

**MONTE VISTA WATER DISTRICT
NOTICE TO PLANHOLDERS**

ADDENDUM NO. 1

Owner: Monte Vista Water District
10575 Central Avenue
Montclair, California 91763

Project: Plant 30 Wellhead Treatment

To: All Planholders

From: Hazen and Sawyer

Bid Date: April 15, 2020 at 1:30 PM

Notice is hereby given to prospective bidders that the Plans and Specifications for Plant 30 Wellhead Treatment Project dated January 31, 2020, have been modified as hereinafter set forth. This Addendum No. 1 shall form a part of the Contract Documents and the modifications indicated herein shall take precedence over the original Contract Documents, as applicable. All other provisions shall remain the same.

Bidder shall acknowledge receipt of this Addendum No. 1 in the space below. This page AD 1-1 shall be attached to the Bid.

By: Ali Rahimian-Pour
Hazen and Sawyer

Date: 4/11/2020



ACKNOWLEDGEMENT TO BE ATTACHED TO SEALED BID.

I have received Addendum No. 1 (pages AD 1-1 through AD 1-13 and Pre-Bid Meeting Sign-In sheet).

Contractor: _____

Signature: _____

Printed Name: _____

Title: _____

Date: _____

GENERAL: The following changes, additions, or deletions shall be made to the following documents as noted and shall take precedence over the original Contract Documents. All other provisions remain the same.

Addendum 1, ITEM 1. NOTICE INVITING BIDS, FIRST PARAGRAPH, Page N-1

DELETE the first paragraph in its entirety and REPLACE it with the following:

“PLEASE TAKE NOTICE that the date and time up to which the District will receive bids for the PLANT 30 WELLHEAD TREATMENT PROJECT (the “Work”) up to **1:30 pm on April 15, 2020.** **Given the COVID-19 situation and the State Governor’s orders, submittals of bids and bid opening will now be conducted as described below.** The Work is to be done in accordance with the Plans, Specifications and Contract Documents which have been distributed to prospective bidders and which documents are by this reference incorporated herein.

- Submitting Bids: Physical bids will not be accepted. Rather, bidders shall scan their prepared bid into pdf format and transmit said bid by electronic mail to vjew@mvsd.org. Prospective bidders should title their email as “Bid for the Plant 30 Wellhead Treatment Project.” To confirm the receipt of your bid, Mr. Van Jew will send a response email saying “Received.” (The prospective bidder shall be solely responsible for successfully transmitting its bid). Beyond said response emails to bidders, Mr. Jew will keep confidential and have no communications with anyone regarding the submittal of your bid prior to the stated bid opening time. At 1:31 pm on April 15, 2020, Mr. Jew will stop receiving bids and proceed to bid opening.
- Bid Opening: Bid opening will be held by live video conference and instructions to join are as described below. The video conference will endeavor to start at 1:15 pm on April 15, 2020 and all persons are welcomed to join said video conference. At or shortly after 1:31 pm on April 15, 2020 and during the video conference, Mr. Jew will open the pdf files, read off bidder’s name and their bid total. The bids will be made available for viewing during said video conference. Additionally, at the conclusion of the bid opening, the District will endeavor to post all bids to its website (www.mvsd.org) within 5 work days.

- Instructions to Join Bid Opening Video Conference:

Topic: Plant 30 Bid Opening - Live

Time: Apr 15, 2020 1:15 PM Pacific Time (US and Canada)

Join from PC, Mac, Linux, iOS or Android:

<https://meetings.ringcentral.com/j/1490863423>

Or iPhone one-tap:

US: +1(623)4049000,,1490863423# (US West)
+1(720)9027700,,1490863423# (US Central)
+1(773)2319226,,1490863423# (US North)
+1(469)4450100,,1490863423# (US South)
+1(470)8692200,,1490863423# (US East)

Or Telephone:

Dial(for higher quality, dial a number based on your current location):

US: +1(623)4049000 (US West)
+1(720)9027700 (US Central)
+1(773)2319226 (US North)
+1(469)4450100 (US South)
+1(470)8692200 (US East)

Meeting ID: 149 086 3423

International numbers available: <https://meetings.ringcentral.com/teleconference>

