CITY OF PUNTA GORDA

PROCUREMENT DIVISION
326 WEST MARION AVENUE
PUNTA GORDA, FL 33950
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April 2, 2025

SOLICITATION #F2024108/CONS-CHEMSYSTEM/1620- ADDENDUM #1

This addendum is hereby incorporated into the bid documents of the project referenced above. The following items are clarifications, additions, deletions and/or revisions to and shall take precedence over the original documents.

QUESTIONS/ANSWERS

QUESTION: a. Please explain the scope of work as it relates to I-01. (Side stream loop response).

CITY RESPONSE: The main 24" ROP line from the RO skids originally included a static mixer with an injection quill. Due to repeated failures at this injection point, we are transitioning to a sulfuric acid side stream loop injection system. This system utilizes an orifice plate to divert a controlled flow (16–70 GPM) to the side stream loop panel, where sulfuric acid is injected. The acid-treated flow is then returned to the main 24" ROP line. Refer to Section N and Detail 1 on drawing M04 for a detailed look.

QUESTION b. Does it create heat?

CITY RESPONSE: Yes, but not a significant amount at the projected dose. The Alloy 20 piping was selected with this consideration to handle any heat generation safely.

QUESTION: Do city operations include feeding both pre & post sulfuric acid into the system?

CITY RESPONSE: Yes, the City feeds both pre and post sulfuric acid into the system. The current post sulfuric acid feed is down, and the static mixer/injection quill spool piece has been replaced with a temporary spool piece (as denoted by keynote 3 of drawing DM-03 and DM-04).

QUESTION: Will the temporary system have to be both pre and post?

CITY RESPONSE: The drawings don't propose the use of a temporary system. Instead, re-establishing the post sulfuric acid injection before demolishing and re-establishing the pre sulfuric acid injection. Refer to the general note on the demolition sheets, and specification 01140 for additional information regarding this transition.

QUESTION: On the ammonia system, who is responsible for expelling the remaining chemical from the tank?

CITY RESPONSE: The city is responsible and will contract with tank owner for expelling the remaining chemical form the tank.

QUESTION: Who will physically move the tank from its current location once it is empty?

CITY RESPONSE: The city is responsible and will coordinate with tank owner to move the tank.

QUESTION: The sulfuric acid usage is approximately 50 gpd and could increase to 100 gpd upon maximum plant buildout. Based on this small amount of flow and the insignificant associated head loss, request the discharge piping for the sulfuric acid pumps be downsized from 1" to ½" as shown on Drawing M01 and from 1" tubing to ½" tubing as shown on Drawing M03 and I01. Also, It is impossible to pull 1" tubing through 3" containment piping with six sweeps without having to break the tubing (and this would be the failure point).

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CITY RESPONSE: Resize the discharge piping and tubing to ¼". Note: The use of long-radius elbows for the containment piping, as specified in the general notes of the mechanical drawings, is essential for pulling the tubing through the containment piping in a continuous run. This change affects Drawing M01 through M04 of the Sulfuric Acid Feed System Improvements Design Package F2024108E5.

QUESTION: Please confirm that there is no requirement to pressure test the Teflon tubing for the sulfuric acid injection. Since the tubing is in containment pipe and accessible with leak detection, we would recommend not pressure testing the tubing as it will expand causing the test to fail as significantly shorten the life of the tubing by a factor of 5 – 10 based on our experience.

