



Request for Qualifications

PFAS Mitigation Basis of Design Memorandum

Due Date: August 5, 2022

SECTION I- GENERAL INFORMATION

A. Objective

Kennebec Water District (KWD) is soliciting Statements of Qualifications (SOQs) from firms interested in providing professional engineering services to develop a basis of design memorandum providing the most efficient/effective mitigation strategy for PFAS compounds for KWD to meet the June 15, 2022 EPA Health Advisory. Testing for PFAS compounds have found levels above the detection limit (2ppt) for a total of 3 compounds (PFHpA, PFHxA, and PFOA) in KWD's source water. KWD does not actively mitigate any levels of PFAS with the current treatment processes. Potential mitigation strategies should integrate with the existing Water Treatment Plant and be designed to reduce the PFAS levels to below 2.0 ppt, the detectable limit.

B. Question About and Clarifications of this Request for Qualifications (RFQ)

Questions may be asked during a pre-submission meeting on July 13, 2022 at 1:00 PM at the KWD Water Treatment Plant (WTP). The WTP is located at 462 Main St, Vassalboro ME. Attendance at this pre-submission meeting is strongly encouraged but not mandatory. Answers to all questions asked during the pre-submission meeting and additional materials requested will be distributed via email to attendees and firms who have requested the Pre-Submission Meeting Notes by emailing KWD's Engineer Manager, Jefferson Longfellow, at jlongfellow@kennebecwater.org prior to the start of the meeting. An optional tour of the Water Treatment Plant will be conducted immediately after the pre-submission meeting.

Additional questions may be asked outside of the Pre-Submission Meeting via email only. All questions and requests for additional information shall be received by July 19, 2022.

C. Selection Criteria

A selection committee comprised of KWD staff will evaluate each SOQ on the criteria given below.

Based upon the initial evaluation, KWD may decide to interview perspective firms. During the interviews, the selected firms will be given the opportunity to discuss their qualifications and experience in more detail.

D. Statement of Qualifications Submission

All SOQs are due and must be delivered to the KWD on or before, August 5, 2022 at 3::30 PM (local time). SOQs submitted late or not in the appropriate format **will not** be considered or accepted.

Each respondent must submit:

- One digital copy of the SOQ attached to an email as a single file in PDF format

SOQs submitted must be clearly marked in the subject line of the email: “PFAS Mitigation Engineering for the Kennebec Water District”

SOQs must be sent to jlongfellow@kennebecwater.org

KWD will not be liable to any consultant for any unforeseen circumstances of delivery. Consultants are responsible for submission of their SOQs. Additional time will not be granted to a single consultant. However, additional time may be granted to all consultants at the discretion of KWD.

E. Disclosures

Under the Freedom of Access Act, KWD is obligated to permit review of its files, if requested by others. All information in a consultant’s SOQs is subject to disclosure under this provision. This act also provides for a complete disclosure of contracts and attachments thereto.

F. Schedule

The following is the schedule for this REQUEST FOR QUALIFICATIONS process:

Activity/Event	Anticipated Date
RFQ Released	June 24, 2022
Pre-Submission Meeting	July 13, 2022 at 1:00 PM
Deadline for pre-submission questions	July 20 at 12:00 P.M.
Published Pre-Submission Meeting Notes & Questions	July 22 2022
SOQ Due Date	August 5, 2022 at 3:30 PM

The above schedule is for information purposes only and is subject to change at KWD’s discretion.

G. Reservation of Rights

1. KWD reserves the right to waive, or not waive, informalities or irregularities in terms or conditions of any SOQ if determined by KWD to be in its best interest.
2. KWD reserves the right to request additional information from any or all firms.
3. KWD reserves the right to reject any SOQ that it determines to be unresponsive and deficient in any of the information requested within this RFQ.
4. Submission of a SOQ indicates acceptance by the firm of the conditions contained in this RFQ.

SECTION II – REQUEST FOR QUALIFICATIONS

A. Background

KWD was incorporated in 1899 and serves the communities of Waterville, Winslow and Fairfield as corporate members. Vassalboro and Benton are also served by KWD but are not corporate members under the legislative charter. In 1905, KWD began using China Lake as its source of supply.

