



Water and Waste
Eaux et déchets

November 24, 2020

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Manitoba Conservation and Climate
Environmental Stewardship Division
Environmental Compliance and Enforcement
1007 Century Street
Winnipeg, MB R3H 0W4

Attention: Shannon Kohler, Director

RE:

Please find the attached monthly progress report for Interim Phosphorous Reduction and the Overall NEWPCC Upgrade project. This report is for the month of October 2020.

Should you have any questions on this report, please contact me at 204-986-4904 or by email at mpaetkau@winnipeg.ca.

Sincerely,



M. Paetkau P. Eng.
Acting Branch Head for Wastewater Planning and Project Delivery

Attachment

MP/dr

c: Siobhan Burland Ross, M. Eng., P. Eng., Manitoba Conservation and Climate (email)
Yvonne Hawryliuk, MSc, Manitoba Conservation and Climate (email)
M.L. Geer, CPA, CA, Water and Waste Department (email)
G.K. Patton, P. Eng., Water and Waste Department (email)
R. Grosselle, Water and Waste Department (email)
C. Carroll, P. Eng., Water and Waste Department (email)
C. Javra, P.Eng., Water and Waste Department (email)



D.Griffin, P.Eng, Water and Waste Department (email)

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 Benchscale 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.

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

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:
Michelle Paetkau, P.Eng.,