Addendum 1, ITEM 2. GENERAL PROVISIONS, SECTION 3.2, Page GP-7

DELETE in its entirety and REPLACE with the following paragraph:

“3.2 Progress Schedule – On the day of the pre-construction conference and at such other times as may be requested by the Owner's Representative, the Contractor shall submit to the Owner's Representative a progress schedule which shall show the order in which the Contractor proposes to carry on the Work, the dates at which the Contractor will start the several parts of the Work, the estimated dates of completion of the several parts, and the critical path to Project completion. The progress schedule and supplementary progress schedules submitted shall be consistent, in all respects, with the time requirements of the Contract.”

Addendum 1, ITEM 3. GENERAL PROVISIONS, ARTICLE 9.1.2(A)

DELETE in its entirety and REPLACE with the following:

“9.1.2(a) Liability insurance:
General liability: \$2,000,000 per occurrence,
\$4,000,000 general aggregate \$4,000,000
completed operations aggregate
Automobile liability: \$1,000,000 per accident
combined single limit
Employment’s liability \$1,000,000

Total liability shall be no less than three million dollars (\$3,000,000) per occurrence/claim/or accident, through any combination of primary and excess or umbrella insurance policies and shall apply above the other liability policies, and “follow from” providing coverage at least as broad as coverage provided in the underlying policies.”

Addendum 1, ITEM 4. SPECIFICATION DIVISION 1, SECTION 01300, SUBMITTALS, Paragraph 1.01 A.1, Page 01300-1

DELETE in its entirety and REPLACE with the following paragraph:

“1. At the pre-construction conference, the Contractor shall submit five (5) copies of his proposed progress schedule to the Owner’s Representative for review and approval.”

Addendum 1, ITEM 5. SPECIFICATION DIVISION 1, SECTION 01300, SUBMITTALS, Paragraph 1.01 C.10.a, Page 01300-5

DELETE in its entirety and REPLACE with the following paragraph:

“a. Submittals shall be transmitted in sufficient time to allow the Engineer up to thirty (30) calendar days for review and processing.”

Addendum 1, ITEM 6. SPECIFICATION DIVISION 11, SECTION 11415, GRANULAR ACTIVATED CARBON CONTACTOR, Paragraph 2.3.A.1.a, Page 11415-6

DELETE in its entirety and REPLACE with the following paragraph:

“a One 20” circular hinged manway (minimum) per GAC contactor drawings,”

Addendum 1, ITEM 7. SPECIFICATION DIVISION 11, SECTION 11415, GRANULAR ACTIVATED CARBON CONTACTOR, Paragraph 2.3 E, Page 11415-6

DELETE in its entirety and REPLACE with the following paragraph:

“E Contactor face piping shall match contactor material of construction (Schedule 40 steel). Pipe interior

shall be lined per Section 15012. Provide dielectric couplings where dissimilar metals connect.”

Addendum 1, ITEM 8.

SPECIFICATION DIVISION 11, SECTION 11415, GRANULAR ACTIVATED CARBON CONTACTOR, Paragraph 2.7.A.6, Page 11415-8

DELETE in its entirety and REPLACE with the following paragraph:

“6 Manual control of valves that control GAC in service or under backwash (3 valves).”

Addendum 1, ITEM 9.

SPECIFICATION DIVISION 15, SECTION 15066, SECONDARY CONTAINMENT PIPING, Paragraph 2.01 C, Page 15066--3

DELETE in its entirety and REPLACE with the following paragraph:

“C Secondary containment piping systems shall be provided as shown on the Drawings for sodium hypochlorite and caustic (sodium hydroxide).”

Addendum 1, ITEM 10.

