

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

Progress Report Date: Report #9 November 15, 2020

Interim Phosphorous Reduction Plan.

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

- Please refer to previous progress reports for a complete history
- The Project Steering Committee has been disbanded by the Province of Manitoba; regular monthly progress reports will continue from the City of Winnipeg
- 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 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
 - Testing will continue until late November for annual average conditions; maximum month testing will occur during spring wet weather flows in 2021
 - Design and costing
 - Preliminary testing and cost estimates are ongoing for the three interim-phosphorous scenarios
 - AECOM continues to conduct 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:
 - 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:

- Laboratory testing of interim phosphorous reduction options will continue through 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.

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 October 2020:

- Please refer to previous progress reports for a complete history.
- The Power Supply project continues commissioning activities and is on schedule
- 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.
 - A funding application is currently being reviewed by the Province of Manitoba
- 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:
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