



GUAM WATERWORKS AUTHORITY

Upgrade of the Northern District Wastewater Treatment Plant

GWA Project No. S17-003-OEA

IFB-02-ENG-2019

Response No. 7 to Step 2 Contractor Inquiries

This Addendum and/or Response to Request for Information (RFI) is issued to modify the previously issued bid documents and/or given for informational purposes and to the extent the responses below modify the bid documents, please treat them as an amendment to the Bid. The following responses are in response to RFIs received.

RFI No.	REFERENCE SECTION	QUESTION/INQUIRY AS SUBMITTED	GWA RESPONSE
18a	Procurement Checklist	<p>The 3 forms below are not specifically mentioned on Procurement Checklist. Would they fall under "Forms and Documents Required by Bid or Addenda Not Referred to Above"?</p> <ul style="list-style-type: none"> a. Affidavit RE Gratuities or Kickbacks b. Affidavit RE Ethical Standards c. Affidavit RE Contingent Fees 	<p>The 3 listed forms must be submitted with the bid. However, these forms will not be checked off for bid compliance and will not be read during the bid opening.</p>
18b	Specification 330501	<p>Reference Specification Section 330501.10/2.01/A/2/a/2 (page 3):</p> <ul style="list-style-type: none"> a. This section states "Pressure rating shall be based on hydrostatic design stress of 1000 psi at 73 degrees F." b. The 1000 psi figure appears to be erroneous (100 psi perhaps?), please confirm. 	<p>Pressure should be 100 psi.</p>
18c	Specification 444516	<p>Reference the Coarse Bubble Air Diffuser System, Sheet 19.0.1 and Specification 444516.01.</p> <ul style="list-style-type: none"> a. Does the Coarse Bubble Air Diffuser System scope of supply include the 8", 6" and 4" isolation butterfly valves? b. Please confirm the 8", 6" and 4" dia. ALP piping on 19.0.1 (and MP9.2.1) downstream of the butterfly valves shall be supplied by the Coarse Bubble Air Diffuser System supplier (no "*" are shown on Sheet 19.0.1). 	<p>Contractor is responsible for coordinating scope delineation with supplier. Typically, the coarse bubble diffuser supplier does not supply any valves. Typically, the coarse bubble diffuser supplier connects to a "drop leg" from the general contractor. All components are required and scope of work split is up to contractor. Coordinate with supplier.</p>

