



GUAM WATERWORKS AUTHORITY

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Invitation To Bid: IFB-02-ENG-2019
Upgrade of the Northern District Wastewater Treatment Plant
GWA Project No. S17-003-OEA

Addendum No.: Step 02 – Addendum No. 05

Date: May 2, 2019

All Qualified Bidders:

This addendum is issued to modify the previously issued bid documents and/or given for informational purposes, and is hereby made a part of the bid documents. Failure to acknowledge receipt of this addendum shall be grounds for the bidder's disqualification and rejection of the bidder's proposal.

1. Part A – GWA Request for Information Response No. 8 to Contractor Inquiries

GWA's Response No. 8 to contractor RFI inquiries is attached to this Addendum.

2. Part B – Modifications to Step-2 Bid Documents

a. Division 00250 – Bid Submission Requirements

Note the following:

The Bid Opening has been extended from May 24, 2019 to **3:00 p.m. Wednesday, May 29, 2019, Chamorro Standard Time (ChST)**.

On page 2, delete the **Multi-Step Bid Schedule** in its entirety and replace it with the **Multi-Step Bid Schedule** below:

Multi-Step Bid Schedule	Anticipated Dates, ChST
Step 2 Bid – Pricing Advertisement	March 18, 2019
Pre-Bid Meeting	April 4, 2019
RFI Deadline	May 1, 2019
Step 2 Pricing Bids Submitted	May 29, 2019
Notice to Proceed	July 8, 2019
Contractor Substantial Completion	October 31, 2021
Contractor Completion	December 31, 2021

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.



MIGUEL C. BORDALLO, P.E.
General Manager

Attachment:
Response No. 8 to RFI

MCB;gb



GUAM WATERWORKS AUTHORITY

Upgrade of the Northern District Wastewater Treatment Plant

GWA Project No. S17-003-OEA

IFB-02-ENG-2019

Response No. 8 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
23	Specification Section 116000 - Equipment	Contractor Supplied Equipment: Please advise specific bid item where cost of the contractors supplied equipment will be included.	Specification Section 115300 Laboratory Equipment will be issued in an addendum.
24a	Drawing MP12.2.4	Reference The two 6" dia. DSHB Lines shown on MP12.2.4: a. Are one of these lines supposed to terminate in ATAD Tank 2? (Sheets I12.0.1 and I12.0.2 show one line connecting to ATAD Tank 1 and another connecting to ATAD Tank 2.) b. If one of these lines terminate in ATAD Tank 2, shall this line penetrate Tank 2 thru the exterior wall to the East, or through the central wall separating Tanks 1 and 2?	a. Yes, as shown on the drawings. b. Through the center wall as shown on the drawings
24b	Specification 444213.13	Questions for spec section 444213.13 a. 1.1.A – Reference for the pumps says to see 444256.09 non-clog; 2.4.A - describes pumps required so is this to be ignored? b. 1.2.A – Vaughan is not supplying header piping or gauges. Original pumps quoted were flushless, bid states flushable mechanical seal and seal water. Which is correct? c. 1.2.B – Vaughan is not supplying in tank piping	Reference has been removed. Refer to updated specification for pump requirements. Contractor is responsible for coordinating scope delineation with supplier. Refer to bid documents for mechanical seal and seal plan requirements. Contractor is responsible for coordinating scope delineation with supplier. Refer to specification for requirements.

