



Addendum #1
ITB # 18-21, Membrane Cleaning Chemicals and Related Services
2/18/2021

NOTICE IS HEREBY GIVEN that the following addendum serves to provide clarification and to answer the questions received on ITB # 18-21, MEMBRANE CLEANING CHEMICALS AND RELATED SERVICES.

Please note that Corrections/Additions have been made to the Bid document (copies of corrected pages are attached):

Remove: **BID PRICING, pg. 23**
Replace: **REVISED BID PRICING, pg. 23**

Clarification 1: The destructive membrane autopsy requires a detailed pdf report within 5 business days, but as the attached picture shows, the test can take longer to provide affirmative results, 7-9 days.

Answer to Clarification 1: *The City expects to have the report within five (5) days of the completion of the autopsy test. If a vendor requires additional time, the length in days should be noted on the Exceptions/Additional Materials/Addenda, page 24, of the bid submittal.*

Question 1: Who is currently servicing this and at what price?

Answer to Question 1: *The current provider of the membrane cleaning chemicals is American Water Chemicals, Inc. The current pricing for the low pH membrane cleaner is \$200.00 per pail and \$217.00 per pail for the high pH membrane cleaner.*

Question 2: Do you consume sulfuric acid at all for pH adjustment?

Answer to Question 2: *The City does not use sulfuric acid in any water treatment plant at this time.*

Question 3: About how often has the city required membrane autopsies to have been performed (once a year, once in the past 5 years...)?

Answer to Question 3: *Autopsies are conducted on an as-needed basis. The City expects to conduct four (4) to six (6) autopsies in the next three (3) years as membranes are replaced.*

Question 4: What pretreatment chemical is used ahead of each RO plant (antiscalant) and at approximately what dose for each plant?

Answer to Question 4: *Reverse Osmosis (RO) Plant #1 is a freshwater RO treatment plant with iron and arsenic in the source water. Pretreatment is pre-chlorination, dual media filtration, dechlorination with bisulfite, antiscalant and finally filtration with one (1)*



micron cartridge filters. The antiscalant is A102+, dosed at 2.0 mg/l provided by American Water Chemicals, Inc.

RO Plant #2 is a brackish water RO treatment plant. Pretreatment is filtration with five (5) micron cartridge filters and antiscalant. The antiscalant is A111+, dosed at 1.8 mg/l provided by American Water Chemicals, Inc.

End of Questions and Answers

All other dates and terms and conditions remain the same in this Invitation to Bid.

End of Addenda

REVISED BID PRICING

Pursuant to the contract specifications enumerated and described in this solicitation, we agree to furnish **Membrane Cleaning Chemicals and Related Services** to the City of Clearwater at the price(s) stated below.

Item No.	Description	Annual Estimated Quantity (A)	Unit of Measure (UOM)	Unit Price (B)	Total Price (A*B)
3a	Membrane Cleaner- low pH (delivered in 50 lb. pails)	150	Pail	\$	\$
3b	Membrane Cleaner – high pH (delivered in 45 lb. pails)	230	Pail	\$	\$
5a	Destructive Membrane Autopsy	4	Element	\$	\$
5b	Material Analysis	4	Sample	\$	\$

DELIVERY REQUIREMENTS

_____ Yes, our company can meet the thirty (30) day delivery time.

_____ No, our company cannot meet the thirty (30) day delivery time but can deliver the products within _____ days.

FOB: Destination, Freight Prepaid and Allowed

Freight Costs: Unit prices should include all freight and transportation charges

PAYMENT TERMS:

City of Clearwater's standard payment terms are NET30

Vendor: _____ Date: _____