KWD has a Water Treatment Plant located at 462 Main St. in Vassalboro capable of producing up to 12 million gallons of water per day, 8.4 mile long dual transmission mains and over 150 miles of water distribution pipe. Additional KWD system statistics include;

Year of Incorporation: 1899
Number of Employees: 28
Annual Revenue: ~\$5.7 million
Annual Water Production: ~1 billion gallons
Maximum Daily Water Production: ~6MG
Average Daily Water Production: ~3MG
Number of Metered Service Connections: 8,700
Website: www.kennebecwater.org

The latest results of KWD PFAS testing are included as Attachment A. Select layout drawings of the WTP and WTP site are included as Attachment B

B. Project Needs

Conduct an operational needs analysis of the current WTP and treatment processes, evaluate alternatives and recommend renovations to the existing Water Treatment Plant required to mitigate PFAS compounds to a non-detection (2.0 ppt), and provide a total project cost estimate for the recommended renovations. It is anticipated that the pending National Primary Drinking Water Regulation expected in September 2022 will have similar requirements.

The final report shall be submitted by March 31, 2023 with alternatives and cost estimates of the most effective system.

C. Qualifications

The KWD seeks to contract with a firm that has demonstrated experience and capabilities retrofitting existing water treatment systems for PFAS mitigation. Prospective firms must have the necessary experience, organization, technical and professional qualification, skills and facilities to perform the required work, and must have a demonstrated satisfactory record of performance. In their SOQ, firms having such experience should list projects that demonstrate explicitly the consultant's ability to complete such a project.

KWD reserves the sole right to select the most qualified firm based on best overall qualifications that is most advantageous to KWD. Firms that submit SOQs will be notified of the selection results. Final approval of any selected firm is subject to the approval of the Board of Trustees. **SOQs should be prepared simply and economically**, providing a clear and concise description of the Firm's capabilities to satisfy the requirements of the request.

1. All SOQs must include the following information:
 - a. A cover letter/statement of interest indicating the Firm's interest in the project and highlighting its qualifications to perform the project.
 - b. A **brief** overview of the company.
 - c. A proposed approach to the services including key activities, potential challenges, and areas of concern.
 - d. Related experience with similar types of services/projects and specific qualifications and resumes of key team members. The roles and qualifications of key project team members, both in-house and subconsultants. Identification of the project lead and that person's availability to start work on the project.
 - i. Provide the estimated hours of key staff and sub-consultants.
 - ii. Provide billing rates of key staff and sub-consultants
 - e. Examples of relevant projects completed by the Firm, including:
 - i. Project Name and Location
 - ii. Summary of Scope/Services Provided
 - iii. Project Size and Construction Value
 - iv. Duration of Project
 - v. Owner/Representative name and contact information
 - f. At least three (3) references including entity name contact person and telephone number.
 - g. A statement verifying the Firm's ability to execute a contract upon award.

D. Evaluation Criteria and Selection

Evaluation criteria include:

1. Qualifications of the firm.
2. Relevant past project experience of the firm and key team members.
3. Approach to managing the associated work described of the project.

The review team will evaluate each SOQ and make recommendations to the Board of Trustees based on the evaluation criteria provided above. Interviews may be held at the discretion of KWD. KWD reserves the right to obtain clarification or additional information from any firm regarding its SOQ.

If KWD determines that one or more of the firms have acceptable qualifications, KWD will work with the preferred firm to develop an exact Phase I scope of work and fee.

If a scope of work and fee cannot be agreed upon, KWD will work with one or more of the other firms soliciting SOQs, as needed, or solicit SOQs from additional firms.