RFI No.	REFERENCE SECTION	QUESTION/INQUIRY AS SUBMITTED	GWA RESPONSE
		<p>d. 1.3.B.1.d – Vaughan is ignoring reference to section 444256.11, instead using 2.4.A for the pump requirements.</p> <p>e. 1.3.B.j – reference to section 018815 is not available in the bid spec</p> <p>f. 1.3.C.11 - reference to section 017500 is not available in the bid spec or 017516</p> <p>g. 1.4.A - reference to section 016100 is not available in the bid spec.</p> <p>h. 2.3.D – clarification – one nozzle comes with a floor mounted assembly; the other nozzle is mounted on the “T” in the discharge piping. This in tank piping is by others, not by Vaughan. A floor mounted nozzle assembly could be provided that would be off set from the “T” if desired but would be at an additional cost</p> <p>i. 2.4.F – bid calls out a flushable mechanical seal with a seal flush system. The original pump quoted included a flushless mechanical seal, not requiring a seal water flush.</p> <p>j. 2.6 – nozzles and pumps will be furnished in Vaughan’s premium paint scheme and we are taking exception to the paint specification 099000.</p> <p>k. Pumps are painted - Sandblasted and a prime coat of Tnemec Perma-Shield PL Series 431 Epoxy and a finish coat of Tnemec Perma-Shield PL Series 431 Epoxy (for a total minimum thickness of 25-30 MDFT). (Except Motor).</p> <p>i. Nozzles are painted - Exterior is SSPC-SP5 sandblasted, finished with 3M™ Scotchkote™ 134 Fusion Bonded Epoxy.</p> <p>m. 2.7.C – if seismic calculations are required for anchor bolts, then calculations and anchor bolts will be by contractor.</p> <p>n. 3.5 – Vaughan cannot ship touchup paint. This would need to be purchased directly from a Tnemec paint distributor.</p> <p>o. Non-Clog Dry-Pit Centrifugal pump Data Sheet - incorrect title of sheet.</p>	<p>Acceptable</p> <p>Specification is included in bid package.</p> <p>Specification 017500 is included in bid package. Spec 017516 is not referenced in pump specification or included in bid package.</p> <p>Correct reference is 016000, Product Requirements. Refer to updated spec.</p> <p>Contractor is responsible for coordinating scope delineation with supplier. Contractor is responsible for supplying and installing all components shown on drawings.</p> <p>Provide as specified.</p> <p>All components shall meet requirements of 099000, Painting and Coating, no exceptions are acceptable.</p> <p>All components shall meet requirements of 099000, Painting and Coating including motors, pumps, and all materials that are outlined in specification. Painting system variances are not acceptable.</p> <p>All components shall meet requirements of 099000, Painting and Coating.</p> <p>Contractor is responsible for coordinating scope delineation with supplier, but specification requirement will not be waved and is required.</p> <p>Contractor is responsible for coordinating scope delineation with supplier. Contractor responsible for meeting requirements of 099000.</p> <p>Name corrected. Refer to updated specification</p>

RFI No.	REFERENCE SECTION	QUESTION/INQUIRY AS SUBMITTED	GWA RESPONSE
		<p>p. Pump name: GBT Feed Pump 1, 2 & 3 – these are sludge mixing pumps</p> <p>q. Performance requirement: constant speed - Is this correct? There is a conflict with some of the drawings in the spec.</p> <p>r. Pump construction details:</p> <ul style="list-style-type: none"> • Pump base - marked cast iron. Vaughan's pump bases are formed and welded steel. • Seal – lubrication not checked. Spec says flushed with water. The original quote had a flushless mechanical seal. <p>s. Drive motor:</p> <ul style="list-style-type: none"> • Service factor, 1.0. - This would be true if it is VFD operated. • Inverter duty, no – is this correct? 	<p>Name corrected. Refer to updated specification</p> <p>Specification corrected. Refer to updated specification</p> <p>Specification corrected. Refer to updated specification</p> <p>Specification corrected. Refer to updated specification</p>
24c	Specification 262000	<p>Questions for spec section 262000</p> <p>a. 1.4.A.15 – reference to section 018815 is not available in the bid spec.</p> <p>b. 1.4.B.1 - reference to section 018815 is not available in the bid spec.</p> <p>c. 1.4.B.2 - reference to section 014533 is not available in the bid spec.</p> <p>d. 2.2.G.1 – maximum ambient temperature not greater than 50 deg. C. Do the motors need to be rated 50° C or 40° C? Ambient in 444213.13 data sheet is 85° F.</p>	<p>a. Spec 018815 is provided</p> <p>b. Spec 018815 is provided</p> <p>c. Refer to quality requirements specification 014000.</p> <p>d. Shall be as specified.</p>
24d	Specification 444256.10	<p>Questions for spec section 444256.10</p> <p>a. 1.3.D – Vaughan does not offer dimensioned drawings for all pump parts. An outline drawing will be furnished.</p> <p>b. 2.3.B – Controls are by others.</p> <p>c. 2.15 – Control panels are by others.</p> <p>d. 2.16 – Level controls are by others. Otherwise the typical retractable float rod is incorporated into the deck plate of the wet well pump and could be provided at an additional cost. The low current relay would be provided loose and would need to be shipped to the panel supplier for incorporation in the panel.</p>	<p>These are not bid questions or inquiries. Specification 444256.10 is to be adhered to by the Contractor.</p>

