



# State Revolving Fund Loan Programs

## Drinking Water, Wastewater, Nonpoint Source

---

### ENVIRONMENTAL ASSESSMENT AND FINDING OF NO SIGNIFICANT IMPACT

---

#### TOWN OF WESTVILLE Wastewater Treatment Facility Upgrade STATE REVOLVING FUND PROJECT WW 13154601

**DATE: November 15, 2013**

**TARGET PROJECT APPROVAL DATE: December 18, 2013**

#### I. INTRODUCTION

The above entity has applied to the Clean Water State Revolving Fund (WWSRF) Loan Program for a loan to finance all or part of the waste water 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 at <http://www.in.gov/ifa/srf/>.

#### II. PRELIMINARY FINDING OF NO SIGNIFICANT IMPACT (FNSI)

The WWSRF Loan 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 4-4-11, 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 deadline 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:

**Sarah Hudson**  
**Senior Environmental Manager**  
**State Revolving Fund**  
**100 N. Senate Ave. IGCN 1275**  
**Indianapolis, IN 46204**  
**317-232-8663; [sahudson@ifa.in.gov](mailto:sahudson@ifa.in.gov)**

---

**ENVIRONMENTAL  
ASSESSMENT**

---

---

**I. PROJECT IDENTIFICATION**

Project Name and Address:                      Wastewater Treatment Facility Upgrade  
Town of Westville  
353 West Main Street  
Westville, IN 46391

Authorized Representative:                      Mr. Michael Albert, Town Council President

**II. PROJECT LOCATION AND BACKGROUND**

The project area is located in Westville, Indiana, in the New Durham Civil Township of La Porte County. Specifically, the project is located in Township 36 N, Range 4 W, Section 29 of the Westville USGS quadrangles.

**III. PROJECT NEED AND PURPOSE**

The existing Wastewater Treatment Facility (WWTF) is a 0.35 million gallon per day (MGD) facility. Since 2002, the facility has seen increased flows that have averaged over 0.5 MGD as well as numerous NPDES permit violations and other facility deterioration. In March 2013, the Town entered into an Agreed Order with the Indiana Department of Environmental Management (IDEM) to bring the performance of the facility into compliance.

**IV. PROJECT DESCRIPTION**

The plan is to upgrade the existing facility to a 0.6 MGD extended air treatment facility by constructing a new oxidation ditch, new final clarifier, new headworks facility with screening, grit removal and process control, new ultraviolet (UV) disinfection, effluent re-aeration, upgraded influent lift station, aerated liquid sludge storage, and new maintenance facility. The Town plans on bidding all of the process equipment necessary to construct the facility upgrade. Under separate bid the Town will provide the equipment to the general contractor to install and to construct the physical facilities. Both bids will be solicited at the same time. See Figures #5-1 and #6-1.

**V. ESTIMATED PROJECT COSTS, AFFORDABILITY AND FUNDING**

**A. Selected Plan Estimated Cost Summary:**

<b>DESCRIPTION</b>	<b>ESTIMATED COSTS</b>
1. Process Equipment Purchase/Bid by the Town	\$ 963,000
2. Facility Demolition	75,000
3. Dewatering	60,000
4. Underground piping	302,000
5. Site Improvements	201,000
6. Site Electrical	52,000

7. Process Equipment Installation	482,000
8. Internal Process Piping and Valves	295,000
9. Process Electrical	450,000
10. Process Structures	1,799,000
11. Headworks Building	825,000
12. SCADA, Process Control and Instrumentation Systems	190,000
13. Maintenance Building	190,000
14. Other Improvements	<u>766,000</u>
<b>Construction Sub-Total</b>	<b>\$6,650,000</b>
<b>Contingency</b>	<b><u>665,000</u></b>
<b>Construction Total</b>	<b>\$7,315,000</b>

**Non-Construction**

1. Design and Construction Engineering	\$ 941,000
2. Legal and Financial Fees	<u>100,000</u>
<b>Non-Construction Total</b>	<b>\$1,041,000</b>

**Total Project Costs** **\$8,356,000**

- B.** Westville plans to finance the project through a future 20-year SRF loan at an interest rate to be determined at the loan closing. Monthly user rates and charges may need to be analyzed to determine if adjustments are required for loan repayment.

**VI. DESCRIPTION OF EVALUATED ALTERNATIVES**

**No-Action**

The no-action alternative was evaluated for the proposed project and rejected because it would not meet the terms of the IDEM Agreed Order.

**Additional Alternatives**

Several other process/treatment alternatives such as the MSAB system and SBR system were evaluated but were deemed not feasible because of cost considerations, ease of operation and reliability in meeting treatment goals versus the selected alternative of the oxidation ditch process.