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18d	Specification 466656	<p>Reference instrument tag 06-AE-101 and 06-AIT-101 (UVT) shown on I6.0.1</p> <p>a. Is this instrument the "Ultraviolet Transmittance Analyzer" from Specification Section 466656/2.9 (page 6)?</p> <p>b. This instrument is not listed on 409100 Supplement 1. Is this instrument to be furnished by the UV System manufacturer?</p>	<p>a. Yes</p> <p>b. Yes</p>
18e	Sheets I7.0.2 and I1.0.2 and C5.1.7 I	<p>Regarding the 6" dia. line from Septage Lift Station to Route 3 Pump Station:</p> <p>a. Sheets I7.0.2 and I1.0.2 label this line as 'SEP' (glass-lined ductile iron pipe).</p> <p>b. Sheet C5.1.7 label this line as 'S' (C900 PVC).</p> <p>c. Which is correct?</p>	<p>The 6" -DIA line from the septage lift station to Route 3 pump station shall be SEP (glass-lined ductile iron pipe).</p>
18f	Sheet I9.0.2	<p>Sheet I9.0.2 show a 10" dia. plug valve on the GBT feed pump discharge main. The MP Sheets (MP9.2.2, MP9.3.1 and MP9.9.1) do not show this valve. Which is correct?</p>	<p>P&ID is correct. Buried 10" plug valve will be added to yard piping drawing C5.1.23.</p>
18g	Sheets I11.0.4 and I12.0.1	<p>Sheets I11.0.4 and I12.0.1 show a 2" dia. D line from the Biofilter Mist Scrubber to the Sump Pit in the Digester Equipment Bldg. Sheet MP11.2.2 show a 6" D line from the Mist Scrubber to SMH #26 (shown on C5.1.30). Which is correct?</p>	<p>Yard piping drawings are correct. The 6" Biofilter Mist Scrubber goes to SMH #26. The 2" condensate drain from the 36"OA drains to the sump pit in the Digester Equipment Building. See revised drawing I11.0.4.</p>
18h	(OA) Odorous Air Duct, I-Sheets and MP-Sheets	<p>The OA (Odorous Air) duct on the I-Sheets and the MP-Sheets do not match. Which is correct? For example:</p> <p>a. MP12.2.5, MP12.2.6 and MP12.2.7 show 16" dia. OA duct connected to ATAD Tank 1 and 2. I11.0.1 and I11.0.2 show this OA duct is 36" dia.</p> <p>b. MP12.2.5 appear to show two 36" dia. connections to the SNDR Tank, one below the 90 degree elbow and one below the tee. I11.0.3 show one 36" dia. connection to the SNDR Tank.</p> <p>c. Should the 36" dia. dilution damper on I11.0.3 be connected to the 36" dia. OA duct that leads to the Biofilter?</p> <p>d. On MP12.2.5, the 11-DPR-303 dilution damper call-out appears to be pointing to an access hatch.</p>	<p>a. Mechanical drawings are correct. See updated drawings for Addendum B.</p> <p>b. P&ID has been updated to show two 36" OA connections to the SNDR Reactor.</p> <p>c. The dilution damper does not connect to the OA piping or biofilter. The mechanical drawings are correct.</p> <p>d. The callout is correct and is pointing to the dilution damper. Coordinate penetration requirements with ATAD manufacturer.</p>
18i	Sheet MP11.2.3	<p>A call out on Sheet MP11.2.3 says to use Detail C/MP0.8.3 for 36" dia. OA duct against the Biofilter structure. Detail C/MP0.8.3 says "16" to 24" FRP Duct". Is Detail C/MP0.8.3 is okay for 36" dia. OA duct?</p>	<p>Support is correct for 36" OA. Member sizes and dimensions shall follow duct support manufacturer's recommendation.</p>

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18j	(OA) Odorous Air Duct, MP-Sheets	<p>Reference the underground 36" dia. OA duct between the Biofilter and the SNDR Tank:</p> <p>a. Note 2 on Sheet MP11.2.2 says all below grade piping to be concrete encased per D/MP0.8.5.</p> <p>b. Note 1 on Sheet MP11.2.3 and MP11.3.1 both say all below grade piping to be concrete encased per B/MP0.8.8.</p> <p>c. Do these notes apply to the 36" dia. OA duct? Does the duct need to be concrete encased?</p> <p>d. If the duct needs to be concrete encased, which detail applies?</p>	Buried section of 36" OA shall be HDPE piping in accordance with 330501.10, not FRP. The buried 36" OA from the SNDR reactor to ATAD Odor Control shall be concrete encased per Detail B on MP0.8.8 similar.
18k	Biofilter (11-ODC-410) Aluminum Cover	<p>Please provide specifications for the Biofilter (11-ODC-410) Aluminum Cover.</p> <p>a. Sheet MP11.3.1 refers to this as an "ALUMINUM ROOF COVER"</p> <p>b. Sheet S11.2.5 refers to this as "PRE-ENGINEER, PRE-MANUFACTURE, ALUMINUM ROOF COVER"</p> <p>c. What manufacturer/model is the basis of design?</p>	Provided in Addendum A, specification section 467324.
18l	Specification 467324	Specification Section 467324/2.5/C/3 (page 14) says "Contractor will supply and install a 12-inch trap drain as shown on the Drawings." This 12 inch drain is not shown on the ATAD Biofilter drawings. Please provide info. Is this the same drain line as the 6" dia. D shown on C5.1.30?	Provide 6-inch trap drain. See revised specification 467324 and Process 11 MP drawings.
18m	Specification 400536.13	Specification Section 400536.13/2.1/E, Thermoset FRP Ducts and Fittings/Installation (page 4). This section states that FRP ducts shall be supported every 10 ft. The duct supports shown on Sheet MP12.2.5 have spacing greater than 10 ft. Which is correct? Also, if the 10-ft spacing from the specification prevails, does that apply to vertical OA duct also?	Specification 400536.13 shall prevail for installation of OA duct. FRP ducts are to be supported every 10-ft even if vertical.
18n	Specification 400536.1	Specification Section 400536.13/1.2/B, Fiberglass-Reinforced Plastic Pipe for Odor Service/Performance Requirements states "Duct hangers and supports located outside ... shall have adequate capacity to anchor the duct during 190-MPH, 3-second wind gust." Will the various duct support details in the bid documents meet this performance requirement? Or, is it the contractor's responsibility to meet this performance requirement?	Specification 400536.13 to be revised by Addendum.