RFI No.	REFERENCE SECTION	QUESTION/INQUIRY AS SUBMITTED	GWA RESPONSE
24e	Drawing MP4.2.4	MP4.2.4 – location of 04-PCH-310 nozzle location, because of pump orientation may not be very effective for mixing the pit.	Alternate orientation of the pumps may be considered based on recommendation of the manufacturer for optimal mixing. As required by Paragraph 2.11.A of the 444256.10 Specification, the nozzle must be adjustable 180° horizontally and 45° vertically at a minimum.
24f	Drawing MP4.3.3	MP4.3.3 - scum pumps – Vaughan is supplying only the pump, motor and, if required, the retractable float switch assembly. All other lift station components are by others.	All pump station components shall be provided, installed, and tested by the Contractor as shown on the Drawings and described in the Specifications.
24g	Drawing MP7.3.2	MP7.3.2 - septage receiving pumps – Vaughan is supplying only the pump, motor and, if required, the retractable float switch assembly. All other lift station components are by others.	All pump station components shall be provided, installed, and tested by the Contractor as shown on the Drawings and described in the Specifications.
24h	Drawing E4.2.1	E4.2.1 – please verify the area classification of the scum pumps motor location. From drawing G1 it looks like the pump is in the 3-foot horizontal Class 1, Division 1 of the hatch.	The pump power connection including accessories shall be in conformance with Class 1, Div.1 classification.
24i	Drawing E7.2.1	E7.2.1 - please verify the area classification of the septage receiving pumps motor location. From drawing G2 it looks like the pump is in the 3-foot horizontal Class 1, Division 1 of the hatch.	The pump power connection including accessories shall be in conformance with Class 1, Div.1 classification.
24j	Drawing W13.2.4	W13.2.4 – notes 10 and 11 refer to a VFD operating the pumps. Please verify if the motors are across line start or VFD operated.	If this is E13.2.4, the motors are VFD operated. Ensure motor pumps are compatible with the purchased VFDs. Refer to sheet E0.0.8 for additional information.
24k	Drawing I13.0.1	I13.0.1 – the motor control shown on the drawing indicates a VFD's operating the sludge mixing pumps 1, 2 & 3. Please verify that this is correct.	VFD is correct

