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CITY OF UNALASKA

FEBRUARY 13, 2014

ADDENDUM 05

TO: **ALL PLAN HOLDERS**

SUBJECT: **INVITATION TO BID**
UNALASKA PYRAMID WATER TREATMENT PLANT – LT2 UPGRADE
PROJECT NUMBER: DPW # 13401

BID DATE: **Thursday, February 20, 2014 2:00 PM (AST)**

This addendum consists of: Four (4) 8½" x 11" sheets. No attachments.

The following corrections, changes, additions, deletions, revisions, and or clarifications are hereby made a part of the documents for the Unalaska Pyramid Water Treatment Plant – LT2 Upgrade dated December 6, 2013. In case of conflicts between this Addendum and previously issued documents, this Addendum shall take precedence.

Note to Bidders: Bidders are required to acknowledge this addendum on the bid form.

GENERAL CLARIFICATION:

NONE

CHANGES TO SPECIFICATIONS:

1. Section 00100, 16: Add "J. Apparent Low Bidder, with Owner's concurrence, may make modifications to the Part 8 – Appendices forms after the bid opening."

2. Section 02500, 3.01.C: Add "8. Polyethylene encasement shall be 8mil minimum thickness and installed on all below ground ductile iron water line. Polyethylene encasement shall be installed in strict accordance with the methods described in the most current editions of AWWA C105/ANSI A21.1 and the Ductile Iron Research Associations publication "A Guide to the Installation of Ductile Iron Pipe."

3. Section 09960, 2.03.B.1.a: Replace with "Dry Film thickness: 25-30 mils minimum unless thicker minimum is recommended by manufacturer."

4. Section 09960, High Performance Coatings, 2.03.C.1.a: Replace with "Dry Film thickness: 30-35 mils minimum unless thicker minimum is recommended by manufacturer."

5. Section 15215, 1.02.B: Replace with “The UV Disinfection System shall consist of two (2) complete, independently operated UV Disinfection units.”

6. Section 15215, 1.03.C: Replace with “The UV Disinfection System shall be the Sentinel 5x10 UV Disinfection System, as manufactured by Calgon Carbon Corporation of Pittsburgh, PA.”

7. Section 15265 (Formerly 15065), 1.05.A: Delete "3-inches and larger".

8. Section 15265 (Formerly 15065), 1.06.A: Delete "3-inches and larger".

9. Section 15265 (Formerly 15065), 1.07.D: Replace with “Flanged joints shall conform to ANSI B16.5, Class 150, unless otherwise specified.”

10. Section 15271, 2.02.B.3: Remove “Butterfly valves shall be Class 150B, and of the flanged short body design. The valve bodies shall be constructed of cast iron ASTM A-126, Class B with ANSI B16.1 flange drilling.”

11. Section 15271, 2.02.B.5: Delete 2.02.B.5

12. Section 15271, 2.02.B.6: Replace "All interior surfaces in contact with water, excluding stainless steel and disc, shall be completely rubber lined." with "All interior surfaces in contact with water, excluding stainless steel and disc, shall be completely epoxy coated using Hammerlock 370 or approved equal."

13. Section 15271, 2.02.B.9: Delete 2.02.B.9.

14. Section 15271, 2.02.B.10: Replace "The coating material shall be PotaPox as manufactured by Tnemec, or equal." with "The coating material shall be Hammerlock 370, or engineer approved equal."

15. Section 16480, 2.03.F: Replace with “Enclosure: NEMA ICS 6; Type 1 or as specified.”

CHANGES TO DRAWINGS:

1. Sheet P2.0, Detail 6: Replace callout “Tri-Max Dechlorination Treatment Assembly, Installed per the Manufacturer’s Recommendation” with “Tri-Max Dechlorination Treatment Assembly by Norweco, Installed per the Manufacturer’s Recommendation”.

2. Sheet P3.0, Valve and Control Schedule, Line items ST101A and ST101B: Change Model No. from “FBQ-150-16” to “FBQ-SS-150-16”.