Analyte	UCMR-3 Round 1 - 1/15/2015		UCMR-3 Round 2 - 4/6/2015		UCMR-3 Round 3 - 10/16/2015		UCMR-3 Round 4 - 3/10/2016		Sampling Round 1 - 05/15/19		Sampling Round 2 - 08/15/19		Sampling Round 3 - 11/15/19		Sampling Round 4 - 02/04/21		Sample Round 5 - 5/12/2021			Sample Round 6 - 10/22/2021		Sample Round 7 - 09/09/2022				
	Finished Water	Result (ng/L)	Finished Water	Result (ng/L)	Finished Water	Result (ng/L)	Finished Water	Result (ng/L)	Raw Water	Result (ng/L)	Finished Water	Result (ng/L)	Raw Water	Result (ng/L)	Finished Water	Result (ng/L)	China Lake West Basin	Result (ng/L)	China Lake East Basin	Result (ng/L)	China Lake North Basin	Result (ng/L)	Finished Water	Result (ng/L)	Finished Water	Result (ng/L)
Perfluorobutanesulfonic acid (PFBS)	Not Tested	<20	Not Tested	<20	Not Tested	<20	Not Tested	<20	Not Tested	Not Tested	<2	Not Tested	Not Tested	<2	Not Tested	<2	<2	<2	<2	<2	<2	<2.00	<2.00	<2.00	<2.00	<2.00
Perfluorohexanesulfonic acid (PFHpA)	<50	<50	<50	<50	<50	<50	<50	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2.00	<2.00	<2.00	<2.00	<2.00
Perfluorooctanesulfonic acid (PFOS)	<30	<30	<30	<30	<30	<30	<30	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2.00	<2.00	<2.00	<2.00	<2.00
Perfluorodecanesulfonic acid (PFDA)	<20	<20	<20	<20	<20	<20	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2.00	<2.00	<2.00	<2.00	<2.00
Perfluorododecanesulfonic acid (PFDDA)	<20	<20	<20	<20	<20	<20	<20	3.8	3.8	2.9	4.2	2.7	2.2	4.2	3.3	3.6	3.6	3.6	3.4	3.4	4.2	3.43	<2.00	<2.00	<2.00	3.26
Perfluorooctanoic acid (PFPOA)	Not Tested	<20	Not Tested	<20	Not Tested	<20	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<2	<2	<2	<2	<2	<2.00	<2.00	<2.00	<2.00	<2.00
Perfluorodecanoic acid (PFDDA)	Not Tested	<20	Not Tested	<20	Not Tested	<20	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<2	<2	<2	<2	<2	<2.00	<2.00	<2.00	<2.00	<2.00
Perfluorododecanoic acid (PFDDA)	Not Tested	<20	Not Tested	<20	Not Tested	<20	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<2	<2	<2	<2	<2	<2.00	<2.00	<2.00	<2.00	<2.00
Perfluorotridecanoic acid (PFTTDA)	Not Tested	<20	Not Tested	<20	Not Tested	<20	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<2	<2	<2	<2	<2	<2.00	<2.00	<2.00	<2.00	<2.00
Perfluoroundecanoic acid (PFUJDA)	Not Tested	<20	Not Tested	<20	Not Tested	<20	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<2	<2	<2	<2	<2	<2.00	<2.00	<2.00	<2.00	<2.00
N-methyl Perfluorooctanesulfonamidoacetic acid	Not Tested	<20	Not Tested	<20	Not Tested	<20	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<2	<2	<2	<2	<2	<2.00	<2.00	<2.00	<2.00	<2.00
N-methyl Perfluorodecanesulfonamidoacetic acid	Not Tested	<20	Not Tested	<20	Not Tested	<20	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<2	<2	<2	<2	<2	<2.00	<2.00	<2.00	<2.00	<2.00
PFPOA/GenX	Not Tested	<20	Not Tested	<20	Not Tested	<20	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<2	<2	<2	<2	<2	<2.00	<2.00	<2.00	<2.00	<2.00
ADONA	Not Tested	<20	Not Tested	<20	Not Tested	<20	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<2	<2	<2	<2	<2	<2.00	<2.00	<2.00	<2.00	<2.00
SCF3EONS/F-53B Major	Not Tested	<20	Not Tested	<20	Not Tested	<20	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<2	<2	<2	<2	<2	<2.00	<2.00	<2.00	<2.00	<2.00
SCF3EONS/F-53B Minor	Not Tested	<20	Not Tested	<20	Not Tested	<20	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<2	<2	<2	<2	<2	<2.00	<2.00	<2.00	<2.00	<2.00
11-chlorooctadecafluoro-4,8-dioxabicyclo[3.3.1]nonane-2-sulfonic Acid	Not Tested	<20	Not Tested	<20	Not Tested	<20	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<2	<2	<2	<2	<2	<2.00	<2.00	<2.00	<2.00	<2.00
4,8-dioxabicyclo[3.3.1]nonane-2-sulfonic acid*	Not Tested	<20	Not Tested	<20	Not Tested	<20	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	<2	<2	<2	<2	<2	<2.00	<2.00	<2.00	<2.00	<2.00