SPECIFICATION DIVISION 15, SECTION 15390, SCHEDULES, ELECTRICALLY OPERATED VALVE SCHEDULE, Page 15390—5 and Page 15390-6

DELETE in its entirety and REPLACE with the following table:

ELECTRICALLY OPERATED VALVE SCHEDULE

TAG NO.	VALVE TYPE	OPERATOR TYPE	SIZE (in.)	FLOW	CLASS	SERVICE	LOCATION
FCV-101	GLOBE	MODULATING	8	825 GPM	150	GAC BWS	GAC PAD
FCV-200	GLOBE	MODULATING	12	760-1560 GPM	150	IX BYPASS	ION EXCHANGE BYPASS
FCV-201	GLOBE	MODULATING	4	170 GPM	150	IX BWS	ION EXCHANGE BACKWASH
MOV-210	BUTTERFLY	OPEN/CLOSE	8	670-1110 GPM	150	IX ISOLATION	ION EXCHANGE TANK 210
MOV-211 ¹	BUTTERFLY	OPEN/CLOSE	8	670-1110 GPM	150	IX ISOLATION	ION EXCHANGE TANK 210
MOV-212	BUTTERFLY	OPEN/CLOSE	8	670-1110 GPM	150	IX ISOLATION	ION EXCHANGE TANK 210
MOV-213 ¹	BUTTERFLY	OPEN/CLOSE	6	170 GPM	150	IX ISOLATION	ION EXCHANGE TANK 210
MOV-214	BUTTERFLY	OPEN/CLOSE	8	170 GPM	150	IX ISOLATION	ION EXCHANGE TANK 210
MOV-215 ¹	BUTTERFLY	OPEN/CLOSE	3	95 GPM	150	IX ISOLATION	ION EXCHANGE TANK 210
MOV-216	BUTTERFLY	OPEN/CLOSE	6	95-888 GPM	150	IX ISOLATION	ION EXCHANGE TANK 210
MOV-217		PRESSURE RELIEF	1 1/4		150	IX PRESSURE RELIEF	ION EXCHANGE TANK 210
MOV-218	BUTTERFLY	OPEN/CLOSE	8	170-888 GPM	150	IX ISOLATION	ION EXCHANGE TANK 210
MOV-219	BUTTERFLY	OPEN/CLOSE	3	95 GPM	150	IX ISOLATION	ION EXCHANGE TANK 210