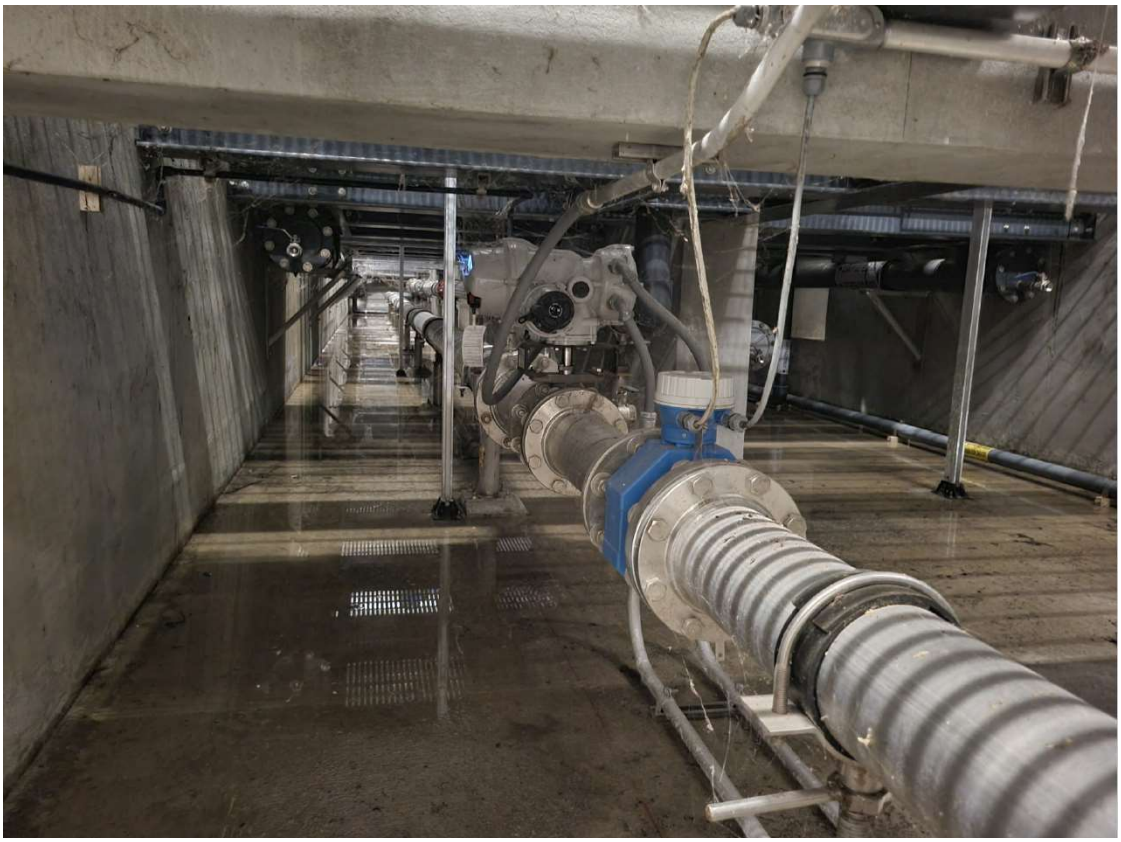
CITY RESPONSE: Pressure testing is required: Pressure test PTFE tubing for a minimum of 2 hours at the process injection pressure rating, plus 10 psi (to be coordinated with the City). This follows the high head pressure method in the specifications, but at a pressure reflective of our planned operating conditions.

QUESTION: There is an existing air compressor and flash mix piping that is not shown on Drawing M03. Please confirm that these items will be removed by the Owner prior to the Contractor's start of work.

CITY RESPONSE: City confirms work will be completed prior to the Contractor's start of work.

QUESTION: There is an existing piping trench shown on Drawing C01 for the alum transfer pump piping. Please confirm the depth of the trench and whether the floor of the trench is concrete.

CITY RESPONSE: The existing piping trench is 16" deep and doesn't have a concrete floor.



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QUESTION: There is 12" wall separating the two pipe trenches where the Post sulfuric acid injection line is to be run as shown on Drawing M03. Please confirm whether or not there is a window to run the new 3" containment piping or if the Contractor will have to core drill this wall.

CITY RESPONSE: The City confirmed that there is a window between the two grating partitions. No core drilling will be required in the subjected area.

QUESTION: Please confirm that no coating is required for the aluminum sulfate containment.

CITY RESPONSE: A separate addendum will be issued with updated coating requirement that will include coating of the existing alum bulk storage containment area, new alum bulk storage tank cradles, and piping.

QUESTION: Please confirm that Owner will be providing all required chemicals including the ammonium sulfate.

CITY RESPONSE: The City is responsible.

QUESTION: The Specification (13206) allows for the use of either HDLPE or XLPE LAS Storage and Day Tanks. The Tank Schedule attached to this Specification calls for XLPE tanks. Please confirm whether both HDLPE and XLPE are acceptable or only XLPE tanks are acceptable.

CITY RESPONSE: Use of either material is acceptable.

QUESTION: Drawing N-01 and N-02 call for an "FSL" located on the suction of the transfer pumps. Please clarify what this instrument is. Additionally, assuming it is a low flow cutout, can we simply use a low-amp detector on each transfer pump in the transfer pump control panel to perform the same function?

CITY RESPONSE: FSL indicates "Flow Switch Low". These instruments can be found in the instrumentation list within Specification 17304 – Instrumentation, Part 2.03. Provide FSL as specified.

