in comment letters about the project from the Indiana Department of Natural Resources and the U.S. Fish and Wildlife Service will be implemented.

**Floodplain** (Figures 7 and 8): The project will install force main and gravity sewers in the White River Floodway. No above ground structures will be located in the floodway of the project. There will be no placement of fill in floodways that will cause an impedance of flow.

**Groundwater**: The project will not impact a drinking water supply or sole source aquifer.

**Plants and Animals**: The construction and operation of the Project will not negatively impact state or federal-listed endangered species or their habitat. The project will be implemented to minimize impact to non-endangered species and their habitat. Mitigation measures cited in comment letters from the Department of Natural Resources and the U.S. Fish and Wildlife Service will be implemented.

**Prime Farmland**: The project will not convert prime farmland.

**Air Quality**: Construction activities may generate some noise, fumes and dust, but should not significantly affect air quality.

**Open Space and Recreational Opportunities**: The project will neither create nor destroy open space or recreational opportunities.

**Lake Michigan Coastal Program**: The project will not affect the Lake Michigan Coastal Zone.

**National Natural Landmarks**: Construction and operation of the proposed project will not affect National Natural Landmarks.

**B. Indirect Impacts**

The Preliminary Engineering Report (PER) states: *Morgan County will ensure, through local zoning laws or other means, that future development, as well as future supply, storage, distribution, or treatment works projects connecting to SRF-funded facilities, will not negatively impact archaeological/historical/structural resources, wetlands, or other sensitive environmental resources. The Town of Waverly will require new development and treatment works projects to be constructed within the guidelines of the U.S. Fish and Wildlife Service, IDNR, IDEM, and other environmental review authorities.*
C. Comments from Environmental Review Authorities

In correspondence dated April 2, 2019, the Indiana Department of Natural Resources Division of Historic Preservation and Archaeology stated:

_Pursuant to IC 13-18-21 and 327 IAC 14 and Section 106 of the National Historic Preservation Act (54 U.S.C. § 306108) and 36 C.F.R. Part 800, the Indiana State Historic Preservation Officer (“Indiana SHPO”) is conducting an analysis of the materials dated and received by the Indiana SHPO on March 7, 2019, for the above indicated project in Waverly, Morgan County, Indiana._

_In terms of archaeology, no currently known archaeological resources eligible for inclusion in the National Register of Historic Places have been recorded within the proposed project area. No archaeological investigations appear necessary provided that all project activities remain within areas disturbed by previous construction or in areas subjected to previous archaeological investigations._

*If any prehistoric or historic archaeological artifacts or human remains are uncovered during construction, demolition, or earthmoving activities, state law (Indiana Code 14-21-1-27 & 29) requires that the discovery must be reported to the IDNR within two (2) business days. In that event, please call (317) 232-1646. Be advised that adherence to Indiana Code 14-21-1-27 & 29 does not obviate the need to adhere to applicable federal statutes and regulations, including but not limited to 36 C.F.R. Part 800._

_In regards to buildings and structures, we have identified the following structure within the probable area of potential effects, and we believe that it meets the criteria of eligibility for inclusion in the National Register of Historic Places due to its historical and engineering significance:_

_HB-2214 – Morgan County Bridge # 166, Old SR 37_

*However, based on the information provided to our office, we do not believe the characteristics that qualify the above identified historic structure for inclusion in the National Register will be diminished as a result of this project._

This project was originally environmentally reviewed for funding from the US Department of Agriculture, Rural Development. Replies from the environmental review agencies for the original project are as follows:

In correspondence dated December 1, 2017, the United States Fish and Wildlife Service stated:

_These comments have been prepared under the authority of the Fish and Wildlife Coordination Act (16 U.S.C. 661 et. seq.) and are consistent with the intent of the National Environmental Policy Act of 1969, the Endangered Species Act of 1973, and the U.S. Fish and Wildlife Service's Mitigation Policy._

_The proposed project consists of construction of a wastewater treatment plant and outfall, and gravity sewer near Waverly Elementary School. We do not anticipate impacts on fish and wildlife resources from this project, but we recommend the following mitigation measures to minimize impacts:_

1. Avoid or minimize removal of mature native hardwood trees within the construction corridor.
2. Implement temporary erosion and siltation control devices as necessary.

3. Locate the outfall to minimize clearing of woody riparian vegetation and destabilization of the river bank. Stabilize disturbed stream banks as soon as possible after construction is completed, using bioengineering techniques wherever possible. If riprap is utilized for bank stabilization, extend it below low-water elevation to provide aquatic habitat.