TAG NO.	VALVE TYPE	OPERATOR TYPE	SIZE (in.)	FLOW	CLASS	SERVICE	LOCATION
MOV-220	BUTTERFLY	OPEN/CLOSE	8	670-1110 GPM	150	IX ISOLATION	ION EXCHANGE TANK 220
MOV-221 ¹	BUTTERFLY	OPEN/CLOSE	8	670-1110 GPM	150	IX ISOLATION	ION EXCHANGE TANK 220
MOV-222	BUTTERFLY	OPEN/CLOSE	8	670-1110 GPM	150	IX ISOLATION	ION EXCHANGE TANK 220
MOV-223 ¹	BUTTERFLY	OPEN/CLOSE	6	170 GPM	150	IX ISOLATION	ION EXCHANGE TANK 220
MOV-224	BUTTERFLY	OPEN/CLOSE	8	170 GPM	150	IX ISOLATION	ION EXCHANGE TANK 220
MOV-225 ¹	BUTTERFLY	OPEN/CLOSE	3	95 GPM	150	IX ISOLATION	ION EXCHANGE TANK 220
MOV-226	BUTTERFLY	OPEN/CLOSE	6	95-888 GPM	150	IX ISOLATION	ION EXCHANGE TANK 220
MOV-227		PRESSURE RELIEF	1 1/4		150	IX PRESSURE RELIEF	ION EXCHANGE TANK 220
MOV-228	BUTTERFLY	OPEN/CLOSE	8	170-888 GPM	150	IX ISOLATION	ION EXCHANGE TANK 220
MOV-229	BUTTERFLY	OPEN/CLOSE	3	95 GPM	150	IX ISOLATION	ION EXCHANGE TANK 220
MOV-230	BUTTERFLY	OPEN/CLOSE	8	670-1110 GPM	150	IX ISOLATION	ION EXCHANGE TANK 230
MOV-231 ¹	BUTTERFLY	OPEN/CLOSE	8	670-1110 GPM	150	IX ISOLATION	ION EXCHANGE TANK 230
MOV-232	BUTTERFLY	OPEN/CLOSE	8	670-1110 GPM	150	IX ISOLATION	ION EXCHANGE TANK 230
MOV-233 ¹	BUTTERFLY	OPEN/CLOSE	6	170 GPM	150	IX ISOLATION	ION EXCHANGE TANK 230
MOV-234	BUTTERFLY	OPEN/CLOSE	8	170 GPM	150	IX ISOLATION	ION EXCHANGE TANK 230
MOV-235 ¹	BUTTERFLY	OPEN/CLOSE	3	95 GPM	150	IX ISOLATION	ION EXCHANGE TANK 230
MOV-236	BUTTERFLY	OPEN/CLOSE	6	95-888 GPM	150	IX ISOLATION	ION EXCHANGE TANK 230
MOV-237		PRESSURE RELIEF	1 1/4		150	IX PRESSURE RELIEF	ION EXCHANGE TANK 230
MOV-238	BUTTERFLY	OPEN/CLOSE	8	170-888 GPM	150	IX ISOLATION	ION EXCHANGE TANK 230
MOV-239	BUTTERFLY	OPEN/CLOSE	3	95 GPM	150	IX ISOLATION	ION EXCHANGE TANK 230
MOV-240	BUTTERFLY	OPEN/CLOSE	8	670-1110 GPM	150	IX ISOLATION	ION EXCHANGE TANK 240
MOV-241 ¹	BUTTERFLY	OPEN/CLOSE	8	670-1110 GPM	150	IX ISOLATION	ION EXCHANGE TANK 240
MOV-242	BUTTERFLY	OPEN/CLOSE	8	670-1110 GPM	150	IX ISOLATION	ION EXCHANGE TANK 240
MOV-243 ¹	BUTTERFLY	OPEN/CLOSE	6	170 GPM	150	IX ISOLATION	ION EXCHANGE TANK 240
MOV-244	BUTTERFLY	OPEN/CLOSE	8	170 GPM	150	IX ISOLATION	ION EXCHANGE TANK 240
MOV-245 ¹	BUTTERFLY	OPEN/CLOSE	3	95 GPM	150	IX ISOLATION	ION EXCHANGE TANK 240
MOV-246	BUTTERFLY	OPEN/CLOSE	6	95-888 GPM	150	IX ISOLATION	ION EXCHANGE TANK 240
MOV-247		PRESSURE RELIEF	1 1/4		150	IX PRESSURE RELIEF	ION EXCHANGE TANK 240
MOV-248	BUTTERFLY	OPEN/CLOSE	8	170-888 GPM	150	IX ISOLATION	ION EXCHANGE TANK 240
MOV-249	BUTTERFLY	OPEN/CLOSE	3	95 GPM	150	IX ISOLATION	ION EXCHANGE TANK 240
FCV-300	V Notch BV	OPEN/CLOSE	3	95 GPM	150	IX BRF/SR ISOLATION	BRINE MAKER PAD
MOV-301	BUTTERFLY	OPEN/CLOSE	4	95 GPM	150	SW FEED	BRINE MAKER PAD
MOV-302	BUTTERFLY	OPEN/CLOSE	3	95 GPM	150	WSS BRF ISOLATION	BRINE MAKER PAD
MOV-310	BALL	OPEN/CLOSE	2	32 GPM	150	BRINER MAKER FILL ISOLATION	BRINE MAKER PAD
MOV-320	BALL	OPEN/CLOSE	2	32 GPM	150	BRINER MAKER FILL ISOLATION	BRINE MAKER PAD
MOV-330	BALL	OPEN/CLOSE	2	32 GPM	150	BRINER MAKER FILL ISOLATION	BRINE MAKER PAD
FCV-371	GLOBE	MODULATING	4	95 GPM	150	WSS INF	WATER SOFTENER

TAG NO.	VALVE TYPE	OPERATOR TYPE	SIZE (in.)	FLOW	CLASS	SERVICE	LOCATION
FCV-372	GLOBE	MODULATING	4	95 GPM	150	WSS INF	WATER SOFTENER
FCV-373	V Notch BV	MODULATING	1 1/2	16 GPM	150	WSS BRF/SR	WATER SOFTENER

Addendum 1, ITEM 11.

