



REQUEST FOR PROPOSALS

DESAL ANTISCALANT/CLEAN-IN-PLACE CHEMICALS

BID NO: 18-18006

ADDENDUM 4

BIDS DUE: April 30, 2018 @ 3:00 PM Central Time

To report suspected ethics violations impacting the San Antonio Water System,
please call 1-800-687-1918.

Addendum 4 is issued to perform the following:

Revised item g in performance specifications section 2 of Attachment C of Addendum 2

- Revised item g) performance specifications section 2 of Attachment C of Addendum 2. g) If the supplier needs to perform an autopsy on an existing membrane element that H2Oaks BGD plant is currently using, then the supplier needs to provide a new membrane element to SAWS H2Oaks facility on April 9, 2018. The manufacturer and model number of the new membrane element needs to be same as the manufacturer and model number of the existing membrane elements. SAWS BGD plant is using RO membrane elements manufactured by Dow Filmtec (model number: BW30-400/34).

The supplier needs to provide wet test data of the new membrane. The wet test data needs to show that the new membrane is capable of rejecting a minimum of 99.5% of NaCl when the test is performed using 2,000 ppm (mg/L) of NaCl.

After receiving the new membrane element, SAWS will replace an existing membrane element with the new one in one of the RO trains, and provide the used membrane element to the supplier. Each supplier will be able to obtain a maximum of one used membrane element. The supplier will inform SAWS from which stage (1, 2 or 3) the membrane element needs to be obtained. The supplier will be fully responsible to drop off and pick-up the new and used membrane elements. Drop off and pick-up location of the membrane element is H2Oaks Center (4588 Hardy Road, Elmendorf, TX, 78112). SAWS will get the used membrane ready at H2Oaks facility for the suppliers to pick up on April 10, 2018 at 3:00 p.m.

The supplier will contact Joseph Ramon (210-233-2335; joseph.ramon@saws.org) if they are interested in a membrane and shall coordinate with Shawn Dorn (Shawn.Dorn@saws.org; 210-233-3560) and/or Rob Escobar (Robert.Escobar@saws.org; 210-233-3514) to schedule the drop off and pick up of the membrane element at H2Oaks Center (4588 Hardy Road, Elmendorf, TX, 78112).

Changed to g) If the supplier needs to perform an autopsy on an existing membrane element that H2Oaks BGD plant is currently using, then the supplier needs to provide a new membrane element to SAWS H2Oaks facility on **April 17, 2018**. The manufacturer and model number of the new membrane element needs to be same as the manufacturer and model number of the existing membrane elements. SAWS BGD plant is using RO membrane elements manufactured by Dow Filmtec (model number: BW30-400/34).

The supplier needs to provide wet test data of the new membrane. The wet test data needs to show that the new membrane is capable of rejecting a minimum of 99.5% of NaCl when the test is performed using 2,000 ppm (mg/L) of NaCl.

After receiving the new membrane element, SAWS will replace an existing membrane element with the new one in one of the RO trains, and provide the used membrane element to the supplier. Each supplier will be able to obtain a maximum of one used membrane element. The supplier will inform SAWS from which stage (1, 2 or 3) the membrane element needs to be obtained. The supplier will be fully responsible to drop off and pick-up the new and used membrane elements. Drop off and pick-up location of the membrane element is H2Oaks Center (4588 Hardy Road, Elmendorf, TX,

78112). SAWS will get the used membrane ready at H2Oaks facility for the suppliers to pick up on **April 18, 2018 at 3:00 p.m.**

The supplier will contact Joseph Ramon (210-233-2335; joseph.ramon@saws.org) if they are interested in a membrane and shall coordinate with Shawn Dorn (Shawn.Dorn@saws.org; 210-233-3560) and/or Rob Escobar (Robert.Escobar@saws.org; 210-233-3514) to schedule the drop off and pick up of the membrane element at H2Oaks Center (4588 Hardy Road, Elmhurst, TX, 78112).

- Replace the existing paragraph of item 5.c in Attachment C of Addendum 1 with the following paragraphs:
 - c) At no cost to the SAWS, the supplier shall perform autopsy analyses before a cleaning event. At no cost to the SAWS, the supplier will provide **new** membrane elements to the SAWS to replace the membranes that will be used for autopsy. **The manufacturer and model number of the new membrane element needs to be same as the manufacturer and model number of the existing membrane elements. SAWS BGD plant is using RO membrane elements manufactured by Dow Filmtec (model number: BW30-400/34).**

The supplier needs to provide wet test certificate of analysis (COA) of the new membrane. The wet test COA needs to show that the new membrane is capable of rejecting a minimum of 99.5% of NaCl when the test is performed using 2,000 ppm (mg/L) of NaCl.

- Add the following paragraph in attachment D of Addendum 1
 - j) **To perform pilot study at H2Oaks Research area, the supplier will be responsible to hire the services of a license electrician to install the appropriate circuits needed to run the pilot units. This includes circuit breakers, cables, conduits, step down transformers, receptacles, and disconnect switches. There is a 50-amp, 480-volt, 3-phase panel located in the Research area that can be used to install the required circuit breakers and required circuits. The panel has 4-2" empty conduits extended above the suspended ceiling on to a cable tray system that runs around the research area inside the suspended ceiling.**

If voltages other than 480-VAC are needed, the Contractor is responsible to install a step down transformer and associated cables and conduits. Temporary extension cords will not be allowed. All circuits, whether 480 VAC, 3-phase or other lower voltages, need to be installed by a licensed electrician and be in compliance with the 2017 National Electrical Code.

QUESTION:

- Does a wet test need to be done when submitting a membrane to SAWS?

Response: SAWS requires the wet test COA (certificate of analysis) for the new membrane because when SAWS membranes were installed (approximately 18 months ago), SAWS received the wet test COA for each and every membrane.

SAWS also checked with the manufacturer about the wet test COA for an individual new membrane element. The manufacturer confirmed that if required, the manufacturer provides wet test COA of an individual membrane element.

- Does this requirement apply to brand new membranes?

Response: Yes.

All other terms and conditions of the original bid remain unchanged.

IT IS NOT NECESSARY TO RETURN THIS ADDENDUM 4 AS PART OF YOUR BID SUBMISSION