4. Establish vegetated buffer strips along stream banks after work is completed. Buffer strip widths should be at least 10 feet and preferably 25 feet.

5. Revegetate all disturbed soil areas with native plant species suitable for riparian areas immediately upon project completion. We recommend seed mixes that include species of nectar-producing plants and milkweed endemic to the area where the mix is applied.

6. Avoid disturbance within the stream channel during the fish spawning season (April 1 – June 30).

Wetland and stream impacts may require permits from the US Army Corps of Engineers, the Indiana Department of Environmental Management’s Water Quality Certification program and the Indiana Department of Natural Resources. Wetland impacts should be avoided, and any unavoidable impacts should be compensated for in accordance with the Corps of Engineers mitigation guidelines.

Endangered Species

Morgan County is within the range of the federally endangered Indiana Bat (Myotis sodalis) and the federally threatened northern long-eared bat (Myotis septentrionalis).

There is suitable summer habitat for these species present throughout the area surrounding the project site. There are no current records of bats near the site but to our knowledge the area has not been surveyed. The project will not eliminate enough habitat to affect these species, but to avoid incidental take from removal of an occupied roost tree we recommend that tree-clearing be avoided during the period April 1 – September 30. If this measure is implemented we concur that the proposed project is not likely to adversely affect these listed species.

This precludes the need for further consultation on this project as required under Section 7 of the Endangered Species Act. If project plans are changed significantly, please contact our office for further consultation.

In correspondence dated March 29, 2016, the Department of Natural Resources Environmental Unit stated:

The Indiana Department of Natural Resources has reviewed the above referenced project per your request. Our agency offers the following comments for your information and in accordance with the National Environmental Policy Act of 1969.

If our agency has regulatory jurisdiction over the project, the recommendations contained in this letter may become requirements of any permit issued. If we do not have permitting authority, all recommendations are voluntary.

Regulatory Assessment: This proposal will require the formal approval for construction in a floodway under the Flood Control Act, IC 14-28-1, unless it qualifies for a general license under Administrative Rule 312 IAC 10-5 that applies to outfall structures (see enclosure). Please
include a copy of this letter with the permit application if the project does not meet the general license criteria.

Natural Heritage Database: The Natural Heritage Program's data have been checked. To date, no plant or animal species listed as state or federally threatened, endangered, or rare have been reported to occur in the project vicinity.

Fish & Wildlife Comments: Avoid and minimize impacts to fish, wildlife, and botanical resources to the greatest extent possible, and compensate for impacts. The following are recommendations that address potential impacts identified in the proposed project area:

1) Directional Boring: We recommend that a trenchless method be used for all creek or stream crossings as well as along roads adjacent to forested habitat or urban trees to avoid impacting tree roots. If the open-trench method is necessary and the only feasible option at any of the planned stream crossings due to the site conditions, then the following measures should be implemented:

   a. Any open-trench stream crossing should be timed to coincide with the low-water time of year (typically mid- to late-summer).


   c. The cleared width through any forested area should be the minimum needed to install the line and no more than 20 feet wide through the forested area to allow the canopy to close over the line.

   d. Use graded stone or riprap to protect the section of trench below the normal water level from scour or erosion (any stone or riprap fill in the streambed must not be placed above the existing streambed elevation to avoid creating a fish passage obstruction).

2) Riparian Habitat: We recommend the force main be located within or as close to the cleared road right of way as possible to minimize impacts to forested areas. We also recommend a mitigation plan be developed (and submitted with the permit application, if required) if habitat impacts will occur. The mitigation site should be located in the floodway, downstream of the one (1) square mile drainage area of that stream (or another stream within the 8-digit HUC, preferably as close to the impact site as possible) and adjacent to existing forested riparian habitat. The DNR's Floodway Habitat Mitigation guidelines (and plant lists) can be found online at: http://www.in.gov/legislative/iac/20140806-IR-312140295NRA.xml.pdf.

   Impacts to non-wetland forest under one (1) acre or more should be mitigated at a minimum 2:1 ratio. If less than one acre of non-wetland forest is removed in a rural setting, replacement should be at a 1:1 ratio based on area

The additional measures listed below should be implemented to avoid, minimize, or compensate for impacts to fish, wildlife, and botanical resources:
1. Revegetate all bare and disturbed areas in the floodway with a mixture of native grasses, sedges, wildflowers, and native hardwood trees and shrubs as soon as possible upon completion. Do not use any varieties of Tall Fescue or other non-native plants (e.g. crown-vetch).

