

## **Addendum No. 1**

### **2009 Tank Inspecting and Cleaning Contract**

**Bid # 0910-144**  
**October 14, 2009**

The following information, clarifications, changes and modifications are by reference incorporated into the bid documents for the above referenced project. Any work item or contract provision not changed or modified will remain in full force and effect. The bid date and time and construction schedule remain the same.

#### Questions Received:

1. Per OSHA and AWWA C-652-02 a three man team is required for all water tank and reservoir services. This is to include two divers and a divers tender. In the event of an emergency one person could not extract the diver safely from the water in the event of an emergency.

A TMWA employee will be on-site during dives to make up the third member of the team and assist in emergencies, if needed. We have operated this way for several years.

2. Also AWWA C-562-02 also allows the use of a full face mask, band mask and/or helemt as suitable means of diver headdress. Allowing a helmet only may put the diver at risk of neck stress and/or injuries due to the need to access different type of tank areas and situations. Helmets can be limiting, can allow mucus to pass to the water as they do not have a positive pressure system like our full face mask and/or band mask. Please refer to AWWA C-652-02 that many us tank maintenance firms put many years into getting this standard approved for AWWA. Thank you.

A full-face mask, full band mask with hood, or a helmet are all acceptable provided they provide an unbroken barrier between the diver and the tank water.

3. Extech is a professional water tank inspection, cleaning and corrosion-consulting company. We conduct our tank inspections and cleanings utilizing remotely operated vehicles. We have been notified by Onvia of your RFP for Truckke Meadows Water Authority, will TMWA consider ROV methods for this work? We have conducted ROV tank inspections and cleanings in all 50 states you can visit our website at [www.extechllc.com](http://www.extechllc.com)

TMWA is not considering alternatives to the method for inspecting and cleaning these tanks at this time.

4. When were your tanks last cleaned and or Inspected?

Our tanks are inspected at least once every five years. If more than ½ inch of sediment is detected, they are normally cleaned. Cleaning is authorized and directed by the TMWA Project Manager and may be required at less than ½ inch.

5. Earlier in the year you had some work done on the cover of one or more of your large reservoirs, was a sediment measurement taken at that time? If so what was the average measurement?

No. The external cover was cleaned.

6. Due to the time involved in removing sediment from tanks we need to know the amount of sediment to or we need to have something stated in the bid documents that cleanings are based upon a removal of say 3" of sediment and have an additional line item of cost per additional Inch.

The level of sediment has never been larger than two to three inches. We have installed a rapid filtration system. Before filtration went into effect we reached three inches on one occasion. For the purposes of your bid pricing, the sediment will always be less than three inches.

7. At what level of sedimentation found in the tanks would your personnel decide to pull the trigger on cleaning the tanks?

See item #4

8. Due to the time involved in cleaning your large reservoirs, we would need to be able to submit a correct invoice upon completion and acceptance of each of the large reservoir cleanings. Is that ok?

The Successful Vendor is entitled to payment once every thirty days for the work completed.

9. Is dechlorination of discharge water with Sodium Thiosulfate acceptable?

Yes

10. Can the water and sediment be de-chlorinated and discharged on site and be allowed to run off into open areas and or storm drains.

TMWA will direct the contractor for disposal of sediment water. Disposal will not increase cost to the Vendor.

11. Will you folks be providing the Sodium Thio if it is needed?

We have never needed it before, but do have it available at not cost to the Vendor.

10. Do we need to submit a Homeland Security Deposit for this Bid?

No Homeland Security Deposit is required.

11. There is also no mention of a any type of bond?

Bonding is not required.

End of Addendum No. 1