

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

Progress Report Date: Report #6 August 12, 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.
- Project Steering Committee meetings were held July 8 and 21, 2020, and August 11, 2020.
- The City's Request for Proposal (RFP) for Professional Consulting Services for NEWPCC Interim Phosphorous Removal Detail Review and Jar Test Benchscale Testing, RFP No. 1179-2019:
 - A report summarizing the alternative chemical analysis and preliminary modeling results will be presented to the Project Steering Committee in mid August 2020
 - Alternative Chemicals Analysis
 - Two vendors responded to enquiries for alternative phosphorous removal chemicals. Vendors indicated that their products were not available for independent testing/verification. The products have also not been trialed in plants similar to the NEWPCC. Due to a lack of case history, unavailability of product for testing, and unknowns related to chemical interactions within the sludge treatment system, AECOM can not recommend an alternative chemical for further consideration
 - The City will proceed with ferric chloride as the phosphorous removing chemical
 - Preliminary Modeling
 - Computer simulations are complete
 - Design and costing
 - AECOM has conducted site investigations and is reviewing design options for the three interim phosphorous removal scenarios
 - Schedule
 - A report summarizing activities to date and recommendations for Interim P Removal is anticipated for end of 2020
- COVID 19 Impact:
 - University of Manitoba laboratory facilities have restricted site access for COVID prevention. Jar testing is not permitted until safety protocols are in place for wastewater testing/handling.
 - The University of Manitoba is currently reviewing options to test for the presence of COVID. Federal funding to support these efforts via an NSERC Grant has been approved.
 - Other options for jar testing are also being explored, including the West End Sewage Treatment Plant as a site for experimental setup
- Note: the Project Advisory Committee did not meet in July and August, 2020.

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

- The Project Steering Committee will meet weekly starting August 11, 2020.
- The Interim Phosphorous Reduction Plan and a Nutrient Removal Plan for the North End Sewage Treatment Plant schedules will be reviewed and an update regarding timelines will be submitted to the Project Advisory Committee by September 30, 2020.
- The Project Steering Committee received input on what the Project Advisory Committee would like to see addressed in the September report. The Project Steering Committee will review this request and incorporate the feedback.

Submitted to: Project Advisory Committee, NEWPCC Upgrade Project

Submitted by:

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

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Progress Report Date: Report #5 August 12, 2020

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.
- Digester 11 Rehabilitation: digester commissioning has been completed and the digester is currently operational. The process performance will be monitored for ongoing stability and operation.
- Note: the Project Advisory Committee did not meet in July and August, 2020.

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

- The Interim Phosphorous Reduction Plan and a Nutrient Removal Plan for the North End Sewage Treatment Plant schedules will be reviewed and an update regarding timelines will be submitted to the Project Advisory Committee by September 30, 2020.
 - The next step is the Biosolids Facilities project.
- The Project Advisory Committee provided input on what they would like to see addressed in the September report. The Project Steering Committee will review this request and incorporate the feedback.
- The Project Steering Committee will meet with the Project Advisory Committee on September 2, 2020

Submitted to: Project Advisory Committee, NEWPCC Upgrade Project

Submitted by:

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