

BRUSH AERATOR RFP #8316 RESPONSE TO QUESTIONS



1. Question: It appears that the gangplank from the bank to the aerator is self-supporting with steels legs at the aerator end of the gangplank. Please confirm that the walkway does not impart any weight on to the aerator itself?

Answer: There may be some minor weight from the walkway.

The Gangplanks have attachment points utilizing a stainless steel pin. The attachment point is a loosely fit design, the base attachments made of high carbon steel or a heavy stainless such as 400 series stainless or 18/10 Stainless at shore.

This is attachment at shore



The attachment point on the floating Mixer/dock



2. Question: The Background narrative describes a floating dock to which the mixer is mounted. Is the intent that the new aerators will replace the dock and mixer assembly completely? That is our assumption since the aerators are specified with their own floats.

Answer: Yes, the intent is to replace the dock and mixer assembly.

New Aerators should be on floats Capable of placing "Walk-On Dock" With the connections for the gangplank. The Gangplank does support "itself" partially on its own Ballast Pontoon.



3. Question: Assuming the existing dock and mixers are being removed, what is the preferred mounting/attachment method for the new aerator to the gangplank? We can see stabilizing cables on the existing frame that attach to the shore. Are these to be retained/replaced or abandoned? We cannot see the gangplank to dock/mixer connection itself. The Anchoring spec says that 3' water surface elevation variability is required, what other flexibility and attach/detach mechanism is required of this connection?

Answer: Bolted. Docks/Pontoons/Float assemblies should be attached in a similar fashion as they currently are. The Gangplank is actually a rigid structure that keeps the Dock attached to shore and maintains the placement of the Mixer in the pond. Guide wires stabilize the position of the mixer against lateral movements from flow and winds.

4. Question: The new aerators are not specified with any type of access platform, walkways or handrails. These are available in a variety of configurations if you wish to recreate something with similar access to what the current floating dock provides.

Answer: Yes. We need to have these access walkways with handrails. This facilitates ease of maintenance for PM's/ Repairs and inspections.

5. Question: Struvite coating: this is an open-ended requirement. We epoxy-powder coat which has proven effective at reducing the rate of struvite build-up and makes removing struvite easier but it may not eliminate struvite build-up entirely. Epoxy-powder coating our equipment is relatively costly, we can provide a full specification for this process as needed. Our concern is that other coating options from alternate bidders may be less costly and less effective but it is difficult to tell from the specs as to what will be acceptable.

Answer: Struvite build up on a stainless unit has not been determined yet, as we have none of them in service. Recommended coatings, if any, should be included as options with specifications and costs.

6. Question: Submittals: there appears to be no requirement to provide an engineering submittal following award of a contract, only shop and service manuals. Considering some of the questions above and the variances in construction, materials, coating and mounting options we would suggest that the submittal process is a significant benefit to you as a customer in ensuring that the equipment you receive meets all your needs.

Answer: We may ask for "engineering submittals" depending on if the equipment is "off the shelf" or "custom".

7. Question: Delivery: this clause mentions "delivered and installed". Please confirm if you require the aerator vendor to perform installation services including off-loading, siting, mechanical and electrical connections and

outline what if any equipment or support is available from Regional San to assist with tasks such as crane or fork-lift for unloading equipment and setting in lagoon.

Answer: Regional San can supply crane and unloading assistance; bidder will be responsible for setting/placing and operation of the units before turnover to Regional San for operation and maintenance. Regional San staff will perform any electrical connections.

8. Question: Delivery costs: please note that delivery cost per aerator becomes a function of quantity of aerators procured. The freight cost to supply one aerator is similar to the freight cost to supply 3 or 4 since it is a single truck in both circumstances. Once that truck is fully loaded a second truck may be required for additional aerators and so on. We will provide a freight cost for the base four aerators (2x10 HP and 2x15 HP) and we will provide details on the "max. quantity per truck" and the "cost per truck" for the additional 15 HP units.

Answer: Acknowledged.

9. Question: Are there two different sets of dimensions for the gangplank, one for the 10 HP motor and one for the 15 HP motor?

Answer: No, attached is a document presenting measurements of the existing gangplanks.

10. Question: Can we assume that we will not have to demonstrate a unit on site?

Answer: Yes.

11. Question: If the new units do not match up with the existing gangplanks, will the customer modify the gangplanks?

Answer: Modifications may be necessary for the equipment to attach to the existing gangplanks. The proposal should include information about any modifications/costs that will be necessary based on the information provided regarding the gangplanks.