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18o	Specification 462133	<p>Specification 462133 – Rotary Drum Screen, Paragraph 1.6 WARRANTIES AND BONDS</p> <p>a. Paragraph 1.6.A indicates a 5-year warranty in accordance with Division 01. However, Division 01 (Spec 017810, Paragraph 1.3C) does not include the fine screens in the list of equipment required to have a 5-year warranty. Will Rotary Drum screens be added to Division 01 (Spec 017810, Paragraph 1.3C)?</p> <p>b. Paragraph title – should “AND BONDS” be deleted? No bonds are mentioned.</p>	<p>This appears to be a question from an older version of specifications. Please see the Construction Set which shows Specification 462133, Paragraph 1.6 as 1-year warranty. Division 1 (Spec 017810, Paragraph 1.2C) lists Rotary Drum Screens in the extended 3-year equipment warranty list.</p>
18p	Specification 462133	<p>Section 462133-2.5.D outlines that the screen motor will be suitable for VFD operation. Section 462133-2.9.B.1.d outlines an IEC motor starter with soft start for screen motor control. Please confirm if we should include a VFD, or motor starter / soft start for screen motor control.</p>	<p>VFDs are to be provided for screen motor control. Specification 462133 to be revised.</p>
18q	Sheets I2.0.1 and I2.0.2	<p>Specification plans I2.0.1 and I2.0.2 show network connections and OIT's for each control panel. For the fine screen control panels, please confirm the MicroLogix 1400 and 4" operator interface display is acceptable.</p>	<p>Specific requirements for control panels and displays must follow the Specifications. These requirements will be reviewed in the submittal phase.</p>
18r	Bid Date	<p>We are requesting to postpone the bid opening date by 2 weeks. The discrepancies and missing information (some of which results in a pre-bid RFI) are slowing down our bid-preparation efforts. Also, we will need additional time to make the changes and adjustments that result from the responses to our pre-bid RFI's.</p>	<p>A two-week extension was granted under Addendum No. 2.</p>
19a	Drawing G-3	<p>NOTES on Drawing G-3 does not match on Material Selection Table. Also, the “Selection Tables” is showing up to Note 12 but the “Notes” itself is up to Note 10 only. See below;</p> <ul style="list-style-type: none"> Under “All Trades”, Pipe Supports (Note 8) – Reference specification section 099100 Painting for Architectural Finishes. 	<p>Drawing has been revised in Addendum to correct incorrect note callouts.</p>
19b	Specification 221116	<p>Spec Section 221116 Para. 3.2 F – Install seismic restraints on piping. Comply with requirement for seismic devices in Section 15071 Mechanical Vibration and seismic controls. The provided Specifications Table of Contents under Plumbing does not include any seismic restraints specs. Other trades such as Section 23 HVAC system and Section 26 Electrical has specifications provided. Is it required for Section 22 Plumbing? Please clarify.</p>	<p>Spec Section 221116 Para. 3.2.F will be revised to comply with "Section 220548 Vibration and Seismic Controls for Plumbing and Equipment" This specification will be included in addendum.</p>

