

Addendum No. 5
Mt. Rose Water Treatment Plant
PWP Bid No.: WA-2018-240
TMWA Capital Project No.: 11-0010
Wednesday August 22nd, 2018

The following information, clarifications, changes and modifications are by reference incorporated into the bid documents for the above referenced project. Any work item or contract provision not changed or modified will remain in full force and effect. **The bid date and time and construction schedule have changed, please refer to Addendum No. 2:**

**CLARIFICATIONS, QUESTIONS AND RESPONSES, DRAWINGS
AND SPECIFICATIONS**

CLARIFICATIONS

No Clarifications issued with this Addendum.

QUESTIONS AND RESPONSES

Question No. 1: Has TMWA taken into consideration specification section 17100 testing requirements with regards to specification section 01670 and the overall project schedule?

Response to Question No 1: The intent of Section 17100 is to set milestones for submittal requirements and factory acceptance testing of equipment so as to allow for delivery and installation to facilitate final project operational status. The requirements of this section are triggered to allow adequate time for the Owner and Contractor to coordinate, develop and test programming of processes and equipment. This coordination shall begin immediately after the issuance of the Notice to Proceed and will be concurrent with the entire project's construction schedule.

Section 17100 provides for an allowance of over 16 months for completion of construction of the facility prior to commencing the 14-day performance test of the plant (considered as Substantial Completion at the end of the 14 days). A subsequent 60 day demonstration period will follow. The PCIS final acceptance testing period will begin 30 days prior to the performance testing period (the beginning of the 14-day performance test) and shall be considered part of the project's construction period.

Question No. 2: Where will the Factory Acceptance Test per 17100- 1.7, A (page 13) be performed?

Response to Question No 2: Clause 1.7.A.5 provides the definition of Factory Acceptance Testing, including location: "The factory acceptance test shall be conducted at the place where the system was engineered, fabricated, assembled, and programmed."

Question No. 3: Specification Section 01670, page 2 identifies the Demonstration Period to start on March 23rd, 2020 and page 11 identifies the Demonstration Period to start on July 8th, 2019. Please clarify.

Response to Question No 3: For Section 01670, Subsection 1.3 H, the fourth sentence of this paragraph shall be deleted in entirety. The Demonstration Period shall begin no later than March 23rd, 2020.

In addition, under Section 01670 Subsection 3.11 A, the date of July 8th, 2019 as indicated in the second sentence, shall be changed to March 26th, 2020.

Question No. 4: After reading add. #3, I need some further clarification: In Q&A to #1 of the add. #3, it states that any ductbank with a “Y” conduit in it needs to be concrete encased with rebar in it, there are only 10 “Y” conduits on the conduit and cable schedule. How are we to handle all the other conduits, direct buried? Please clarify.

Response to Question No. 4: See attached revised detail E103/GE03 for direct buried conduit trench requirement

Question No. 5: Please see the below question in regards to the new insurance required in Addendum #2. It is unclear what the intent of this requirement is. Are our subcontractors to have the required coverage noted, or can the subcontractor’s coverage under our general liability policy be sufficient? If our subcontractors are required to maintain the coverage listed, it will severely limit who is willing to bid this work, and will affect the price of this work.

- I. 5.02 D. Additional insured status for TMWA shall apply until the expiration of time which a claimant can bring suit per application state law. The latent defect statute is 6 years. Some additional insured endorsements state they are no longer in effect after completion of the work or upon expiration of the policy.
- II. 5.02 G. All insurance policies shall be issued by insurance companies having a Best rating of no less than A X. You meet this requirement but this is higher than the normal A- VII and some of your subs may not comply.
- III. 5.02 H. b. Upon completion Contractor shall, if requested by owner, provide a final certificate for itself and each sub showing the contractor and each sub had maintained workers comp insurance by paying all premiums throughout the course of the project.
- IV. 5.02 H. 2. In the first paragraph the last sentence states there shall be no endorsement or modification of the general liability policy limiting coverage from pollution, explosion, collapse and underground property damage. The inclusion of pollution is very unusual as all general liability policies today exclude pollution. They should remove pollution as they are requiring a pollution policy anyway.
- V. 5.02 H b. Again they are stating the general liability policy shall not restrict coverage with respect to the escape of (sic or) release of pollutants. This is excluded in the standard general liability policy so this should be removed as it is coverage by the required pollution policy.
- VI. 5.02H. d. Contractor shall maintain (and subcontractors if the subcontractor coverage under your general liability is not sufficient under 5.02 B.) completed operations coverage with a limit of at least \$5,000,000 for at least 5 years following completion of the work. This requirement is met by just renewing your policy. If the subs must also do so they can also comply by renewing but they may not have the \$5,000,000 limit. This is further complicated by f. where it states the continuing CGL insurance shall have a completed operations aggregate limit of 2 times the occurrence limit. Many of your subs will likely not carry \$10,000,000 limits to meet this requirement and to buy it will be very expensive plus you will have follow up each year for compliance.
- VII. 5.02 H. 3. Your policy is endorsed to provide Electronic Data Liability coverage but some subs may not have it.
- VIII. 5.02 6. c. You have occurrence pollution coverage and it does provide for your subs.
- IX. 5.03 A. They are requiring the builders risk insurance be 110% of the contract amount so we have asked for a higher limit for our quotes.