RFI No.	REFERENCE SECTION	QUESTION/INQUIRY AS SUBMITTED	GWA RESPONSE
25a	Response to RFI No. 5 dated April 17, 2019	<p>Outstanding addendum to address revised drawings and specification:</p> <p>We would like to follow up on the following responses to RFIs which requires issuance of additional information by way of drawings and specifications.</p> <p>Responses to RFI No. 5:</p> <ol style="list-style-type: none"> 1. RFI No. 10c – Detail of laboratory shelving is still outstanding 2. RFI No. 11e – Various amended specifications items a to m 3. RFI No. 11k – Grates response item c: MP6.2.1 aluminum grates drawing required 4. RFI No. 13k – SMH detail drawing required 5. RFI Nos. 13l & 13m – SMH detail drawing required 6. RFI No. 13p – Detail drawing required 7. RFI No. 13r – Revised drawing required 	Refer to Addendum No. 4
25b	Response to RFI No. 6 dated April 24, 2019	<p>Outstanding addendum to address revised drawings and specification:</p> <p>We would like to follow up on the following responses to RFIs which requires issuance of additional information by way of drawings and specifications.</p> <p>Responses to RFI No. 6:</p> <ol style="list-style-type: none"> 1. RFI No. 16e – Revised door schedule required 2. RFI No. 16g – Furniture drawing and specification 3. RFI No. 17c – Revised drawing detail MP0.8.5 required 4. RFI Nos. 17s & 17t – Revised drawings A0.10 and A17.6.2 required 5. RFI No. 17z – Revised drawing A04 required 	Refer to Addendum No. 4
26a	Response to RFI No. 7 dated April 25, 2019	<p>We would like to follow-up on the response to the RFI which requires issuance of additional information by way of drawings and specifications.</p> <p>Response to RFI No. 7:</p> <ul style="list-style-type: none"> • RFI No. 20a – Revised drawing A0.1 is still outstanding 	Refer to Addendum No. 4

RFI No.	REFERENCE SECTION	QUESTION/INQUIRY AS SUBMITTED	GWA RESPONSE
26b	Section 00410 Bid Form	<p>a. Please advise specific bid item where the new FRP Modular Water Tank will be included.</p> <p>b. Since there are some changes on the Bid Form please provide a revised and updated Bid Form</p>	<p>a. Modular tank shall be considered incidental to process 16</p> <p>b. Revised bid from will be issued</p>
26c	Section 00410 – Bid Item 14 and Section 022100	<p>Comment: We noted during the site walkthrough that there appears to be accumulated rain water or sewage inside the existing digester tanks aside from the stockpile of sludge and metal debris.</p> <p>Questions:</p> <ol style="list-style-type: none"> 1. Will the contractor be allowed to pump out the liquid inside the tanks into the nearest existing raw sewage receiving manhole? 2. Will the contractor be allowed to use the existing drying bed facility to dry up the sludge taken from the existing digester tanks prior to disposal at the government land fill facility? 3. Please confirm that the existing catwalks, railings and metal floating tank roof will be removed and disposed. 4. Section 022100 part 2 Products 2.1.A to 2.1.C: Please advise if it is a mandatory requirement for the project to acquire the listed equipment and materials on 2.1.B for the processing of sludge. If it is mandatory, please advise number of units or quantity to be acquired. 	<ol style="list-style-type: none"> 1. Accumulated rain water and tank supernatant may be discharged to the sanitary sewer system at the manhole upstream of the existing headworks. The water quality will be checked daily by the contractor and water exceeding 500 mg/l TSS cannot be discharged to the WWTP without pretreatment. The allowed flow rate will be agreed with GWA at the time of the work. 2. No 3. Yes, refer to MP Sheets 4. Equipment listed May be used and are not required. Use equipment and material necessary to properly complete digester cleaning, thicken the appropriate materials, and transport and disposal of removed materials
26d	Addendum No.1 – Drawing A17.2.1 and A18.2.2	Furniture and signage layout plans Please provide specification or details for the furniture as shown on drawing A17.2.1 and A18.2.2	Refer to drawing A17.2.1 and A18.2.2 for updated Furniture Schedules. Refer to the Furniture Schedule for O.F.O.I.. and O.F.C.I. furnishings. All other fixtures are contractor Installed
27	Start-Up Procedures	Please provide Spec Section 017516 – Start-Up Procedures.	The spec section number in the table of contents is incorrect. Refer to specification 017500 for start up procedures

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MIGUEL C. BORDALLO, P.E.
General Manager *MCB*

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