QUESTION: Section 11242, 2.05B (LAS Feed Pump Specification) calls for an external electronic stroke control with a 4/20 ma signal. The specified pump, the Prominent Gamma XL, does not offer this feature. Frankly, we strongly recommend finding a pump with this feature since the stroke positioner typically wears out in a year instead of a lifetime and the cost to replace the stroke positioner is equal to the cost of the pump. Additionally, the Prominent Gamma XL pump has enough turndown on the speed feature such that the additional turndown you can get with the stroke knob is not required. Request you remove this requirement.

CITY RESPONSE: The external electronic stroke control is not applicable to this project and will be removed from the requirements. An addendum will be issued with an updated pump specification.

QUESTION: What is the meaning of the double asterisk on Drawings N-01 and N-02?

CITY RESPONSE: The double asterisk meaning is denoted on drawing GN-01 in the general notes, and states that the components and panels are part of a package system.

QUESTION: There is a High Performance Coatings Section 09960 in the Specification but there is no schedule in the specification as to what is to be coated if anything. Please confirm that there are no coatings on the project other than to paint the piping. Additionally, we would request that the inspection, training and meeting requirements be waived if we are simply painting piping.

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CITY RESPONSE: An addendum will be issued with updated coating requirement that will include coating of the existing alum bulk storage containment area, new alum bulk storage tank cradles, and piping.

QUESTION: Drawing M04 for the ammonium sulfate system has a Note 14 that specifies that the transfer pumps should be put in an FRP Building to be provided in accordance with Specification 13121. There is no Specification 13121 and the drawings don't show a building. There is no need for an FRP Building as it provide no real added value since the pumps can be out in the weather. Please confirm that there is no requirement for an FRP Building. If you do want some weather protection, a Blue Planet PVC skid could be constructed for the pumps and piping for about $8,000 which is about ¼ of the cost of the FRP Building.

CITY RESPONSE: Specification 13121_FRP Buildings, was completed but was inadvertently omitted from the compiled spec set. An addendum will be issued with the specification section. Provide pre-engineered (approximately 8' x 8' x 8') FRP shed as specified.

QUESTION: Drawing C02 calls for installation of 2" Schedule 80 PVC containment pipe with 1" carrier tubing inside for the Peace River Influent Above Grade Piping. It is impossible to pull 1" tubing through a 2" containment pipe with several sweeps. Given the projected flow rate of less than 25 gph, we would recommend downsizing the piping to ¾" tubing inside a 3" Schedule 80 PVC containment pipe.

CITY RESPONSE: Resize the tubing to ½" and carrier piping to 3". **Note:** The use of long-radius elbows for the containment piping, as specified in the piping schedule, is essential for pulling the tubing through the containment piping in a continuous run. This change affects Drawing C01 and C02 of the Alum & Ammonia System Improvements Design Package.

QUESTION: In order to size the temporary alum tank(s), please provide the approximate daily usage of aluminum sulfate.

CITY RESPONSE: These values are present on Drawing G06 under the chemical dosing section of the table.

QUESTION: In order to keep from starving the alum pumps, we request that the Schedule 80 PVC feed header be changed from ½" to 2" from the tanks to the pump skid for the alum system on Drawing M03.

CITY RESPONSE: Resize the alum chemical metering pump suction piping from the day tank to the pump skid to 2". This change affects Drawing M03 of the Alum & Ammonia System Improvements Design Package.

QUESTION: There are certain scenarios in the life of a plastic chemical storage tank where a tank entry may be required. As such, request you change the manway diameter size from 16" man way to a 22" safe surge or pop-up man way to facilitate this maintenance.

CITY RESPONSE: Resize the manway diameters from 16" to 22". This change affects Drawing M03 and M04 of the Alum & Ammonia System Improvements Design Package.

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All other terms, conditions and specifications remain the same.

This addendum is deemed to contain MATERIAL changes to the solicitation package.

Failure to acknowledge addenda shall result in the rejection of your submittal package in its entirety if the addendum changes are deemed "MATERIAL".

ACKNOWLEDGMENT - Addendum has been received and acknowledged by my signature

_____ _____
FIRM NAME AUTHORIZED REPRESENTATIVE'S SIGNATURE

DO NOT FAX OR EMAIL THIS SIGNED ADDENDUM IT MUST BE EITHER:

1) Sign and submit in hardcopy to the Procurement Division prior to the established due date and time in a sealed envelope; or

2) Sign, scan and attach to your on-line response prior to the established due date and time.

Sincerely,
CITY OF PUNTA GORDA

-s-

Julie Rogan-Sutter, NIGP-CPP, CPPB
Sr. Purchasing Agent