



# Upper Occoquan Service Authority

*Leader in Water Reclamation and Reuse*

14631 COMPTON ROAD, CENTREVILLE, VIRGINIA 20121-2506  
(703) 830-2200

**To:** Official Contract Document Holders

**Subject:** Questions from Official Bidding Document Holders

**Date:** January 30, 2024

## INTERPRETATIONS AND CLARIFICATIONS

Pursuant to the Instructions to Bidders, Article 1.B, the following interpretations and clarifications are being offered in response to questions from potential bidders and other interested parties. These responses are intended to clarify, not change, the terms, conditions, and scope of the Work.

1. **Question:** Drawing H-4 Building M calls for Exhaust Fan 1 & 2 and a 40"X66" Motor Operated Damper with filter housing. Please provide an HVAC Schedule for the following items.

**Response:** See Addendum #3 Item C. 1 for updated HVAC Schedules for exhaust fans M-EF-1 and M-EF-2. Motor-operated dampers sizes are indicated on plan views. Refer to Specification Section 233300 Paragraph 2.5 for control damper requirements. Provide each damper with 120V, 2-position (power to open, spring return to close) actuator. Coordinate with HVAC controls in Specification Section 230923.

2. **Question:** Drawing H-5 Ozone Contactor 86 calls for two 16"X84" motor-operated dampers with filter housing, two exhaust fans, and an electric unit heater. Please provide an HVAC Schedule for the following items.

**Response:** See Addendum #3 Item C. 1 for updated HVAC Schedules for exhaust fans 86-EF-1 and 86-EF-2 and unit heaters 86-EUH-1 and 86-EUH-2. Motor-operated dampers sizes are indicated on plan views. Refer to Specification Section 233300 Paragraph 2.5 for control damper requirements. Provide each damper with 120V, 2-position (power to open, spring return to close) actuator. Coordinate with HVAC controls in Specification Section 230923.

3. **Question:** Specification 221316 Part 2, 2.3 calls for the sanitary waste & vent piping to be Hub-And-Spigot, Cast-Iron Soil Pipe, And Fitting. Section 2.4 calls for Hubless, Cast-Iron Soil Pipe And Fittings. Section 2.5 calls for galvanized steel Pipe And Fittings. Please Clarify the material needed for the sanitary waste and vent piping.

**Response:** Refer to Specification Section 221316 Paragraph 3.11 for the sanitary waste & vent piping schedule.

4. **Question:** Drawing M-13 shows some sort of coupling next to the 60" butterfly valve on the filter effluent line, but we are unable to determine what type of coupling. Please advise.

**Response:** It is a restrained dismantling joint. See Addendum #3 Items B. 2 and C. 2.

5. **Question:** On drawing M-15 the note near the call out for detail A states there are Typ. 3 injection nozzle manifolds, and 1 future. Two are shown in solid lines and one in dashed lines. Please confirm the contractor is to furnish and install two manifolds and not three.

**Response:** Two side stream injection nozzle manifolds shall be provided under this contract. See Addendum #3 Items C. 3 and C. 4.

6. **Question:** Please clarify the lining type for the CWROL & CWSOL shown on drawing M-3. Will the lining Cement-Mortar Lining or Epoxy lining.

**Response:** In accordance with Specification Section 400519 Paragraph 2.1.D, ductile iron cooling water piping shall be epoxy lined.

7. **Question:** Pipe materials are identified on both the Contract Drawings and on the Process Pipe Schedule in 400515. Please confirm the drawings take precedence over the specifications on pipe materials.

**Response:** Refer to General Conditions Item 39.C for order of precedence for the Contract Documents.

8. **Question:** Please provide wall thickness for 60" 316 stainless steel pipe (FE) that penetrates the ozone contactor on Drawing M-16.

**Response:** The pipe wall thickness for the 60" 316 SS pipe in the ozone contactor is 0.375". See Addendum #3 Item B. 3.

9. **Question:** Please provide the percentage of field weld radiographic inspection test needed.

**Response:** No specification or drawing reference was provided and it is not clear what this question is referencing. If this question refers to field welding of stainless steel piping for ozone service, see Addendum #3 Item B. 1.

10. **Question:** Please reference Drawing I-13. Does pressure switch PSH 54-831 and air release valve ARV-835 for future pump number 6 get installed as a part of this project or are these future as well?

**Response:** L/2-V-831, L/2-V-832, L/2-V-833, PSH 54-831 and L/2-ARV-835 are future work and not required under this contract.