

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

Progress Report Date: Report #10 December 15, 2020

Interim Phosphorous Reduction Plan

The following key elements have been completed during the month of November 2020:

- 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 Bench Scale Testing, RFP No. 1179-2019:
 - Preliminary Modeling
 - Computer simulations for average conditions are complete.
 - Jar Testing:
 - Laboratory testing is underway and progress reports are received regularly
 - Testing has been substantially completed. There may be some follow up testing in December, January, February but this is not expected to change/alter findings
 - Design and costing
 - Preliminary testing and cost estimates are complete
 - AECOM business cases are being finalized
 - Schedule
 - A report summarizing activities to date and recommendations for Interim P Removal is anticipated for end of 2020.
- COVID 19 Impacts:
 - Laboratory analysis and jar testing at the University of Manitoba continues following a COVID-19 safety protocol
 - Access to the sewage treatment plant and operators continues while minimizing direct contact and following appropriate social distancing
 - Meetings continue to be held remotely

The following key next steps are being carried out:

- A submission to Manitoba Conservation and Climate is planned for end of 2020
- The City will submit a Notice of Alteration to the province for implementation of the recommended option, pending Council approval of the budget
 - 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.

Submitted to: Manitoba Conservation and Climate

Submitted by:

Michelle Paetkau, P.Eng.

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Upgrade of the NEWPCC to Meet All Licence Conditions

The following key elements have been completed during the month of November 2020:

- Please refer to previous progress reports for a complete history
- The Power Supply project continues commissioning activities and is on schedule
- On January 30, 2020, Council approved \$15,223,000.00 from the Biosolids Facilities project budget to secure engineering services. This engineering work has not yet started, as the Province has requested that the City undertake a review of a P3 project procurement methodology, which is ongoing
- Request for Proposal (RFP) evaluation for the Headworks Projects continue

The following key next steps are being carried out:

- 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 for the Biosolids Facilities Project and the Biological Nutrient Removal Facilities Project
- A constructability review is planned for the second and third quarter of 2021 to determine if there will be opportunities to accelerate the schedule
- Review and revise the schedule as assumptions are validated and/or constraints are realized

Submitted to: Manitoba Conservation and Climate

Submitted by:
Colin Javra, P.Eng.