2. Minimize and contain within the project limits inchannel disturbance and the clearing of trees and brush.

3. Do not work in the waterway from April 1 through June 30 without the prior written approval of the Division of Fish and Wildlife.

4. Do not cut any trees suitable for Indiana bat or Northern Long-eared bat roosting (greater than 3 inches dbh, living or dead, with loose hanging bark, or with cracks, crevices, or cavities) from April 1 through September 30.

5. Plant native hardwood trees along the top of the bank and right-of-way to replace the vegetation destroyed during construction.

6. Post “Do Not Mow or Spray” signs along the right-of-way.

7. Appropriately designed measures for controlling erosion and sediment must be implemented to prevent sediment from entering the stream or leaving the construction site; maintain these measures until construction is complete and all disturbed areas are stabilized.

8. Seed and protect all disturbed streambanks and slopes that are 3:1 or steeper with heavy-duty biodegradable erosion control blankets (follow manufacturer’s recommendations for installation); seed and apply mulch on all other disturbed areas.
In correspondence dated March 5, 2019, the Natural Resources Conservation Service stated:

The proposed project to make sanitary system improvements in the Town of Waverly, Morgan County, Indiana, as referred to in your letter received October 18, 2018, will not cause a conversion of prime farmland.

VIII. MITIGATION MEASURES

Waverly’s PER states:

The purpose of mitigation measures is to avoid or minimize adverse environmental impacts of a proposed project. Mitigation can be categorized as structural, restrictive, regulatory, or awareness measures. Structural measures are usually associated with planning, construction, and development activities. Measures characterized as restrictive are usually associated with development and operation. Third parties monitor regulatory measures for compliance, while awareness measures involve third parties providing evidence of compliance.

No direct, indirect, consequential, or cumulative impacts were identified specific to the proposed project.

The following Table ... summarizes the mitigation measures proposed for the project.

Table 1: Summary of Mitigation Measures

<table>
<thead>
<tr>
<th>Environmental Resource</th>
<th>Mitigation Measure</th>
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</thead>
<tbody>
<tr>
<td><strong>Land Use</strong></td>
<td>The County will require that developments connecting to the water system will comply with the Town’s or the County’s zoning ordinance, as applicable.</td>
</tr>
<tr>
<td><strong>Formally Classified Lands</strong></td>
<td>Sediment and erosion control in compliance with Indiana Department of Environmental Management requirements will be provided at all areas of surface disturbance.</td>
</tr>
<tr>
<td><strong>Floodplains</strong></td>
<td>Construction debris will be removed daily and surface disturbance will be kept to a minimum in all construction in floodways. Sediment and erosion control in compliance with Indiana Department of Environmental Management requirements will be provided at all areas of surface disturbance.</td>
</tr>
<tr>
<td><strong>Wetlands</strong></td>
<td>Sediment and erosion control in compliance with Indiana Department of Environmental Management requirements will be provided at all areas of surface disturbance.</td>
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<tr>
<td><strong>Historic Structures</strong></td>
<td>No impacts anticipated to mitigate.</td>
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<tr>
<td><strong>Visual Aesthetics</strong></td>
<td>No impacts anticipated to mitigate.</td>
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<tr>
<td><strong>Archaeological Resources</strong></td>
<td>If any archaeological artifacts or human remains are uncovered during construction, demolition, or earthmoving activities, work will stop and the discovery will be reported to the Indiana Department of Natural Resources, Division of Historic Preservation and Archaeology, within two days. These artifacts or remains will be avoided, minimized, or mitigated in accordance with all applicable regulations.</td>
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<tr>
<td><strong>Biological Resources</strong></td>
<td>Removal of dead trees along perennial and intermittent waterways during the Indiana bat reproductive season (May 1 through August 31) will not occur without prior regulatory approval. All bare and disturbed areas will be revegetated with a mixture of native grasses, sedges, wildflowers, and native shrub and hardwood</td>
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<tr>
<td>Environmental Resource</td>
<td>Mitigation Measure</td>
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<td>tree species as soon as possible upon completion. Varieties of Tall Fescue or other non-native plants (e.g. crown-vetch) will not be used.</td>
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<td>All tree and brush clearing will be minimized and contained within the project limits.</td>
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<td></td>
<td>No trees suitable for Indiana bat or Northern Long-eared bat roosting (greater than 3 inches dbh, living or dead, with loose hanging bark, or with cracks, crevices, or cavities) will be cut from April 1 through September 30.</td>
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<td></td>
<td>Seed and protect all disturbed slopes that are 3:1 or steeper with erosion control blankets (follow manufacturer’s recommendations for selection and installation; seed and apply mulch on all other disturbed areas.</td>
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<td>Sediment and erosion control in compliance with Indiana Department of Environmental Management requirements will be provided at all areas of surface disturbance.</td>
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<tr>
<td>Stream Crossings</td>
<td>Sediment and erosion control in compliance with Indiana Department of Environmental Management requirements will be provided at all areas of surface disturbance.</td>
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<tr>
<td>Air Quality</td>
<td>Reasonable and proper construction techniques and clean-up practices will be provided.</td>
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<td>Surface wetting practices with a dust preventative will be utilized to control dust emissions were required.</td>
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<td>Exhusats of construction equipment will be required to have mufflers for air pollution abatement.</td>
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<td>Ordinances regulating the production and emission of smoke will be strictly met.</td>
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<td>No burning will be permitted.</td>
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<td>If potential hazardous air pollutants are used on the project, the Town will require monitoring, record keeping, reporting, vapor recovery, secondary containment, design, equipment, work practices and operation according to Federal standards.</td>
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<td>Dirt tracked from unpaved areas will be minimized. No construction or demolition will be conducted in wooded areas.</td>
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<td>No asphalt paving plants will be utilized in the construction or operation of the project.</td>
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<td>Any asbestos will be removed in a manner to avoid making the asbestos containing material friable or otherwise regulated.</td>
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<td>If regulated asbestos-containing material (RACM) that may become airborne is found at any demolition site, any subsequent demolition, renovation, or asbestos removal activities will be performed in accordance with the proper notification and emission control requirements.</td>
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<tr>
<td>Transportation</td>
<td>The owner or operator will notify IDEM 10 working days prior to the demolition, even if no asbestos is found.</td>
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<td>All traffic control systems will be provided to safely control the flow of vehicles in and near construction zones.</td>
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<td>Road-related construction activity will be coordinated with the County engineer’s office.</td>
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</tbody>
</table>
Table 1: Summary of Mitigation Measures