Response to Question No. 5 (I-IX): With respect to the subcontractor insurance requirement, the intent is to allow the Contractor to include the subcontractors in their coverage or require/allow the subcontractors or maintain separate coverage with the same limits required of the Contractor. If separate coverage is provided by the subcontractor, minimum limits of \$1,000,000 per occurrence shall be required with confirmation that the Contractor's liability coverage extends to acts or omissions by the subcontractor while acting on behalf of the Contractor, to the extent and limit(s) required of the Contractor.

- I. The scope of the requested additional insured endorsement (CG 20 10 07/04) does exclude coverage after completion of the work. The scope of additional insured form CG 20 37 07/04 is meant to provide additional insured coverage after the completion of the work. TMWA shall be included as an additional insured in subsequent renewal policies "until the expiration of time within which a claimant can bring suit..." and per the Continuing Completed Operations Liability Insurance requirement.
- II. All policies maintained by Subcontractors, for the purposes of the Work, shall be issued by insurance companies with A.M. Best ratings of no less than "A-, VII".
- III. The intent of the requirement of "no endorsement or modification of the general liability policy limiting coverage from pollution, explosion, collapse and underground property damage" is to maintain the limited pollution coverage provided under the scope of the required coverage form (CG 00 01 04 13). The form has a pollution exclusion with some exceptions that should not be further limited by endorsement or modification of the policy. Should the Contractor's separate pollution policy include ALL of the coverages granted within the CG 00 01 04 13, TMWA will accept this in lieu of exclusion and or limitations under the Contractor's general liability coverages.
- IV. This provision seeks to ensure that the CGL exclusion pertaining to pollution events, at or from premises of "any insured", will not affect the named insured's coverage for pollution events arising out of work performed for the additional insured project." It is our understanding that newer editions of coverage should meet this requirement.
- V. Contractor shall include all Subcontractors under its policy(ies) or shall contractually require all of its Subcontractors to procure, maintain and provide evidence of insurance coverage with limits no less than those required herein. Any limits maintained by subcontractors under their own policies shall be at least \$1,000,000 per occurrence and at least \$2,000,000 for any applicable coverage aggregate. If subcontractors provide their own insurance with limits less than required of the Contractor, Contractor shall include subcontractors in their coverage up to full limits required of the Contractor. When Subcontractors provide separate coverage, they shall include TMWA as an additional insured under their commercial general liability without requiring a written contract or agreement between the additional insured and Subcontractor. When requested by TMWA, CONTRACTOR shall furnish copies of certificates of insurance evidencing coverage for each subcontractor. CONTRACTOR shall require its Subcontractors provide appropriate certificates and endorsements from their own insurance carriers naming CONTRACTOR and TMWA as additional insureds.
- VI. The subcontractor insurance requirement is written to allow the Contractor to include subcontractors in its coverage to meet the requirements OR require subcontractors to maintain separate coverage. Should the subcontractors not have this coverage, the Contractor could confirm that their coverage includes acts or omissions of subcontractors acting on their behalf up to the limit(s) required of the Contractor. Evidence of the coverage shall be provided to the Owner prior to execution of the Contract.

- VII. The subcontractor insurance requirement is written to allow the Contractor to include subcontractors in its coverage to meet the requirements OR require subcontractors to maintain separate coverage. Should the subcontractors not have this coverage, the Contractor could confirm that their coverage includes acts or omissions of subcontractors acting on their behalf up to the limit(s) required of the Contractor. Evidence of the coverage shall be provided to the Owner prior to execution of the Contract.

Question No. 6: Conduits EL2034, A2001, P2821, P2823, P2822 show up on the drawings but not on the conduit and cable schedule, please provide conduit and wire requirements.

Response to Question No. 6: See attached revised conduit and cable schedule.

Question No. 7: Some of the drawings show a safety switch on some of the MOV`s but not all of them, confirm if all MOV`s will require a safety switch.

Response to Question No. 7: Provide safety switches on all MOVs.

Question No. 8: Questions to ask the Engineer pertaining to spec. section 11113 and applicable drawing details.