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19c	Drawing P16.2.2	Drawing P16.2.2 shows a 5000gal. Non-Potable Water Tank, FRP Modular. The specified FRP Modular Tank is Not included in the Plumbing Schedule but shown in the Plumbing drawing. Is this part of Plumbing scope?	FRP Modular Water Tank shown on P16.2.2 is included on Plumbing scope.
19d	Drawing P17.2.1	Drawing P17.2.1 shows a Water Softener System. The Water system specified is Not included in the Plumbing Schedule but shown in the Plumbing drawing. Is this part of Plumbing scope? If so, please provide capacity and specification.	CULLIGAN High Efficiency Twin Series model no. HET-060. Water Softener is included in plumbing scope and will be added on Plumbing Schedule in addendum.
19e	Drawing P.18.2.1	Drawing P.18.2.1 shows a RO System in Base Cabinet. The specified RO system is Not included in the Plumbing Schedule but shown in the Plumbing drawing. Is this part of Plumbing scope? If so, please provide capacity and specification.	FLEXEON AT Series model no. AT-500 Reverse Osmosis Systems. RO is included in plumbing scope and will be added on Plumbing Schedule in addendum.
20a	Drawing A0.1	The Finish Schedule on Sheet A0.1 shows the ceiling for Room 101 at Process 14 Dewatering Facility to be a gypsum board ceiling. The RFP on Sheet A14.1.3 shows the ceiling to be concrete slab with paint. Please advise which is correct	See Addendum for revision to A0.1
20b	Drawing A0.8	Per the partition details on Sheet A0.8, partition types G2, G3, and G4 show ceramic tile walls on either one or both sides. For Process 17 New Administration Building partitions at Rooms 100, 101, 102, 110, and 111 call out for one of these partitions; however, per the Finish Schedule on Sheet A0.1, Rooms 108 and 109 are the only rooms with ceramic tile wall finish. Please confirm that the Finish Schedule is to be followed and ceramic tiles walls are needed only at Rooms 108 and 109 in the New Administration Building.	See Addendum for revision to A17.1.1/ A17.6.1 /A17.6.2 and A0.1.
20c	Drawing A17.6.1	Per the elevations on Sheet A17.6.1, the tile wainscot in Rooms 108 and 109 at the New Administration Building does not span the whole wall length. Please advise if intent is to provide wainscot at sections of the wall per the elevations instead of the whole length of the wall. Also, the elevations are not consistent with the Finish Schedule. The elevation "A" view at Room 109 shows no tile wainscot, but the Finish Schedule calls out for a tile wall. Please advise which is correct and please revise the Plans accordingly.	See Addendum for revision to A17.1.1/ A17.6.1 /A17.6.2 and A0.1.

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20d	Specification 055823	For the aluminum handrail and guardrails, Section 055823 Paragraph 2.4 calls out different aluminum finishes: siliconized powder coating/Kynar; anodized; powder coat. Please advise which of these finishes is to be used for the aluminum handrails and guardrails.	Use siliconized powder coating/Kynar.
21a	Bid form page 2 Base Bid item 7-Access Roads, Guardrails and Pavement and Bid item 16-Project Site Pavements	Delineation of access roads pavements and site pavements 1. Please explain further the extent of work to be considered for each bid items no 7 and no 16. 2. Does bid item 16 – Project Site Pavements covers asphalt and concrete pavements?	A revised Bid Form Will be provided to remove or clarify this item.
21b	Section 022100 – Digester Sludge Removal & Disposal	Sludge Removal and Disposal 1. Please advise if section 022100 – Digester Sludge Removal and Disposal for existing Digester tanks will also be applicable to the removal and disposal of the sludge at the existing clarifier tank which will be converted into Process 9 – Aerated Sludge Storage Facility 2. For pricing reference please advise approximate sludge to be removed from the existing clarifier tank which will be converted into Process 9 – Aerated Sludge Storage Facility	Contractor may assume that there is no accumulated sludge in the clarifier. Accumulated rain water will be removed by GWA once before work begins. Contractor shall notify GWA operations/RPR two weeks before draining is needed.
22	Specification 434111	Specification section 434111-2 E.3 notes passive soil pressure of 250 PSF. Please provide soil bearing capacity.	Refer to Geotechnical Report for Bearing capacity.

Bidders are also notified to visit GWA website: www.guamwaterworks.org to ensure that addenda to the bid, answers to questions, and reminders are communicated to all bidders throughout the solicitation process.



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