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

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

**Disturbed / Undisturbed Land:** The new Wastewater Treatment Facility will be constructed on land that is currently vacant, and is primarily maintained as a lawn and a gravel parking lot. This project area has not been substantially disturbed by recent soil disturbing activity. An archeological field reconnaissance was completed in September 2013. The recommendation of the report states: *the Phase 1a archaeological reconnaissance has located no archaeological sites within the project area and it is recommended that the project be allowed to proceed as planned.* The project also includes the installation of four concrete culverts crossing Main Street and a fifth culvert crossing the Wastewater Treatment Facility driveway. The culverts will be constructed by open-cut construction in areas that have been previously disturbed for roadway and/or driveway construction.

**Structural Resources:** There are no historic sites or structures near the project area. 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."

**Wetlands:** Wetlands will not be affected by the construction or operation of the Wastewater Treatment Facility.

**Surface Waters:** The project will not impact surface waters. The project will not adversely affect waters of high quality listed in 327 IAC 2-1-2(3), exceptional use streams listed in 327 IAC 2-1-11(b), Natural, Scenic and Recreational Rivers and Streams listed in 312 IAC 7-(2), Salmonid Streams listed in (327 IAC 2-1.5-5(a)(3), or waters on the Outstanding Rivers list.

**Floodplain:** The project will not occur in a floodway or floodplain.

**Groundwater:** It is anticipated that dewatering will be needed during project construction. On-site, the groundwater table will be lowered during construction, but will be fully restored when construction is complete. Regional groundwater table levels and local wells outside the project area will not be affected by the lower groundwater table on-site. Specifications will require the dewatering construction to keep suspended solids from entering area streams and away from excavated areas. The water will be discharged to the Crumpacker Arm of Forbes ditch.

The project will not impact a sole source aquifer.

**Plants and Animals:** Tree removal is not expected. The construction and operation of the project will not negatively impact state or federal-listed endangered species and 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 Indiana Department of Natural Resources and U.S. Fish and Wildlife Service will be implemented.

**Prime Farmland:** The project will not cause a conversion of prime farmland.

**Air Quality:** During construction, the project area will experience short-term impacts to air quality due to dust, exhaust, and other construction activities.

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

**Lake Michigan Coastal Program:** The project is not located within the Lake Michigan Coastal area and is not expected to negatively affect it.

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

## **B. Indirect Impacts**

The town's Preliminary Engineering Report (PER) states: The Town of Westville, acting through the authority of its Council, will ensure that future development will not adversely impact wetlands,

wooded areas, steep slopes, archaeological/historical/structural resources, or other sensitive environmental resources.

### **C. Comments by Environmental Review Authorities**

In a letter dated October 23, 2013, the Natural Resources Conservation Service determined that the project will not cause a conversion of prime farmland.

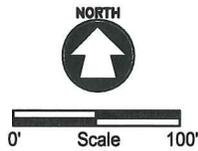
This document is the first notice to the U.S. Fish and Wildlife Service, the Indiana Department of Natural Resources (IDNR) Division of Historic Preservation and Archaeology, the IDNR Division of Water, and the IDNR Lake Michigan Coastal Program.

## **VIII. MITIGATION MEASURES**

1. Mitigation measures for construction related impacts are the responsibility of the contractor and are governed by requirements in the project plans and specifications, and appropriate regulations.
2. Erosion and sediment control measures are required by the project specifications. The specifications require the contractor provide an erosion and sediment control program consisting of a project schedule, along with a description of measures to be used during construction for erosion and sediment control. Adherence to the required plan will minimize adverse impacts from erosion and sedimentation.
3. The specifications will require the contractor to provide dust control measures. These measures generally consist of periodic watering of the construction area.

## **IX. PUBLIC PARTICIPATION**

A properly noticed public hearing was held on August 28, 2013 at 5:30 pm at the Westville Town Hall, 353 W. Main Street to discuss the project's preliminary engineering report. Some comments about the specifics of the project were raised at the public hearing as well as a letter from an area property developer was submitted. The comments made during the public hearing were addressed by the Town's consulting engineer and the written comments were addressed in writing by the Town's consulting engineer on September 18, 2013. No other written comments were submitted in the five-day period following the public hearing.



Source: Beacon, 2013 Schneidercorp.com.

Disclaimer: The property lines, right-of-way lines, and other property information on this drawing were developed or obtained as part of the County Geographic Information System or through the County property tax mapping function. McMAHON does not guarantee this information to be correct, current, or complete. The property and right-of-way information are only intended for use as a general reference and are not intended or suitable for site-specific uses. Any use to the contrary of the above stated uses is the responsibility of the user and such use is at the user's own risk.



**FIGURE #5-1  
RECOMMENDED ALTERNATIVE  
WWTF PRELIMINARY  
ENGINEERING REPORT  
TOWN OF WESTVILLE  
LAPORTE COUNTY, INDIANA**

FIGURE #6-1  
 SELECTED PLAN LAYOUT  
 WWTF PRELIMINARY  
 ENGINEERING REPORT  
 TOWN OF WESTVILLE  
 LAPORTE COUNTY, INDIANA

