



36-2024 ADDENDUM 1

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

URGENT

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

ISSUED: March 26, 2024
BY: Nathan Lee
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**THIS ADDENDUM SHALL BE INCORPORATED
INTO THE BID/PROPOSAL AND SHALL FORM
A PART OF THE CONTRACT DOCUMENTS**

Template Version: Add 2024-02-01

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.

APPENDICES

Add: Appendix C 36-2024_Addendum_1_Appendix_C_Historical_Structural_Drawings

QUESTIONS AND ANSWERS

Q1: Who is responsible for flushing the spiral heat exchangers before removal?

A1: The City of Winnipeg will flush the Heat Exchanger prior to removal.

Q2: Are clarifications permitted on tender submissions for the City of Winnipeg Tender 36-2024?

A2: All questions shall be submitted via email to the contract administrator and will be answered via addendum.

Q3: Can you provide data sheets for the new sheet exchangers?

A3: The procurement tender with preliminary drawings can be downloaded from MERX and was released by the City of Winnipeg, Tender 812-2023. The final shop drawing submittals have not yet been provided by the supplier.

Q4: How much do the Spiral Heat Exchanger weigh?

A4: The estimated dry weight of the spiral heat exchangers is 6250 lbs each

Q5: There are lifting lugs bolted to the concrete ceiling; is the contractor allowed to install engineered lifting plates/lugs to ceiling above heat exchangers as required?

A5: No, additional lifting plates and lugs are not permitted. The existing are for pipe supports.

Q6: Are the existing housekeeping pads to be reused?

A6: Yes, the new spiral heat exchangers should fit on the existing pads.

Q7: Is the contractor to modify/shorten the existing HSS pedestals to accommodate larger heat exchangers?

A7: The new spiral heat exchangers should come with pedestals that fit onto the existing housekeeping pads. Adjustments to fit the exchanger to the existing piping is part of the scope of work.

Q8: A housekeeping pad was noted to have a minor crack where one pedestal was attached. Should this pad be repaired or replaced?

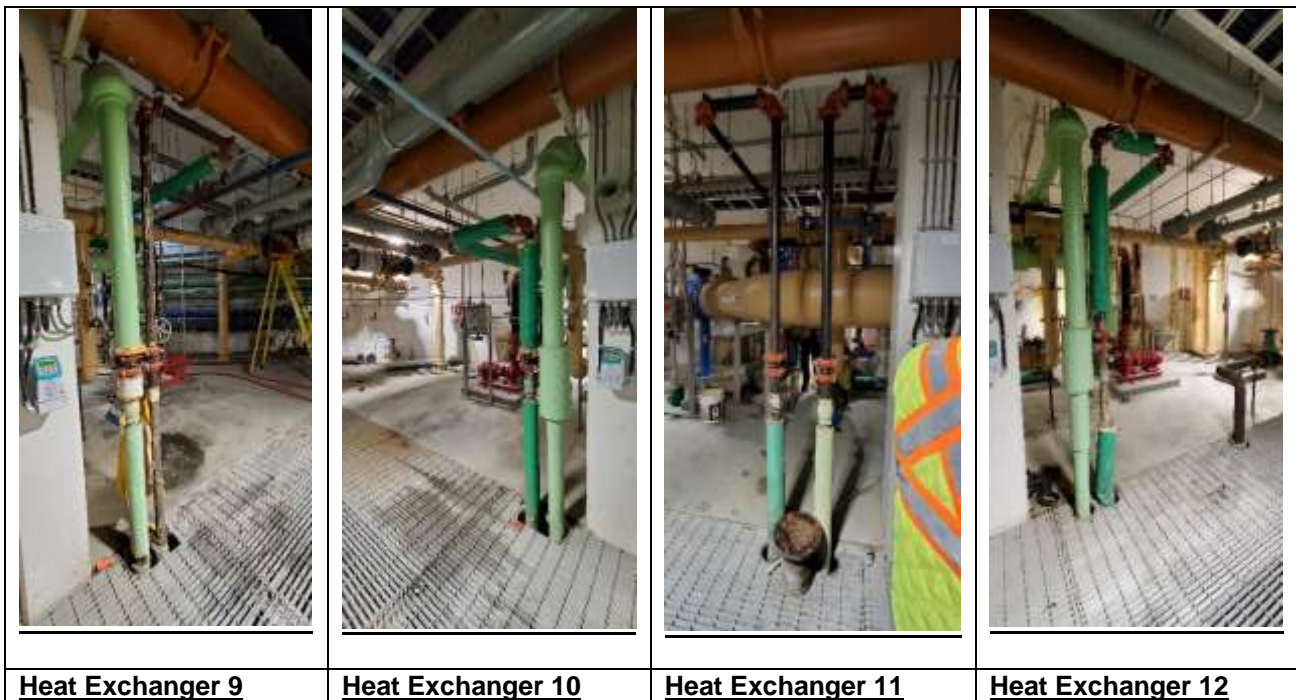
A8: No repair or replacement should be necessary unless a serious defect in the substrate is discovered during the course of the work, which must be addressed through the standard PCN and Change Order process.

Q9: Are valves detailed in E5 and E6 of the tender documents the same size and type as existing valves, eliminating the need to modify piping?

A9: All valves should be a drop-in replacement with no piping changes required. If a discrepancy is discovered during the course of Work (such as valve sizing which could not be confirmed prior to the commencement of the Work), then changes must be handled through the standard PCN and Change Order process.

Q10: On the lower floor heat exchangers (#9-12), the hot water supply/return piping tees off before the isolation valves. Are these two lines each to be included in the insulation scope of work?

A10: Yes, these lines are to be included in the insulation scope of work.



Q11: Is insulation to be added to the piping immediately surrounding the hot water pumps?

A11: No, the hot water pumps are frequently serviced. There is no insulation immediately adjacent to the pumps beyond the nearest connecting flange.

- Q12: Is the Safe Work Plan for moving the heat exchangers required with our bid submission? Or just 5 days prior to work?
- A12: The Safe Work Plan as required by the city and outlined in Tender Section D12.1 and D12.2 must be submitted at least 5 days prior to the commencement of Work. A standalone SWP for the safe transportation for the removal and installation of the spiral heat exchangers must also be submitted as per Section D12.4. No deadline was provided in the tender. We recommend at least two weeks prior to commencement of Work to allow time for the engineers to review the standalone SWP. If a preliminary standalone SWP for the transportation of the heat exchangers is available prior to submission, it may be included as part of the submittal package.
- Q13: How many heat exchangers can be changed at the same time?
- A13: Only one spiral heat exchanger may be changed at a time. Individual digesters can only operate for roughly a single day in cold weather without a functional heat exchanger. If the work to replace the heat exchanger and control valves and isolation valves will exceed a single day, then the Work must be staged over multiple days, with at least one working day in between to allow the digester to return to operating temperature unless otherwise agreed upon.
- Q14: Are the beams under the floor grating aluminum or steel?
- A14: They are steel.
- Q15: Control Valves electrical and pneumatic lines.
- A15: Contractor is responsible for the replacement of the control valve itself. The City will be responsible for the disconnect and reconnect of the electrical and pneumatic lines to the control valves. Work to be coordinated with the city to ensure minimal downtime.
- Q16: Can you provide structural/architectural drawings for the digester area as well as the loading dock and areas where they will be transported through to their installation location?
- A16: The available historical drawings from 1963 have been attached to this addendum. Their accuracy to current conditions cannot be verified.