



## 36-2024 ADDENDUM 3

# NORTH END SEWAGE TREATMENT PLANT (NEWPCC) DIGESTER TANK 9-14 SPIRAL HEAT EXCHANGER REPLACEMENTS

ISSUED: April 2, 2024  
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### **URGENT**

**PLEASE FORWARD THIS DOCUMENT TO  
WHOEVER IS IN POSSESSION OF THE  
BID/PROPOSAL**

**THIS ADDENDUM SHALL BE INCORPORATED  
INTO THE BID/PROPOSAL AND SHALL FORM  
A PART OF THE CONTRACT DOCUMENTS**

Template Version: Add 2024-02-01

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**Please note the following and attached changes, corrections, additions, deletions, information and/or instructions in connection with the Bid/Proposal, and be governed accordingly. Failure to acknowledge receipt of this Addendum in Paragraph 10 of Form A: Bid/Proposal may render your Bid/Proposal non-responsive.**

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### **FORM B: PRICES**

Replace: 36-2024 Form B: Prices with 36-2024 Addendum 3 - Form B(R1): Prices. The following is a summary of changes incorporated in the replacement Bid/Proposal Submission:

Form B(R1): Add Item No. 1.

### **PART E – SPECIFICATIONS**

Revise: E5.5(h) to read: Port: Full.

Revise: E5.6(h) to read: Port: Full.

### **QUESTIONS AND ANSWERS**

Q1: Will the city provide an electrical power supply for the site office-lunchroom trailer?

A1: No site trailer mobilization was expected due to the scope of work and length of site work. A lockbox can be accommodated. Contractors may temporarily setup a break area in the gallery opposite the loading bay. A site trailer can be coordinated as required with temporary power. Power will be limited to lights and minor auxiliary outlets. Heating and A/C loads may not be able to be accommodated.

Q2: Will the city provide washroom facilities for the project or do we include cost for a wash car?

A2: The contractor will be assigned a bathroom.

Q3: 36-2024 NMS Specification Sec 1.3.7 identify the requirement for system cleaning & fill, please provide additional information on this requirement?

A3: The spiral heat exchangers shall be ensured free of dirt and debris, flushed and cleaned as per manufacturer instructions prior to installation.

Q4: In addition to supplying vendor shop drawings for each type of valve, please specify any additional shop drawing requirements other than as built mark-ups?

A4: There are no additional shop drawing requirements.

- Q5: Please confirm all six heat exchangers can be replaced under the one site mobilization; replacing one heat exchanger after another (after commissioning) and without interruption/delay.
- A5: The exchangers are being delivered complete. Digester isolations are planned one after the other with work being completed under one mobilization. The associated valves for each exchanger can be worked on during the same digester shutdown or as otherwise coordinated.
- Q6: Please confirm 10-hour shifts are acceptable for the heat exchanger/valve installation
- A6: While NEWPCC operates 24hrs including a skeleton crew in the evenings, the typical daytime working hours are between 7:30am-3:30pm which constitutes an 8-hour day. The City preference is for the Work to occur during regular daytime hours. Weekend work and 10-hour shifts can be coordinated and approved by request.
- Q7: Please confirm the project kick-off as soon as the heat exchangers and valves arrive on site and that all six heat exchangers will be arriving on one load
- A7: The valves are to be supplied by the contractor. Heat Exchanger arrival will be coordinated with the contractor who are responsible for receiving the exchangers and transportation to the installation site. The contractor may elect to kick-off the project prior to exchangers arrival.
- Q8: As shop drawings for new heat exchangers are not yet available and considering 36-2024 NMS Specifications Part 2 Sec 2.1.2.1 should we presume no requirement for cutting, grooving, and/or welding of existing piping to allow for the connection and installation of new equipment? And if required, this work would be addressed separately as added work?
- A8: That is correct, presume no requirements for modification to existing piping to complete the scope of work. Any changes will be addressed under the typical PCN/Change Order process.
- Q9: The specifications suggest most work will be completed during the summer; however, the 36-2024 Tender Doc Sec D21.1.(a) states the new heat exchangers will arrive in October 2024. Please confirm exchanger delivery date and planned start date for contract.
- A9: The exchangers being supplied by the "City" for this Tender are now expected in the late fall. The valves being supplied by the contractor under this tender may be coordinated and installed earlier as a separate shutdown with operations approval. If waiting for 100% of the equipment, the planned start date will be late October. All remaining work can be completed during this time or as otherwise coordinated.
- Q10: Our vendor can supply a flanged ball valve with tapping, or with a gear, but not both. Are the double taps required on the valves with gears for the wheel operators?
- A10: Taps on the ball valves are no longer required at any location. See the revision to the specifications listed above.
- Q11: From "Form B: Prices" these is no item # allocated for the removal/demo of existing heat exchangers and valves. Please advise.
- A11: An updated Form B Prices has been provided.

## **Clarification**

Addendum 2; Question 4: Tapping 6" ball valves are no longer required.