

MONTHLY PROGRESS REPORT BY PROJECT STEERING COMMITTEE
CITY OF WINNIPEG - NORTH END WASTEWATER TREATMENT PLANT UPGRADE PROJECT

Progress Report Date: Report #8 October 14, 2020

Objective 1: Oversee implementation of the Interim Phosphorous Reduction Plan.

The following key elements have been completed to date to meet the due date for Objective 1:

- Please refer to previous progress reports for a complete history.
 - The PSC continued to meet regularly throughout September. The Project Steering Committee (PSC) Co-chairs presented at the Project Advisory Committee (PAC) Meeting September 2 and 23 2020. AECOM attended the meeting on September 2 to answer questions from the PAC.
 - Findings from the alternative chemical analysis and preliminary modeling were discussed during this meeting.
- The Project Steering Committee meetings have been increased to weekly as of August 11th. Meetings were held September 1, 8, 15, 22, and 29.
- The City's Request for Proposal (RFP) for Professional Consulting Services for NEWPCC Interim Phosphorous Removal Detail Review and Benchscale Testing, RFP No. 1179-2019:
 - A report summarizing the alternative chemical analysis and preliminary modeling results was presented and discussed with the Project Steering Committee at PSC Meeting #19 on August 25th. This information was presented at the September 2 PAC meeting.
 - Preliminary Modeling
 - Computer simulations are 90% complete. Jar testing is to be completed to verify the findings from the computer simulations.
 - Jar Testing:
 - The University of Manitoba has received its Biohazard permit
 - Laboratory testing is underway and progress reports are received regularly
 - Design and costing
 - AECOM has conducted site investigations and is reviewing design options for the three interim phosphorous removal scenarios.
 - AECOM is conducting a business case analysis of supply and storage options to provide the increased ferric dose to the NEWPCC.
 - Schedule
 - A report summarizing activities to date and recommendations for Interim P Removal is anticipated for end of 2020.
 - COVID 19 Impacts:
 - University of Manitoba laboratory facilities received their biosafety hazard permit approval for jar testing on August 31st, 2020.
 - Wastewater sampling and jar testing as per the original scope of work began in mid-September.
 - September 30 Update to Interim Phosphorous Reduction Plan
 - The Interim Phosphorous Reduction Plan was updated and submitted to the PAC September 30, 2020. The plan includes a progress report for activities to date and the next steps for interim phosphorous reduction.

The following key next steps are being carried out to meet the due date for Objective 1:

- The Project Steering Committee will continue to meet regularly.
- Laboratory testing of interim phosphorous reduction options will continue through October and November. A summary report will be submitted to Manitoba Conservation and Climate in December 2020.
- The City will submit a Notice of Alteration to the province for implementation of the recommended option.
- The City will submit the recommended option to City Council for approval
- Following submission of the recommended option, develop a plan for assessing enhanced interim phosphorous removal in 2021
- Carry out and assess additional laboratory work to reflect high spring flows in spring 2021
- Review and revise the schedule for 2022 and beyond as the project develops.

File Numbers:

Client File No: 1071.10

WWD: S-1146, S972, EMS, 020-17-08-11-00, 020-17-08-11-0N

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Submitted to: Project Advisory Committee, NEWPCC Upgrade Project

Submitted by:

NEWPCC Upgrade Project Steering Group Committee,
Co-Chairs: Michelle Paetkau, P.Eng., Siobhan Burland Ross, P.Eng.

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Objective 2: Oversee progress of the implementation plan for the complete upgrade of the NEWPCC to meet all licence conditions.

The following key elements have been completed to date to meet the due date for Objective 2:

- Please refer to previous progress reports for a complete history.
- The Biosolids Facilities Project engineering design budget of \$15.344 million was approved by City Council on January 30, 2020 as a recommendation within the 2020 to 2023 Water and Sewer Rate Report.
- An update to the project timelines was developed; there is consensus for the year 2021 and a constructability review will determine if the 2032 completion date for licence compliance can be accelerated.
- A first draft of the September 30 Update to the NEWPCC Upgrade Plan was provided to the Project Advisory Committee on September 30, 2020. The PAC met to provide input and comments on the report. The report was then finalized and was released to the public on October 9, 2020.

The following key next steps are being carried out to meet the due date for Objective 2:

- The Power Supply and Upgrade Project is on schedule for completion by end of 2020
- The evaluations of Request for Proposals (RFP) for the Headworks Project continues to be evaluated
- Funding applications and procurement strategies continue to be reviewed to determine the most efficient delivery model.
- A constructability review is planned for the second and third quarter of 2021
- Review and revise the schedule as assumptions are validated and/or constraints are realized

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