QUESTION: Section 15012, Steel Pipe and Fittings – Are there Non-Destructive Examination requirements for Shop Welds? If there are, what percentages of total welds will be required for RT or PT or is visual inspection acceptable? For field welds, paragraph 3.01.C reads "...all field welds shall be visually inspected and tested by an approved quality assurance testing firm...". Is a QA firm required to inspect shop welds as well?

ANSWER: The QA firm will be required to perform inspection of the shop welds, if the fabricator is not certified in accordance with AWS and AISC for welding. Non-Destructive Examination requirements shall be followed in accordance with AWS D1.1 guideline.

Addendum 1, ITEM 12.

QUESTION: Which valve applies to Specification Section 15107 Electronic Flow Control Valves (hydraulically operated valve)?

ANSWER: Refer to specification Section 15390 - Schedules for the MOV valves related to Section 15107.

Addendum 1, ITEM 13.

QUESTION: The specifications (Section 13203) give a knuckle thickness. A knuckle is not shown on the drawings. Is there a knuckle on this tank?

ANSWER: Tank manufacturer is responsible for the design of the tank, including determination of whether a knuckle is appropriate.

Addendum 1, ITEM 14.

QUESTION: There is no height given for the tank, but the specifications (Section 13203) do mention the sloshing wave should not interfere with the rafters. There are centerline elevations given for the piping entering through the roof (see section B on sheet M-10). These pipes are supposed to be at 26'. A shell height of 25' with 6" rafters is needed to meet the specification. The required shell height does not leave enough room to maintain the piping elevations shown. Please provide required tank height.

ANSWER: Drawing M-10 Section B is to scale to measure the tank dimensions. The tank is 20'-0" (diameter) x 24'-0" (shell height).

Addendum 1, ITEM 15.

QUESTION: Can a self-supporting cone roof be used for the waste storage tank (Section 13203)?

ANSWER: No. The roof should be supported as described in the specifications and allow for the roof pipe penetrations and access hatches as shown on the plans.

Addendum 1, ITEM 16.

QUESTION: The seismic importance factor is listed as 1.25 on the drawings and 1.5 in the specifications (Section 13203). Which factor should we use?

ANSWER: The importance Factor Ie on the drawings is based on Risk Category selection of III for this water treatment facility. The Importance Factor for steel tanks is based on Seismic Use Group I, II or III in accordance with AWWA D100 for welded steel tanks or AWWA D103 for bolted steel tanks. For this application it is assumed that the Seismic Use Group = II. The associated Importance Factor Ie = 1.25.

Addendum 1, ITEM 17.

QUESTIONS: General Provisions Article 3.2 and Section 01300 Paragraph 1.01 A.1 - Clarify when Initial Progress Schedule needs to be submitted: 15 days after award or 30 days after NTP?

ANSWER: Refer to Addendum 1, ITEM 2 and ITEM 4 above.

Addendum 1, ITEM 18.

QUESTION: Drawing C-04/M-07 shows 2" Sodium Hypochlorite Double Containment Pipe from the Chemical Building to the 8" IX WR Backwash Waste Pipe and 20" PE Plant Effluent line in Dwg M-03. Spec 15066 par 2.01.C states that Secondary containment piping systems shall be provided as shown on the drawings for Calcium Chloride. Does Spec 15066 apply to the Sodium Hypochlorite Double Containment Pipe. If not, can the General Contractor choose a double containment system suitable for similar installations that it has used in past projects?

ANSWER: Refer to Addendum 1, ITEM 9 above.

Addendum 1, ITEM 19.

QUESTION: Drawing C-04 / M-03 show a 2" Caustic Containment Pipe from Wellhouse 30 to a future injection point in the 20" Primary Effluent Line. Can the General Contractor choose a double containment system suitable for similar installations that it has used in past projects? In addition, where does this line terminate?

ANSWER: Refer to Addendum 1, ITEM 9 above. The line terminates at the location shown on Drawing M-03, called out "FUTURE CAUSTIC, 2" BV".

Addendum 1, ITEM 20.

QUESTION: Spec 15390 Electrically Operated Valve Schedule Valve # FCV-101 is called out as a Plug Valve and is in conflict with Dwg I-03 which shows a Globe Valve. Please provide the type and specification for the valve body.

ANSWER: Refer to Addendum 1, ITEM 10 above. In addition, refer to Section 15114 – Miscellaneous Valves for globe valves specifications.

