

Addendum No. 1

**CITY OF ABERDEEN
ABERDEEN, MARYLAND
DEPARTMENT OF PUBLIC WORKS**

ABERDEEN ADVANCED WWTP HEAT EXCHANGER REPLACEMENT

Engineering Project No. 11205021

Receipt of this Addendum shall be automatically recorded by the City of Aberdeen once each Bidder downloads the Addendum No. 1 file from the City of Aberdeen website. No further action on the part of a Bidder is required to acknowledge receipt.

BIDS DUE REMINDER

Bids remain due September 3, 2020 at 2:00 PM.

General Clarifications and Reminders

1. Contactors wishing to return/visit the site are able to do so up to 24 hours prior to the time of bid submission. Contact Mr. George Skinner (410) 272-2650 to schedule a site visit. Please give a 24 hour notice prior to site visit.
2. Bidding contractors are directed to contact Walker Process Equipment directly with questions about Walker's scope, dimensions and weights, delivery schedule, and other items pertaining to the boiler/heat exchanger. Their contact information is below:

Jeffrey C. Thomas
Regional Sales Manager
Walker Process Equipment
Division of McNish Corporation
840 N. Russell Ave
Aurora, IL 60506
Direct Line: (630) 264-5213
Email: jthomas@walker-process.com

3. All bidders will receive a bid tabulation following the bid opening. The apparent successful bidder will receive a separate notice Notice of Intent to Award following the bid evaluation.
4. At least two existing or one new HHX unit(s) need(s) to be in operation at all times. The existing HHX Unit No. 1 (center) has been out of service for many years. Schedule replacement work to include demolition of this unit in the first stage of replacement.
5. The required run time for the new HHX unit to demonstrate operations for acceptance is 7 consecutive calendar days each.
6. The substantial completion period is 300 calendar days after NTP.
7. Contractor is responsible for obtaining and paying for the boiler installation permit through the Maryland Department of Labor, Licensing, and Regulation, Boiler and Pressure Vessel Safety Inspection Unit. Contact:

Division of Labor and Industry
Boiler and Pressure Vessel Safety

1100 N. Eutaw Street - Room 605
Baltimore, MD 21201
410-767-2990
Fax: 410-333-7827
e-mail: boiler.safety@maryland.gov

8. Contractor is responsible for obtaining and paying for all Harford County permits relating to the new construction <https://www.harfordcountymd.gov/985/Permits>
9. Shipping weight of each new boiler is close to 5 tons. The City's existing 3 ton overhead crane cannot support the new boilers. If needed for work incidental to new boiler installation, contractor can use the City's existing 3-ton overhead crane. If used, the City will not require the contractor to have the existing 3-ton crane inspected following use by Contractor.
10. The Roof Contractor that installed the roof is Ruff Roofing.
11. BGE's work is anticipated to complete before new HHX Unit No. 2 is installed (by January 2021). Contractor to coordinate with BGE on natural gas pipe extension work by BGE's contractor and on gas pipe interconnection with the gas pipe to the new HHX unit. BGE's contact information is provided below:

Mr. Ethan R Wells
Phone: (667) 313-1400
Email: ethan.wells@bge.com
12. The existing fuel oil piping shown on the drawings is based upon drawings available to GHD and field observation. Contractor shall demolish all fuel oil piping up to the point of isolation valve on the fuel oil tank. Exterior tank and appurtenances to be removed by others.
13. Install mechanical coupling on the vertical suction and discharge pipes that are to be replaced during construction.
14. Prebid meeting sign-in sheet is attached.

Modifications to the Project Manual

1. SPECIFICATION 01010 – SUMMARY OF WORK
REVISE Article 1.06, Paragraph B.2 to read:
 2. Replacement of existing Heater/Heat Exchanger:
 - a. Demolition of existing Digester Heater No. 1 (in the middle, non-functional).
 - b. Installation, testing and startup of new Digester Heater No. 2.
 - c. Demolition of existing Digester Heater No. 3 (adjacent to the exterior stairs).
 - d. Installation, testing and startup of new Digester Heater No. 1 (adjacent to the exterior stairs)
 - e. Demolition of existing Digester Heater No. 2 (adjacent to the interior double door).
 - f. Refer to Contract Drawings for equipment identifications.
2. SPECIFICATION 15181 – HYDRONIC HEATING PIPING
REVISE Article 2.01, Paragraphs B.2 to read:

2. Joints shall be soldered. Provide 95/5 Tin-Antimony Solder. Solder alloys are covered by ASTM Standard Specification B32.

3. SPECIFICATION 15185 – HYDRONIC PUMPS
REPLACE, Article 2.01, Paragraph D with the following:

D. Capacities and Characteristics - As noted below:

1. Provide three (3) in-line hot water recirculation pumps with base plates to replace the existing pumps. They shall be installed on the concrete pads as shown on Contract Drawings. Reuse the existing suction and discharge pressure gauges.
2. Pumps shall be as follows:
 - a. Pumping Rate: 60 gpm
 - b. TDH: 25 feet
 - c. Pump Speed: 1,750 rpm
 - d. Motor Horsepower: 1 Hp
 - e. Pump Efficiency: minimum 55%
 - f. Impeller Diameter: 5.75 inches
 - g. Voltage: 3 phase / 60 Hz/ 460 V
 - h. Seal: Mechanical seal
3. The hot water recirculation pumps shall be model E-1531-125AD in-line pumps as manufactured by Bell and Gossett/Xylem; Or Equal.
4. Spare part: one set of mechanical seal per pump.
5. The specified equipment shall be warranted for a period of one (1) year from the date of Substantial Completion and Acceptance of the Work by Owner to be free from defects in workmanship, design, or material in accordance with Section 01640. If the Equipment should fail during the warranty period due to defective parts, it shall be replaced at no expense to Owner.

Modifications to the Project Drawings

1. **None.**

END OF ADDENDUM NO. 1

