



Office of Public Works
312 W. Whitewater Street
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REQUEST FOR PROPOSAL EFFLUENT PHOSPHORUS COMPLIANCE PLAN

PROJECT DESCRIPTION

The project consists of Engineering Services to assist the Owner in development of a comprehensive plan to achieve compliance with pending effluent phosphorus limits for the City's Wastewater Utility. Secondly, the City is seeking a high level review to assess the relevance of incorporating Stormwater regulatory compliance and future lake management benefits into a holistic City wide phosphorus compliance plan. The City has completed the first two annual wastewater phosphorus compliance reports.

SCOPE OF SERVICES

Compliance Alternatives Plan Phase

1. Develop Alternatives, Establish a Screening Method, and Screen Alternatives -
Develop a comprehensive list of conceptual ideas to achieve permit compliance. An Alternatives Screening Workshop will then be conducted to target efforts. Using agreed upon criteria, the workshop will be used to screen feasible alternatives and retain those for further evaluation. Areas of interest are:
 - a. Assess inclusion of Stormwater Utility phosphorus reduction needs -
Review past Stormwater Management Plan recommendations and the Cities MS4 permit. Develop a list of compliance alternatives. Provide a recommended path forward as part of a City wide phosphorus reduction plan.
 - b. Assess inclusion of lake management activities -
On a parallel, yet separate path, the City is interested in improving the water quality of two lakes located within the City limits and upstream of the POTW. Review creative alternatives to leverage the POTW regulatory framework to include water quality improvements to both lakes. A possible example of this could be working with a Land and Water Conservation District (LWCD) toward targeted nutrient trading efforts upstream of the lakes. Provide a recommended path forward as part of a City wide phosphorus reduction plan.
 - c. Assess POTW regulatory options such as MDV, Nutrient Trading and Adaptive Management from a \$/lb. treated perspective, keeping in mind how these options may impact the ability to include creative holistic options such as lake water quality improvements.

- d. Provide a recommended plan to work with adjacent counties on suitable compliance alternatives.

Deliverables: Meeting Notes – Alternatives Screening Workshop; DRAFT and Final (Year 3) Preliminary Compliance Alternatives Plan (due 3/31/2020).

2. Evaluate Alternatives and Conduct Review Workshop -
Each retained alternative will be developed and shall reference economic and non-economic criteria such as: attainability, implementation cost, O&M cost, future flexibilities, compliance certainty and longevity, performance expectations, hydraulic requirements and simplicity. The evaluation results will be reviewed in an Alternatives Evaluation Workshop focused on developing the recommended plan.

Deliverables: Meeting Notes – Alternatives Evaluation Workshop; Alternative Screening Report

3. Develop Recommended Plan and Submit for Review -
This phase will refine the recommended compliance plan from the Alternatives Evaluation Workshop and include conceptual site layout figures, necessary stakeholder involvement as well as consideration of the potential for phased plan implementation. The resulting recommended Compliance Alternatives Plan will also document the alternatives evaluation result.

Deliverables: (Year 4) DRAFT Final Compliance Alternatives Plan

4. Present Plan to City -
Work with Owner staff to develop and present a project summary and recommended compliance plan presentation for stakeholder review and discussion.
5. Submit Documents to WDNR for Approval -
The Final Report will be assembled in a manner suitable for submittal to the WDNR, and will be provided to Owner staff for final submittal. All required WDNR documentation, noted in the WPDES permit, shall be completed and prepared for submittal relative to the selected alternative.

Deliverables: Alternatives Evaluation Report; (Year 4) Final Compliance Alternatives Plan

ENGINEERING EXPERIENCE

The City is seeking a consultant with a proven track record of providing phosphorus compliance alternatives with cost projections and detailed assessments. The City is requesting at least two case studies be provided with proposals to serve as an example of completed work. Brief resumes for all major team members should also be included.

TIMEFRAME

Efforts should begin immediately after contract execution. The first major deadline will be the Preliminary Compliance Alternatives Plan due 3/31/2020. The project is intended to carry the City through completion and submittal of the Final Compliance Alternatives Plan which is due 3/31/2021. Please provide cost estimates broken down per calendar year (2019-2021).

REQUIRED PRESENTATIONS/MEETINGS

There will be a mandatory pre-conference meeting for all interested parties. This will be held on the second floor of Whitewater's City Hall, 312 W Whitewater Street, in the Cravath Lakefront Room on September 4, 2019, at 10:00 a.m. The consultant should plan on providing a total of four presentations to either the Public Works Committee or the Common Council at times deemed appropriate by the consultant. The consultant will also be tasked with organizing a minimum of one face to face meeting with WDNR staff to assure final assessments are sound and agreeable from a WPDES permit standpoint. Additional stakeholder meetings may be necessary if appropriate or constructive. An example of this would be a meeting with county LWCD staff.

SELECTION PROCESS

Award of contract will be based on the firm's experience, individual staff member experience, case study reviews, cost and overall project approach.

BACKGROUND INFORMATION

The following is included with the Request for Proposals (RFP) document:

- Final – Year 1 Whitewater Optimization Evaluation Report 2018-03-19
- Year 2 Report – WDNR Approval
- WPDES Permit 2017-22
- WPDES – WI – S050075
- Whitewater – Potential TMDL Compliance Summary – Alternative 5

SUBMISSION OF PROPOSALS

Proposals are due to the City of Whitewater, City Clerk (312 W. Whitewater Street, Whitewater, WI 53190) on **Friday, September 27, 2019 at 4:30 p.m.** Please provide four (4) hard copies of the proposal and one electronic version.

The selection committee will review the proposals and it is anticipated the results will be shared with the Public Works Committee on Tuesday, October 8, 2019 with a recommendation sent to the Common Council on Tuesday, October 15, 2019 for their approval.

CONTACT PERSON

Questions about the RFP should be directed to Tim Reel, phone 262-473-0560 or treel@whitewater-wi.gov.