Addendum 1, ITEM 21.

QUESTION: Spec 15390 Electrically Operated Valve Schedule Valve # FCV-200 is called out as a Plug Valve and is in conflict with Dwg I-05 and M-04 which shows a Globe Valve. Please provide the type and specification for the valve body.

ANSWER: Refer to Addendum 1, ITEM 10 above. In addition, refer to Section 15114 – Miscellaneous Valves for globe valves specifications.

Addendum 1, ITEM 22.

QUESTION: Spec 15390 Electrically Operated Valve Schedule Valve # FCV-201 is called out as a Plug Valve and is in conflict with Dwg I-05 which shows a Globe Valve. Please provide the type and specification for the valve body.

ANSWER: Refer to Addendum 1, ITEM 10 above. In addition, refer to Section 15114 – Miscellaneous Valves for globe valves specifications.

Addendum 1, ITEM 23.

QUESTION: The allowable bearing pressure is 2500 psf on the drawings but 3500 psf is listed in the specifications (Section 13203). Which allowable soil bearing capacity should be used?

ANSWER: The net allowable soil bearing pressure as shown on the structural drawings and in conformance with the recommendations of the geotechnical report is 2,500 psf.

Addendum 1, ITEM 24.

QUESTION: Please clarify which pieces of equipment are required to have performance tests witnessed by Owner/Engineer in manufacturer's shop (Spec 11000:Part 3.D / 11100:Part 3.02.B).

ANSWER: Refer to the individual equipment specifications for performance testes witness if required.

Addendum 1, ITEM 25.

QUESTION: Drawing M-2 Section A calls for utilizing the pipe support rack detail 1509408 on drawing MD-01 for the main LPGAC pipe header. Note 2 on MD-01 requires the use of Unistrut type channels to construct this support. Is Unistrut acceptable to support (2) 20" and (2) 8" steel pipes?

ANSWER: To clarify, Unistrut is not acceptable to support the header piping between GAC vessels. The reference to standard detail 1509408 in the Sections on drawing M-2, and in the notes on drawing M-2, is not applicable to the support of the GAC header piping and shall not be used for that specific application. The standard pipe support details on drawing MD-01 are general and shall be used as shown in accordance with the notes on the

drawing and design guidelines in reference to specification 15020-Pipe Supports. The pipe support rack for the header piping shown on drawing M-2 is schematic only. Per specification 15020-Pipe Supports, the Contractor is responsible for the design of all piping support systems unless shown otherwise on the drawing and specifically detailed. Standard Details for pipe supports have been included on the Drawings to define minimum requirements as to the types of Contractor designed pipe supports that will be acceptable.

Addendum 1, ITEM 26.

QUESTION: Spec 01330 Section 1.01.C.10.a states that the Engineer shall be allowed at least thirty (30) working days for submittal review. If the Contractor is required to complete the project within a fixed duration, the submittal review time should be a maximum duration in-lieu of a minimum duration.

ANSWER: Refer to Addendum 1, ITEM 5 above.

Addendum 1, ITEM 27.

QUESTION: There is no dimensioned tank diameter. I determined it must be 20' from the dimension from the outside of the concrete slab to the face of the tank. Is the tank 20'-0" in diameter?

ANSWER: Drawing M-10 Section B is to scale to measure the tank dimensions. The tank is 20'-0" (diameter) x 24'-0" (shell height).

Addendum 1, ITEM 28.

QUESTION: Will sample certificates of insurance evidencing insurance coverage be acceptable in lieu of the insurance forms in sections A-8 through A-19 that require our broker to complete and sign?

ANSWER: No.

Addendum 1, ITEM 29.

QUESTION: Page A-9 section 1) "The Owner, Owner's representative, the Engineer and their directors, officers, officials, agents, employees, attorneys, consultants and volunteers are included as insureds on the liability policy(ies) referenced in this certificate." Will the owner accept the above to be named as "additional insureds" instead of including them as "insureds"? The additional insured is covered for incidents that are related to work and responsibilities performed by the policyholder's (insured). Please advise.

ANSWER: Yes.

Addendum 1, ITEM 30.

