



Addendum No. 2

To Bid Package for

REVERSE OSMOSIS MEMBRANES FOR WATER TREATMENT PLANT

Monday, March 15, 2016

NOTICE TO ALL BIDDERS

All bidders are to make the following clarifications to the Bid Package. Include signed Addendum No. 1 with bid or email acknowledgement to DNguyen@BeverlyHills.org

QUESTIONS & CLARIFICATIONS:

1. Page 4 lists that membrane performance submittals must be included with the bid. Section 11402-1.05 B and C require 6 different flow conditions at three recoveries. As listed, this requires that all bidders perform 18 separate membrane projections on a bid that that has three other bidders on the bid list. Would you consider revising so that only a few projections are required at bid (upper and lower limits for example), and only the successful bidder provides the 18 projections as requested.

Answer: *No. Bidders to provide 18 projections as specified. Projections can be provided in paper-based format, pdf files shall be submitted at a later time by the successful bidder.*

2. Section 11402-1.06.B.2.a.1.d states that membrane elements should be tested at 110 or 150 psi. Our test pressure for our proposed element is 225 psi, please confirm this is also acceptable.

Answer: *225 psi test pressure is acceptable.*

3. Section 11402-1.07.A states that elements must be preserved with a 1% sodium bisulfite solution. Would you allow 1.0% sodium bisulfite or other oxygen absorber as recommended by the manufacturer.

Answer: *Other absorber as recommended by manufacturer is acceptable.*

4. Section 11402-2.01.B.4. requires that elements have a nominal active area of 365 or 400 square ft. Are elements with 370 square ft. of nominal active area also acceptable?

Answer: *Yes. 370 sq. ft is also acceptable.*

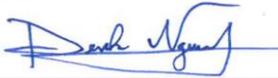
5. Section 11402-3.04.B.5. Biological matter or sparingly soluble salts are not the only compounds that can irreversibly foul membranes. This list does not include oil (I am picking oil as a random example) which is a relatively common irreversible foulant of RO membranes. Please revise this

list to contain “Biological matter, sparingly soluble salts, or any compounds in the feed water have not irreversibly fouled the membranes.” If such a compound were exposed to the membranes and reduced the flow it should not be the responsibility of the membrane manufacturer to supply replacement elements under warranty, since we have no control over what is in the feedwater.

Answer: No change. Provide as specified.

6. Section 11402-1.08. Bid Evaluation. Basing the bid 100% on price (while leaving a low rejection standard such as 95%) encourages bidders to provide their least expensive, lowest quality (thus highest yield) membrane available. Further, it discourages innovation and penalizes the membrane manufacturers that re-invest in research, training, and support of their RO products. This type of bid scenario also does not consider total life of the membrane, which in some cases is many years longer if a high quality membrane is used in lieu of a low quality membrane. Would the city also consider other variables into the decision other than cost, such as:
- a. If membranes are rolled in the United States
 - b. If the membranes are typically in stock
 - c. If the supplier has a local California representative to assist the city when required
 - d. If the supplier has at least 5 other plants in California in operation that are as large or larger than this current project, without warranty claims.

Answer: No change. Provide as specified.



Derek Nguyen, Ph.D., P.E.
City of Beverly Hills – Public Works Services Dept.

By signing below, the bidder acknowledges receipt of this Addendum No. 1 on this _____ day
of _____, 2016.

Bidder: _____

By: _____