



**REQUEST FOR PROPOSALS  
WATER HYDRAULIC MODEL  
WAUSAU WATER WORKS / CITY OF WAUSAU**

Wausau Water Works, City of Wausau, is looking for assistance in the development of a Water Hydraulic Model utilizing and optimizing unidirectional flushing to enhance corrosion control and minimize levels of lead in the water supply. Levels of lead in the water supply have increased recently and the City needs to investigate possible causes and possible solutions to lower these levels. The City has made changes in its disinfection practices in the past year or so which could have altered the water quality and which possibly could have affected the amount of lead in the water supply. Another contributing factor is that the City has recently changed its' sodium silicate addition rates. Thus, the purpose of this Request for Proposals (RFP) is for the consultant to define in a written report to Wausau Water Works its' investigation to optimize unidirectional flushing as a tool to minimize corrosion and in turn reduce levels of lead in the water supply and to recommend a protocol, procedures, and a schedule to implement a flushing schedule to accomplish these results.

Wausau Water Works shall receive written proposals for this assessment until 4 p.m. on February 25, 2015. Questions concerning this study shall be directed to Dick Boers, Water Superintendent, City of Wausau, at 715-261-7286. Sealed proposals shall be submitted to Wausau Water Works, c/o Engineering Department, 407 Grant Street, Wausau, WI 54403-4783. The envelope will be clearly labeled **RFP – Water Hydraulic Model**. Proposals will be opened at the Board of Public Works meeting 3:30 p.m. on Friday, February 27, 2015

**REQUEST FOR PROPOSALS  
WATER SUPPLY & TREATMENT  
WATER HYDRAULIC MODEL**

**WAUSAU WATER WORKS / CITY OF WAUSAU**

**Purpose/Description**

Wausau Water Works wishes to hire a consultant/engineering firm with experience in evaluating corrosion in water distribution systems and developing water hydraulic models utilizing unidirectional flushing to minimize corrosion and in turn lead levels in the water supply. The study will include the following components:

- Review of water supply and treatment facilities.
- Review of current and historic data for the water supply system.
- Review of recent operational changes which could have affected corrosion rates with respect to lead.
- Development of a water hydraulic model and a summary of conclusions along with recommendations for implementation to include costs of implementation, protocol and procedures for unidirectional flushing, recommended flushing schedule, and anticipated results.
- Preliminary Report:
  - Prepare a preliminary study report and model along with tentative findings and recommendations.
  - Present preliminary report and model along with tentative findings and recommendations to staff and Wausau Water Works Commission for comments.
- Final Report
  - Incorporate changes pursuant to comments received at the first presentation.
  - Submit hard copies of final report, plus one reproducible copy.
  - Provide an electronic copy of the report in Microsoft Word format with spreadsheets in Excel format and the model in an appropriate electronic format.
  - Present the final report to Wausau Water Works Commission at a regular Commission meeting and possibly to the City Council and members of the public at a regular Council meeting.
- Supply a time schedule for developing the preliminary and final reports.
- Meet or confer with staff as needed.

The primary purpose of the study and model development is to ensure Wausau has current and long term ability to meet lead standards.

The consultant/engineering firm will be responsible for all exhibits, handouts and other information needed for any meetings.

### **Qualifications/Content of Proposal**

The proposal document should, at a minimum, contain the following information and material:

1. A detailed description of the intended design approach.
2. The name, size, location and description of the consultant and if any work is proposed to be undertaken in consultation or in association with other consulting firms (sub-contractors), the names, size, location and description of such other firm(s).
3. A list of experience and similar projects undertaken by the lead consulting firm, together with a list of reference contacts (client names) and their phone numbers.
4. A list of staff or members of the project team (including resume) to be assigned to work on the project, their location, including a detailed outline of past experience and involvement, with dates, in similar projects.
5. Qualifications: Describe your firm's unique qualifications and training for this type of work. Cite specific certifications or accreditations.
6. A schedule of key activities, tasks and resources, including milestones, deliverables and completion dates in respect of the services to be delivered by both the lead consultant and any sub-consultant.
7. List of references for similar work done for other communities.
8. Evidence of professional liability insurance must be provided.
9. Fee: Include an estimated detailed lump sum fee.

## **SELECTION**

Proposals will be evaluated by Wausau Water Works staff. Proposals will be evaluated on the basis of experience, qualifications, approach to the project and any innovative ideas you have for making the project successful.

Final selection will be based on the evaluation of proposals unless it is deemed necessary by City staff to conduct interviews of closely scored consultants. Proposals will be opened at the Board of Public Works meeting 3:30 p.m. on Friday, February 27, 2015. The consultant deemed best qualified to perform this project will be recommended to the Wausau Water Works Commission for contract award.

Wausau Water Works/City of Wausau reserves the right to accept or reject any or all proposals.