



ADDENDUM 2

November 7, 2018

ITB WS 06-19

**VERTICAL TURBINE PUMP SYSTEM BID
(Equipment Only)**

for the
Arbennie Pritchett WRF Reclaimed Water Expansion Project

Questions Deadline: Monday, November 19, 2018

Bids Due: Wednesday, November 28, 2018 at 3:15 p.m

Updated website for obtaining bid drawings:

<http://www.tcgfiles.com/Documents/>

Question 1: What is the Total Pump Length?

Response 1: Please refer to the drawings. The approximate distance for each pump from the bottom of the soleplate to the bottom of the last bowl is 16' and `17-5" for the large and small pump respectively. The pump dimensions shall match the centerline of the discharge as shown on the drawings and the bowls shall be submerged as far possible while meeting the minimum clearances from the slab.

Question 2: Are the pumps water or oil lubricated?

Response 2: Oil lubricated bearings. Grease may be allowed on lower guide bearing.

Question 3: Do you require a mechanical seal or standard packing to be accepted?

Response 3: Please refer to Section 11215, Subsection 2.01.K. additionally, the seal should be a self-flushing mechanical seal, a Chesterton 155 Single Cartridge type is intended.

Question 4: Do you need a suction strainer?

Response 4: Manufacturer must provide a strainer if the pump cannot pass more than a 1" solids.

Question 5: Section 09900 Painting 1.8.D Inspection & Testing

Does the Supplier need to provide coating testing equipment requested for the job site?

Response 5: No, coating testing will be provided is necessary

Question 6: Do the pump need to be shipped for installation or long term storage?

Response 6: Pumps installation will be managed under a separate Contract. Installation will be dependent on pump lead time and completion of wetwell. It is anticipated the pumps will be installed within 60-90 days of shipment to the site.

Question 7: 2.02.A.12 Is the Supplier to provide the NEMA4X panel?

Response 7: No, this will be provided under a separate Contract.

Question 8: 2.06 Instruments, are Float Switches to be provided and if length of cord is required?

Response 8: Yes, Float switches – Anchor Scientific P60NO-SST shall be provided. Floats shall be teflon coated stainless steel, with 60' cable, and shall be normally open contacts and closes whenever the float is tripped. A total of 6 floats shall be provided.

Question 9: Submersible level transducer, what is owner's standard and what length and pressure range?

Response 9: The Submersible Pressure Transducer shall be Endress Hauser Waterpilot FMX21, with pressure range for 0-30PSI

Question 10: Pressure transducer, what is owner's standard?

Response 10: Endress Hauser Cerabar PMC71

Question 11: 3.01 Installation, Up-fronts say bid is for equipment only with start-up but please confirm installation is not needed.

Response 11: Confirmed, installation will be provided under a separate Contract.

Question 12: 3.03 Testing, Balance of Vibration. Do we need to provide field vibration testing with report?

Response 12: Yes, please refer to Specification Section 11215.3.03 Testing