3. Sheet P3.1, Valve and Control Schedule, Line item V119: Change Model No. from “1854VB” to “1804VB.1”

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RESPONSES TO CONTRACTOR QUESTIONS:

Q.1. Who is paying for the services of soils density testing?

A. See Specification Section 02316 2.03.

Q.2. Please confirm that this is not a Buy American project.

A. This is not a "Buy American" project.

Q.3. Addendum No. 1, Attachment B - Bid Form: Is the Contractor required to write the Unit Bid Price in Words within the actual Bid Schedule even though they are called out to be inserted below the Bid Schedule or is it sufficient to only write the Price (in words) below the Bid Schedule where indicated?

A. Write prices in the spaces provided.

Q.4. Please clarify the type of flanges desired for all exposed stainless steel piping. Spec section 15065 does not specify a type of flange such as weld neck, AWWA class D plate flanges, van stone style, etc. The drawings either depict or specifically call out in some cases a weld neck flange but I want to confirm this is what you want.

A. Process piping flanges shown in the drawings are weld neck flanges. These shall also be used for connection to other flanged process elements. See *Changes to the Specifications* above.

Q.5. Addendum No. 01, Changes to Specifications Item No. 3, added "Part 8 – Appendices" to Section 00100 12.C. However, the Part 8 – Appendices are somewhat confusing within itself in regards to exactly which forms are required to be submitted with the bid. Please provide a list of exactly which Part 8 – Appendices forms are required to be submitted with the Contractors bid.

A. The forms in Part 8 – Appendices are "required documents" and must be completed and included with sealed bids as instructed in 00100 Instructions to Bidders 12.A.

Q.6. Drawing P1.6 in the plan view shows some short spools on the inlet and outlet of the electronic control valves V109A and V109B. But drawing P2.0 section 3 eliminates these spools and shows the BFV's directly on the inlet and outlet of the control valve. Which view is correct?

A. P1.6 shows the correct arrangement.

Q.7. Spec section 02500 Par. 2.01.E states that "…Valves 16" and larger, shall be rubber seat butterfly valves…rated at 250 psi." and there are 2 – 24" BFV's buried on the site. Your response on addendum 1 to question 18 says that 150 lb flanges are adequate for the process piping and flanges. With this in mind, will you allow AWWA

class 150B for these two buried BFV's as you apparently have for the exposed process valves in the same system?

A. Exterior butterfly valves shall be rated at 250 psi per the specification.

Q.8. Specification Section 16480.2.03.F states the Nema ratings for the motor starters and/or combination motor starters to be Type 1 or 3R as shown on the drawings. Sheet E1.2 does not indicate the rating for the starters. Please provide type of material and Nema rating required.

A. All motor controls within the interior of the facility shall be NEMA 1 rated unless otherwise specified under process equipment with the exception of starters for PMP 101 through 104, which shall be rated NEMA 3R due to proximity of hose bib. See *Changes to the Specifications* above.

Q.9. Identifies Room 107 classified as an H occupancy, what is the classification or does it meet explosion proof criteria?

A. Moderate Hazard Oxidizing Gas Storage (H-3) classification per Code Analysis shown on sheet G1.0.

Q.10. Are we able to submit completed EPA forms 6100-3 and 6100-4 with a bid modification? Or we required to submit the forms with estimated prices with the original bid documents and follow with a price modification on bid day?

A. See Q.5. and *Changes to the Specifications* above.

Q.11. Sheet E1.2 shows a combination starter to be installed for the Domestic Water Booster Pump (WBP-1). Sheet M0.2 shows WBP-1 is 120V and is a packaged booster system complete with controls. Is the intent for the disconnecting means to be a manual motor starter, fused or non-fused disconnect instead of a combination starter? Please advise.

A. Provide NEMA 1 non-fused 30A disconnect for WBP-1 per specification section 16440, 2.02.B.

ATTACHMENTS:

NONE