QUESTION: Does the Prop 1 grant have a requirement for "Buy America"?

ANSWER: No. Prop 1 doesn't have a requirement for "Buy America".

Addendum 1, ITEM 31.

QUESTION: Please provide us with invert elevations for the following pipes:

- Existing 12" MVWD pipe at the 12" Effluent pipe tie in.
- Existing 18" MVWD pipe at the 18" Effluent pipe tie in.
- Existing 12" MVWD pipe at the 6" PW tie in.

ANSWER: Exact elevation unknown. Bidding contractors shall make an appropriate assumption. Construction contractor shall pothole to confirm.

Addendum 1, ITEM 32.

QUESTION: Please provide us a tie in detail for the connections of the 4" Softener Waste and 1" PH Cable Containment Pipes tie into the 4" Brine line at the north end of the Ion Exchange Concrete pad.

ANSWER: For the purpose of the bid, assume a tee connection.

Addendum 1, ITEM 33.

QUESTION: Detail 7 on sheet CD-03 calls for a Chemical Injection Quill at each Pigging Station for the 4" Brine Line. The Chemical Injection Quill detail on sheet MD-02 shows a Flexible Chemical Line attached, but the pipe profile for the 4" brine line does NOT show a "Flexible Chemical Line" gong to each pigging station. Can you please clarify if a Flexible Chemical line is required for each pigging station?

ANSWER: Yes. A flexible chemical line is required for each pigging station.

Addendum 1, ITEM 34.

QUESTION: Which potable water service can we use for Testing and Disinfection of the vessels and pipes?

ANSWER: The existing fire hydrants at Plant 30 site can be used as a source of potable water for testing and disinfection of the vessels and pipes.

Addendum 1, ITEM 35.

QUESTION: Please clarify if the Chemical Building is to be a Precast Building per spec Section 03452 or a Metal Building per spec section 13121.

ANSWER: The chemical building shall be a precast concrete building per specifications Section 03452.

Addendum 1, ITEM 36.

QUESTION: If the Chemical Building is to be precast per the drawings, does spec Section 13121 apply to the Shade Canopy shown on drawing S-10?

ANSWER: The chemical building shall be a precast concrete building per specification Section 03452. Specification Section

13121 does not apply to the shade canopy at the Brine & Softener System. The shade canopy is detailed on structural drawing S-10.

Addendum 1, ITEM 37.

QUESTION: 11415 2.3 E says, "pipe interior shall be lined per 15006". There is no 15006 in the specs. Is it acceptable to submit on our NSF epoxy coating for piping?

ANSWER: Refer to Addendum 1, ITEM 7 above for process piping and vendor shall provide NSF epoxy lined piping manifold.

Addendum 1, ITEM 38.

QUESTION: Spec references 24" manways as shown on the "contactor drawings" (11415 2.3 A 1 a), but I don't see dimensioned contactor drawings that show this, and the spec itself calls out 20" side manways.(11415 2.2 A). Which should we use?

ANSWER: Refer to Addendum 1, ITEM 6 above.

Addendum 1, ITEM 39.

QUESTION: Spec and drawings show only manual valves and instrumentation in our scope but ask for inputs for influent flow to each contactor and inputs for backwash flow to each system (11415 2.7 A 7-8). Flow meters do not appear to be in our scope (they're outside the dotted lines on the drawings, and not referenced in our spec apart from this language that would seem to also indicate a local control panel). Further along the spec indicates we are to coordinate communications with the plant control system via ethernet communication link in accordance with drawing I-2 (11415 2.7 B). Drawing I-2 does not show the GAC system as connected. Only the IX and other scope items. I'm assuming these items are out of our scope (equipment vendor), is this correct?

ANSWER: Yes, this is out of scope of equipment vendor, but the contractor shall provide them in accordance with the requirements of the Contract Documents.

Addendum 1, ITEM 40.

QUESTION: Spec calls for intermediate paint to be two shades lighter than the finish coat in section 11415 2.10 D 5. Section D 7 a. 2 notes that the intermediate coat should match the finish coat "but a little darker". Which is preferred?

ANSWER: The intermediate coat shall match the finish coat.

Addendum 1, ITEM 41.

