

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

Progress Report Date: Report #5 July 8, 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 City's Request for Proposal (RFP) for Professional Consulting Services for NEWPCC Interim Phosphorous Removal Detail Review and Benchscale Testing, RFP No. 1179-2019:
 - The committee met June 16, 2020 with the City's consultant AECOM to review the progress made to date, specifically the interim modelling results of the modelling work completed to date, a summary of the alternative chemical study results, and a description of the work yet to do.
 - The interim modelling results indicate that some reduction of phosphorus in the effluent will be possible with an interim solution; however, the amount of reduction able to be achieved will be variable based on a variety of factors, including the capacity of the existing facility and seasonal flow patterns (i.e., low to no phosphorus reduction during high flows with increased reduction during low to normal flows).
- COVID 19 Impact:
 - University of Manitoba laboratory facilities remained closed in June.
 - Project Steering Committee meetings have been increased back to bi-weekly.
- As of June 22, 2020, Michelle Paetkau was designated the Project Steering Committee Co-chair from the City of Winnipeg.
- The Project Steering Committee Co-chairs presented at the Project Advisory Committee Meeting June 24, 2020.
- Project Steering Committee meetings were held June 2 and 16, 2020.

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

- The Project Steering Committee will meet July 8, 2020. In particular, revised timelines for deliverables that have been delayed due to COVID 19 will be discussed, including the following:
 - Completion of benchscale testing
 - Completion of assessment and evaluation of alternatives
 - Development of conceptual design, Class 4 Cost Estimate and risk assessment
 - Completion and submission of NEWPCC Interim Phosphorous Removal Detail Review and Benchscale Testing Final Report
- The Interim Phosphorous Reduction Plan and a Nutrient Removal Plan for the North End Sewage Treatment Plant schedules will be reviewed and an updated plan with timelines submitted to the Project Advisory Committee by September 30, 2020
- 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 into the report.

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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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 commenced and is scheduled to be complete by 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 updated plan with timelines will be submitted to the Project Advisory Committee by September 30, 2020.
- 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 into the report.
- Detailed design of the Biosolids Facilities project to commence in 2020.

Submitted to: Project Advisory Committee, NEWPCC Upgrade Project

Submitted by:

NEWPCC Upgrade Project Steering Group Committee,
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