<table>
<thead>
<tr>
<th>Environmental Resource</th>
<th>Mitigation Measure</th>
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</thead>
<tbody>
<tr>
<td>Noise</td>
<td>All necessary permits will be acquired for the work.</td>
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<td></td>
<td>Exhaus[ts of combustion-powered construction equipment will be required to have mufflers for noise and air pollution abatement.</td>
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<td>Air compressors shall be equipped with silencers.</td>
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<td>Construction activity and noises will be limited to the provisions of local ordinances but will be no more than daylight hours from Monday through Saturday.</td>
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<td>Blasting shall not be allowed on the project.</td>
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<tr>
<td>Sanitary Construction Facilities</td>
<td>Ample sanitary facilities shall be furnished at worksites during the project. These temporary toilet facilities shall be placed and maintained as required by the local health ordinances.</td>
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<td>The toilets shall be maintained in a sanitary condition and contents shall be removed from the site as often as required.</td>
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<tr>
<td>Solid and Hazardous Waste</td>
<td>Solid waste generated by the construction project will be controlled.</td>
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<td>The construction sites will be kept as neat as possible.</td>
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<td>No waste will be allowed outside of the construction zone.</td>
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<td>Small debris that may be windblown will be discarded immediately.</td>
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<td>All solid waste will be disposed in compliance with local, state and federal regulations. All construction debris will be disposed in a sanitary landfill or construction debris (CD) landfill according to local, state, and federal regulations.</td>
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<td>Petroleum that must be stored at the construction sites will be kept in above-ground tanks.</td>
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<td>Only the minimum amount of petroleum and other products that may create special wastes will be stored at the construction sites.</td>
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<td>The release of petroleum to the environment will be kept to a minimum.</td>
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<td></td>
<td>All spills of petroleum and other products that may create special wastes will be mitigated immediately.</td>
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<td>If potentially hazardous waste is encountered during the construction of the project, work in the area of waste will stop and appropriate regulatory agencies will be contacted. The Town will work with the appropriate regulatory agencies to mitigate or avoid the hazardous waste.</td>
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IX. Public Participation

