



PROPOSAL FOR PROFESSIONAL SERVICES

June 23, 2016

RE: Well 23H PFOS Sampling Plan Design
La Crosse Water Utility
City of La Crosse, Wisconsin
SEH No. LACRS P-137732

Mr. Mark Johnson
Utility Manager
City of La Crosse
400 La Crosse Street
La Crosse, WI 54601

Dear Mark:

Short Elliott Hendrickson Inc.® (SEH) appreciates the opportunity to submit this proposal for Engineering Services for the design of a water sampling plan for Water Utility Well 23H for perfluorooctane sulfonate (PFOS).

SEH understands that the La Crosse Water Utility was a participant in US Environmental Protection Agency's third round of its Unregulated Contaminant Monitoring Rule (UCMR3) program. US EPA published in 2012 the list of unregulated contaminants to be sampled by selected water utilities throughout the country. La Crosse was included in this list of utilities. UCMR3 included sampling and testing for 28 chemicals and two viruses, including PFOS. PFOS were detected in the recently tested UCMR3 water sample for La Crosse Well 23H.

The purpose of the Project is to design a water sampling and testing plan for Well 23H for the Water Utility to implement that will document the presence (and concentration) or lack of PFOS in the Well 23H water supply.

PROJECT EXPERIENCE

SEH staff in our La Crosse, Chippewa Falls and St. Paul offices have experience in developing similar sampling and analysis plans (SAPs) for several of our industrial, municipal and regulatory clients in Wisconsin and Minnesota. This experience includes developing, and implementing SAPs for ultra-low level detection parameters including Polyfluoroalkyl Substances (PFASs), including PFOS and Perfluorooctanoic acid (PFOA). We also have strong relationships with several national laboratories that are qualified, and have decades of experience with the analytical methodology necessary to insure accurate and defensible data.

SCOPE OF WORK

SEH will perform the following tasks for the project:

Engineers | Architects | Planners | Scientists

Short Elliott Hendrickson Inc., 312 South 3rd Street, La Crosse, WI 54601-4007

SEH is an equal opportunity employer | www.sehinc.com | 608.782.3161 | 888.908.8166 fax

Task 1 – Project Meeting

1. Meet with City Water Utility staff to discuss project.
2. Identify data and other reports available regarding the project site.
3. Summarize meeting and data/sources in a memo to City project team.

Task 2 – Data Collection and Review

1. Collect data and pertinent reports regarding the project and project site.
2. Review Well 23H construction and operating data.
3. Review City's UCMR3 sampling procedures and test results for Well 23H.
4. Review available Well 23H surrounding area environmental reports from other parties or consultants.
5. Review burn pit data from previous RMT site work, along with subsurface geology downgradient from identified burn pits.
6. Review sampling of existing monitoring wells upgradient of Well 23H near burn pit.
7. Review monitoring wells water sample collection procedures and data.

Task 3 – Sample Plan Design

1. Design a Well 23H water sampling plan that includes:
 - a. Duration of well pumping (time and gallons) preceding the sample collection.
 - b. Frequency of water sample collection.
 - c. Duration of water sample plan.
 - d. Prepare water sample collection procedures to be followed by Utility staff.
 - e. Create a sampling Quality Control plan, including the use of trip blanks and split samples to different testing labs to confirm validity of PFOS test results.
2. Prepare a draft Well 23H Sampling Plan Technical Memorandum that documents the recommended PFOS Sampling Plan for Well 23H.
3. Submit draft Technical Memorandum to City for review and comment.
4. Incorporate City review comments and finalize Sampling Plan.
5. Provide electronic pdf copy and three paper copies of Sampling Plan Memo to City.

CITY RESPONSIBILITY

La Crosse will assist SEH in the following manner:

1. Provide construction information and operating characteristics of Well 23H.

2. Provide available environmental and other reports regarding the Airport and surrounding area.
3. Provide UCMR3 sample test data for La Crosse Utility wells.

COMPENSATION

SEH services will be provided on a lump sum basis. The total fee for the design of a sampling plan will be as follows:

Task 1	\$800	
Task 2	\$700 - \$1,500	(range of fees dependent on the volume of data available for review)
Task 3	\$1,000	

SCHEDULE

SEH staff is available to perform this work immediately. SEH will coordinate a project schedule with the City staff.

SUMMARY

This letter proposal represents the entire understanding between the City of La Crosse and SEH in respect to providing services for this project, and may only be modified in writing signed by both parties. If it satisfactorily sets forth your understanding of our services, please sign below in the space provided. Please sign two copies keeping one for your files and returning one to us.

We appreciate this opportunity to be of service to the City of La Crosse Water Utility. Please do not hesitate to contact Patrick Planton at (414) 465-1216 or (262) 395-6406 (mobile) if you have any questions or need additional information.

Sincerely,

SHORT ELLIOTT HENDRICKSON INC.

City of La Crosse, Wisconsin



Patrick S. Planton, PE, MBA
Principal
Water Practice

By: _____
Authorized Client Signature

Title: _____

Date: _____