- I. Ref. 11113, 2.2 A : Casing, foot mounted shall be Type 316 SST and all wetted parts to be 316SST. Note: We can offer the pump in standard Cast Iron construction with 316 sst. fitted wetted parts (impeller, seal plate, wear plate and shaft), or we can an all CD4CMu stainless pump. The Gorman-Rupp Co. doesn't offer an all 316 SST pump. Is a stainless steel pump casing required?
- II. Ref. 11113, 2.4 Pump Controls. Note: Pumps shall be supplied with a vendor control panel (VCP) for a fully functional pump control system. Is the VCP supposed to include the items as shown on sheet E013 detail for FVNR Motor Starter same panel layout and design?
- III. Ref. 11113, 2.6 A. Gorman-Rupp model specified is T3A-B-4. Please note, T3A-B-4 is a Gorman-Rupp pump curve #, denoting the full impeller pump. It is not a valid pump model #. Please advise what Gorman-Rupp pump model # is required?
- IV. Ref. 11113, 2.4 A. 4. Vendor control panel to include a HIGH DISCHARGE PRESSURE status. Note: Drawing # I250 does not show any HIGH DISCHARGE PRESSURE STATUS. However, it does show HIGH TEMP signal for SCADA HMI. Note: For Sludge Pumps, our preference is to provide PUMP HIGH TEMP condition to protect the pump, rather than using a HIGH DISCHARGE PRESSURE STATUS. The pump specified would not develop any discharge pressure greater than 10 PSI. This is a difficult low pressure to monitor for when pumping sludge. The normal operating discharge pressure would be close to 7 PSI. Therefore, only a small margin in pressure would exist between normal operating pressure and max pressure the pump could produce. Do you require both HIGH DISCHARGE PRESSURE and HIGH TEMPERATURE status? Or, just HIGH TEMPERATURE alarm indication?

Response to Question No. 8 (I-IV): Responses below.

- I. Cast iron construction with 316 stainless steel impeller, seal plate, wear plate, and shaft is acceptable. Stainless steel casing is not required.
- II. The VCP shall include all elements defined in 11113 and as shown on E013 for the FVNR Motor Starter.
- III. The specific pump model is to be selected by the pump vendor based on the flow and head conditions noted within the specification.
- IV. Provide only pump high temperature alarm indication. High pressure alarm indication is not required.

Question No. 9: As a plan holder for the noted project I was reviewing the addendum 2 today and noticed the following discrepancy that warrants a response from the engineer.

Specification section 17106-3 (2.3 Non-Contact Ultrasonic Type Level Measurement) A. Siemens SITRANS Probe LU, no equal.

Comment - The device specified does not meet the design criteria of Items B. C. & D. furthermore it is shown on the P&ID's as a 120VAC powered device. The Probe LU by Siemens is typically a loop powered instrument. Can you please clarify and update the specification, instrument list and drawings with details?

Response to Question No. 9: Provide Siemens SITRANS Probe LU loop-powered instrument as specified with 40' range for all locations. Delete paragraphs 2.3. B, C, and D from Section 17106-2, and references to 120VAC requirements for level for ultrasonic level instruments from drawings.

Question No. 10: Reference: Specification Section 16620, Emergency Generator

- Gillette
- Blue Star

I. Are the listed manufacturer the only acceptable generator for this propose project?

II. If yes, can you give us information the name of distributor representative in the Reno/Nevada Area. Tried to reach to both manufacturer, but to date, no information received.

Response to Question No. 10 (I-II): Yes, the local distributor representative is: Tom Dinsmore, Nevada Energy Systems, 1395 Spice Islands Dr, Sparks, NV 89431 (775) 331-4151

Question No. 11: Do you intend to maintain the original bid date or will there be an any changes?

Response to Question No. 11: No postponement of the Bid Opening date and time is anticipated.

Question No. 12: The details on the plans appear to indicate some sort of base or bedding below slabs on grade, but all say per plans, and no base was found on the plans below slabs on grade. The specifications indicate to scarify and compact below slabs on grade. If aggregate base is required below slabs on grade, please define how much and where this is required.

Response to Question No. 12: For all slab on grade concrete structures follow the base requirements specified in detail C600 beneath the 4" pavement structure. Provide 24" of structural/engineered fill and 8" (min) type 2, class B crushed aggregate at 95% compaction base beneath all slab on grade concrete structures.

Question No. 13: Multiple chemical line wall penetrations are shown in a congested area on plan sheet M263 without an assigned detail. Which wall penetration detail should be used for individual chemical line wall penetrations and is there a different detail for situations where there are multiple pipes? Will this require a different type of secondary containment pipe?

Response to Question No. 13: As described in M260, sheet note 1: "chemical pipe routing shown is suggested and final layout shall be determined by contractor during construction. Pipe routing shall meet requirements of P&ID drawings". The Contractor may adjust location of wall penetrations and select suitable details to match the applicable situation. No additional details are provided.

DRAWINGS

Drawing No. M120: Delete M120 and replace with attached M120.

Drawing No. M280: Delete M280 and replace with attached M280.

Drawing No. GE003: Delete GE03 and replace with attached GE03.

Drawing No. E020: Delete E020 and replace with attached E020.

Drawing No. E021: Delete E021 and replace with attached E021.

Drawing No. E022: Delete E022 and replace with attached E022.

SPECIFICATIONS

No Specification Clarifications issued with this Addendum.

QUESTION CUT-OFF DATE: August 23, 2018
END OF ADDENDUM NO. 5