A properly noticed public hearing was held on October 5, 2018, at 9:30am in the Lucille Sadler Room at the Morgan County Administration Building to discuss the PER. Questions regarding providing sewer service to the businesses on SR 144 near the 37 interchange and a trailer park in Johnson County that is north of the WWTP site. There have been no decisions regarding providing service to either location. No written comments were received during the 5-day comment period following the hearing.
Figure 2

WAVERLY WWTP AND SEWER SYSTEM
PROPOSED WASTEWATER TREATMENT PLANT MAP

Legend
- Discharge Location
- Outfall Piping
- WWTP Limits
- Outfall Disturbance Limits

SRF Clean Water Program
Morgan County Regional Development Commission
Environmental Assessment: Waverly Sewer Project – Phase 1
Distributed May 23, 2019 for 30-day comment period to the public.
Figure 3
Figure 5
Figure 8
ARTICLE 10. FLOOD PLAIN MANAGEMENT

Rule 5. General Licenses and Specific Exemptions from Floodway Licensing

312 IAC 10-5-8 Qualified outfall projects; general license
Authority: IC 14-10-2-4; IC 14-28-1-5
Affected: IC 14-28-1; IC 14-29-1

Sec. 8. (a) This section establishes a general license for the placement of a qualified outfall project in a floodway.

(b) A person who wishes to implement a project for the placement of a qualified outfall project on a river or stream, other than on a river or stream identified in section 0.3(b) or 0.3(c) of this rule, may do so without notice to the department if the project conforms to the following conditions:

1. Tree removal and brush clearing shall be contained and minimized within the outfall project area. No more than one (1) acre of trees shall be removed within the floodway.

2. Construction activities within the waterway from April 1 through June 30 shall not exceed a total of two (2) calendar days.

3. Best management practices shall be used during and after construction to minimize erosion and sedimentation.

4. Following the completion of construction, disturbed areas shall be reclaimed and revegetated. Disturbed areas shall be mulched with straw, wood fiber, biodegradable erosion blanket, or other suitable material. To prevent erosion until revegetated species are established, loose mulch shall be anchored by crimping, tackifiers, or netting. To the extent practicable, revegetation must restore species native to the site. If revegetation with native species is not practicable, revegetation shall be performed by the planting of a mixture of red clover, orchard grass, timothy, perennial rye grass, or another species that is approved by the department as being suitable to site and climate conditions. In no case shall tall fescue be used to revegetate disturbed areas.

5. Disturbed areas with slopes of three to one (3:1) or steeper, or areas where run-off is conveyed through a channel or swale, shall be stabilized with erosion control blankets or suitable structural armament.

6. Areas in the vicinity of concentrated discharge points shall be protected with structural armament to the normal water level of the waterway. Any riprap must have an average minimum diameter of six (6) inches and extend below the normal water level.

7. The size of the outfall project shall not exceed any of the following dimensions:

   (A) Ten (10) square feet in cross-sectional flow area as determined by the summation of cross-sectional area of conduits within the outfall project area for an outfall structure.

   (B) Five (5) feet deep as determined by the difference in elevation between the lowest bank elevation and the bottom of the swale for an outfall structure.

   (C) An area of disturbance thirty (30) feet wide.

8. Adequate cover shall be provided to ensure the structural integrity of the outfall conduit and to allow suitable vegetative growth.

9. Within the project area, the postconstruction ground surface elevation shall be less than six (6) inches above the preconstruction elevation.

10. The outlet structure shall:

   (A) be supported by a headwall, slopewall, or anchored end section; and

   (B) conform to the bank of the waterway.

11. If flow passing through the outfall project in a reverse direction would induce flood damages during a regulatory flood, the outfall project shall be equipped with a closure mechanism.

12. Construction debris and material not used as backfill shall be removed from the floodway.

(c) A person who elects to act under this section must comply with the general conditions under subsection (b). Failure to comply with these terms and conditions may result in the revocation of the general license, a civil penalty, a commission charge, and any other sanction provided by law for the violation of a permit issued under IC 14-28-1 and, if the waterway is navigable, the violation of a license issued under IC 14-29-1. (Natural Resources Commission; 312 IAC 10-5-8; filed Jul 5, 2001, 9:12 a.m.: 24 IR 3398, eff Jan 1, 2002; filed Dec 26, 2001, 2:42 p.m.: 25 IR 1546; errata filed Jan 16, 2002, 1:14 p.m.: 25 IR 1906; filed Aug 2, 2004, 3:18 p.m.: 27 IR 3880)

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