QUESTION: Media supplier to train on-site staff; please offer further definition. Is one day on site adequate?

ANSWER: Refer to Section 11415, Paragraph 3.1.A for the supplier field services requirements.

Addendum 1, ITEM 42.

QUESTION: Spec calls for adding GAC to target a bed depth following backwashing. GAC is typically supplied on a total weight basis, not volume or depth basis – is this acceptable?

ANSWER: To remove 1,2,3 TCP, the design basis is the empty bed contact time (EBCT). EBCT is a measurement of volume not weight. Due to each carbon media from different vendors having different apparent densities, weight is removed as a design parameter for the amount of carbon media per vessel. Account for a minimum EBCT of 13.3 minutes EBCT per train at 667 gpm which equates to 594 cu ft. of carbon per vessel in accordance with Section 11415, Paragraph 2.2.A.

Addendum 1, ITEM 43.

QUESTION: The spec doesn't have much detail on interconnecting pipe rack for the GAC vessels, but the drawings show a 14-valve rack. Is it okay to submit on our standard 10 valve rack?

ANSWER: The standard 10-valve rack is acceptable. Refer to P&IDs for the quantities of valves required for the 4-tier manifold of the GAC systems. In addition, refer to Addendum No. 1, ITEM 7 above.

Addendum 1, ITEM 44.

QUESTION: The contract requires all work to be completed within 365 days (52 weeks). Considering the large number of LPGAC and IX projects underway due to PFAS, would a longer duration be considered. If shop drawings are completed within 4-6 weeks, shop drawing review at least 6 weeks, fabrication 25-35 weeks, required availability testing 30 days (4 weeks); there is little time for installation, loading and commissioning the vessels.

ANSWER: No changes to contract duration. All work shall be completed within 365 calendar days from the Notice-To-Proceed in accordance with the Contract Documents.

Addendum 1, ITEM 45.

QUESTION: Would it be possible to get a copy of the Pre-Bid Meeting Sign-In sheet?

ANSWER: The Pre-Bid Meeting Sign-In sheets are included with this Addendum No. 1.

Hazen Sign-In Sheet



March 11, 2020

Location: MVWD Office

Time: 10:00 AM - 11:00 AM

Subject: Pre-Bid Meeting - MVWD Plant 30 Wellhead Treatment Project

Name	Representing	Phone	E-Mail
Jo Baltazar	Pacific HydroTech	951-943-8803	ESTIMATING@PACHYDRO.COM OZZIE@PACHYDRO.COM
J. Davis	PASCAL LUDWIG	909-947-4631	RTMPALE@PASCALLUDWIG.COM
MIKE DORNING	J.F. Shea	(909) 595-4397	ESTIMATING-WATER@JFSHEA.COM
Rob Desmith	JF Shea	"	"
Nathan Price	Core & Main	702-595-3944	nathan.price@coreandmain.com
Anthony Flach	Big Sky Electric	909-993-2941	aflach@bigskyelectric.com
David Lohman	" " "	" "	Dlohman@bigskyelectric.com
Sonathum Delacruz	WALSH	(626) 627-7860	jdelacruz@walshgroup.com
Tim Brekke	Kulgan	310-740-7782	timothy.brekke@kulgan.com
BOB FOSTER	RC FOSTER	951-738-8211	bob@rcfooster.com
Patricia Tinnerino	EVOQUA	714-262-1500	patricia.tinnerino@evogua.com
NOEL COILER	CDM	909-593-3433	coilern@cdmsmith.com
JESUS QUIMPO	CDM	909-579-3470	quimpojv@cdmsmith.com
Bill Camp	CDM	909-204-0813	campwd@cdmsmith.com
NATE LAZEWSKI	CDM	562-254-0009	lazevskink@cdmsmith.com
Kelsey Hakes	Aqueo US Vets	949-531-0786	khakes@aqvets.com
Rob CRAW	Aqueo US Vets	951-967-5232	RCRAW@aqvets.com
Nicole Blute	Hazen	310-266-6212	nblute@hazenandsawyer.com
Alex Rahimian	Hazen	949-557-8696	ARahimian-Poor@hazenandsawyer.com

Job no 200714-002