



Water and Waste Department • Service des eaux et des déchets

October 20, 2016

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Manitoba Sustainable Development
Climate Change and Environmental Protection Division
Environmental Approvals Branch
Suite 160 – 123 Main Street (Box 80)
Winnipeg, MB R3C 1A5

Attention: Ms. Tracey Braun, M.Sc., Director

Dear Ms. Braun:

RE: Notice of Alteration City of Winnipeg South End Water Pollution Control Centre (SEWPCC) – Environment Act License No. 2716 RR

Summary:

Your letter of November 5, 2015, requested the City work with the Clean Environment Commission (CEC) to review the existing SEWPCC Upgrade project schedule and to provide a report on the in-service date of the SEWPCC biological nutrient removal (BNR) upgrade. Please find attached the final report dated October 2016 authored by Associated Engineering Ltd. (AE), recommending a date of March 31, 2021. However, the C4 contract posting date is trending late and the design consultant is forecasting a completion date of September 2021. The City is endeavoring to complete this important upgrade as soon as practical.

Discussion:

The City hired an independent professional engineering consultant, AE, to perform a third-party review of the SEWPCC project schedule and present the findings to the CEC for consideration. AE's team of engineering and construction experts reviewed the schedule and provided their professional review to the CEC.

Associated Engineering determined that the existing project schedule was extremely aggressive given the complexity of constructing such an upgrade on an existing facility providing an essential wastewater treatment service under an Environment Act License. AE recommended to the CEC a final BNR upgrade completion date of March 31, 2021. The CEC submitted comments to the City in a letter dated October 3, 2016:

CEC 1: *However, in the final report, further explanation is required regarding the challenges to issuing a tender for the C4 contract before the end of 2016.*

City response: AE has provided the details regarding the challenges in finalizing the design and awarding the C4 contract. See Section 4.3.1 of the report.

CEC 2: *It would also be helpful if a report on the progress made on this contract could be provided before the end of 2016.*

City response: The City is currently providing progress reports to Manitoba Sustainable Development on a quarterly basis. In Section 4 of the Financial Status Report (FSR) 11, detailed design activities to complete the C4 bid opportunity are discussed and progress stated. The next Financial Status Report (FSR) will be issued in January 2017. We trust that the current FSR No. 11 provided in October 2016, submission of this letter and the submission FSR No. 12 in January 2017 will provide sufficient documentation of the project.

C4 Contract Update:

The C4 contract is the last bid opportunity for this project. The scope of work is:

- New electrical substation upgrade to increase the electrical power to the site
- The facility wide mechanical and electrical works
- New chemical and electrical building
- New headworks for the plant
- New fermenters for the BNR process
- New odour control
- New sludge thickening
- New electrical duct banks
- New process by-pass piping
- New instrumentation and SCADA control system
- Operations staff training
- Operations and Maintenance Manuals
- Standard Operating Protocols
- Record drawings
- Coordination of sequential process tie-ins to running wastewater treatment plant
- Testing and commissioning to bring the plant online

C4 Detailed Design is still being completed. Once the design and contract specifications are complete the C4 Bid Opportunity will be issued for tender. Issuing the C4 Contract for tender is a major milestone in securing the project schedule for completion. Considering the challenges finalizing the design, the C4 contract award will be extended beyond February 2017.

Should you have any questions on this report, please contact Duane Griffin, P. Eng., at 204-986-4483 or by email at dgriffin@winnipeg.ca. and we will arrange a meeting.

Yours truly,



Chris Carroll, P. Eng., MBA
Manager of Wastewater Services Division

Attachment

DEG/dtk

- c: J. Veilleux, P. Eng., PMP, Water and Waste Department (email)
- M.L. Geer, CPA, CA, Water and Waste Department (email)
- G.K. Patton, P. Eng., Water and Waste Department (email)
- R. Grosselle, Water and Waste Department (email)
- D.E. Griffin, P. Eng., Water and Waste Department (email)
- M. Paetkau, P.Eng., Water and Waste Department (email)

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