



Task Order No. 26-11
Town of Bargersville, Indiana (OWNER)
and Strand Associates, Inc.® (ENGINEER)
Pursuant to Agreement for Technical Services dated July 3, 2018

Project Information

Services Name: Waverly Wastewater Treatment Plant (WWTP) Preliminary Engineering Report

Project Description: OWNER is in the process of purchasing the Waverly WWTP from the Morgan County Regional Sewer District. The WWTP is currently rated for a design average flow of 60,000 gallons per day and currently treats flow from a school, several residences, and a few commercial properties. The WWTP is located near the Interstate 69/State Road 144 interchange, and this area is projected to see growth in the coming years which will likely necessitate an expansion or reconstruction of the WWTP.

Services Description: This study will quantify the potential flow tributary to the WWTP, review alternatives regarding the capacity of the WWTP, provide an opinion of probable construction cost for WWTP expansion or reconstruction, and review alternatives regarding pretreatment programs. The report will be written such that it can be submitted to the Indiana State Revolving Fund program to receive potential funding and financing.

Scope of Services

ENGINEER will provide the following services to OWNER.

1. Participate in a project kickoff meeting with OWNER.
2. Quantify flow tributary to the WWTP from the following areas over the ten-year, 20-year, and ultimate planning periods:
 - a. Unincorporated Morgan County – The flow values will be gathered from OWNER from the Waverly WWTP preliminary engineering report completed by Beam, Longest, and Neff, LLC.
 - b. Town of Bargersville – The flow values will be obtained from the Sanitary Sewer Master Plan prepared by ENGINEER, with input provided by the Town of Bargersville.
 - c. Unincorporated Johnson County – The flow values will be obtained from communication with Johnson County.
3. Review potential flows, loadings, and pretreatment considerations with OWNER from potential industrial users in the service area.
4. Provide design average flows, peak hourly flows, and organic loadings into the WWTP for 10-year, 20-year, and ultimate planning periods. Provide design criteria for sizing the WWTP to handle these flows.
5. Perform an evaluation of expanding the WWTP in a modular manner considering the following:
 - a. A doubling of the capacity of the WWTP to a design average flow of 120,000 gallons per day.

- b. A tripling of the capacity of the WWTP to a design average flow of 180,000 gallons per day.

The evaluation will include an opinion of probable construction costs (OPCC), a discussion of project schedule, a discussion of the amount of time until another expansion may be appropriate, and a discussion of future uses for proposed WWTP tanks. The OPCC will be prepared in accordance with the Association for the Advancement of Cost Engineering Cost Estimate Classification System, Class 5 estimate.

6. Participate in a 50 percent review meeting with OWNER.
7. Communicate with the Indiana Department of Environmental Management to review a waste load allocation for the expanded Waverly WWTP.
8. Evaluate the following types of liquid wastewater treatment to provide service for the 20-year and ultimate flows and loadings:
 - a. Conventional activated sludge WWTP with headworks, diffused aeration tanks, secondary clarification, ultraviolet light disinfection, and ancillary and supporting processes.
 - b. Oxidation ditch-type WWTP with headworks, mechanical aeration, secondary clarification, ultraviolet light disinfection, and ancillary and supporting processes.
 - c. Evaluate chemical and biological phosphorus removal.
9. Evaluate the following biosolids stabilization and disposal methods to provide service for the 20-year and ultimate flows and loadings:
 - a. Evaluate biosolids handling using aerobic digestion and land application of liquid biosolids.
 - b. Evaluate biosolids handling using aerated storage, transportation to OWNER's existing WWTP, and disposal via landfill.
10. Provide preliminary layouts, an OPCC, and 20-year present worth costs for the WWTP alternatives considered. The OPCC will be prepared in accordance with the Association for the Advancement of Cost Engineering Cost Estimate Classification System, Class 5 estimate.
11. Prepare a draft Preliminary Engineering Report and provide the draft report to OWNER. Participate in one meeting reviewing the report; respond to OWNER's comments, as appropriate; and finalize the report.
12. Provide a final Preliminary Engineering Report in accordance with Indiana State Revolving Fund's Preliminary Engineering Content Checklist including documentation of current condition; evaluation of treatment alternatives; evaluation of environmental impacts; and summary of legal, financial, and managerial capabilities.
13. Participate in an OWNER-led public hearing in accordance with Indiana State Revolving Fund guidelines.

Compensation

OWNER shall compensate ENGINEER for Services under this Task Order on an hourly rate basis plus expenses an estimated fee of \$115,000.

OWNER REVIEW

Strand Associates, Inc.®

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Schedule

Services will begin upon execution of this Task Order, which is anticipated the week of April 13, 2026. Services are scheduled for completion on October 30, 2026.

TASK ORDER AUTHORIZATION AND ACCEPTANCE:

ENGINEER:

OWNER:

STRAND ASSOCIATES, INC.®

TOWN OF BARGERSVILLE, INDIANA

DRAFT

DRAFT

Joseph M. Bunker
Corporate Secretary

Date

Andrew Greenwood
Town Council President

Date