



January 22, 2020

Client File No.: 1071.0
Our File Nos.: S-972-1, EMS
020-17-08-11-00
020-17-08-11-0N

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

Attention: Shannon Kohler, Director

**RE: MONTHLY PROGRESS REPORT FOR INTERIM PHOSPHOROUS REDUCTION AND
THE NEWPCC UPGRADE**

Please find the attached monthly progress reports for the 'Interim Phosphorous Reduction Plan' and the Upgrade of the NEWPCC to Meet All Licence Conditions. These reports are for the month of December 2020.

Should you have any questions on the 'Interim Phosphorous Reduction Plan', please contact me at 204-986-4904 or by email at mpaetkau@winnipeg.ca.

Should you have any questions on the 'Upgrade of the NEWPCC to Meet All Licence Conditions' please contact Colin Javra at 204-471-1765 or by email at cjavra@winnipeg.ca.

Sincerely,

M. Paetkau, P. Eng.
Acting Branch Head of 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 #11 January 15, 2020

Interim Phosphorous Reduction Plan.

The following key elements have been completed during the month of December 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 Benchscale Testing, RFP No. 1179-2019:
 - Preliminary Modeling
 - Computer simulations for average conditions are complete.
 - Jar Testing:
 - Annual average jar testing is complete
 - Maximum month jar testing will be done in spring 2021
 - Some additional follow up testing on interim phosphorous removal may continue in Q1 2021
 - Design and costing
 - Conceptual design is complete and an AACE Class 4 cost estimate has been developed
 - Schedule
 - A report summarizing activities to date and recommendations for Interim P Removal was submitted to the provincial government on December 21, 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:

- The City will meet with members of the Project Advisory Committee in January 2021 to review the Interim Phosphorous Removal Report that was submitted to the province
- The City will review the findings of the Interim Phosphorous Removal Report with City Council
- Some additional testing will continue in Q1 2021
- Testing during maximum month flows will occur in spring 2021; a final Interim Phosphorous Removal Report will summarize the findings

Submitted to: Manitoba Conservation and Climate

Submitted by:

Michelle Paetkau, P.Eng.

File Numbers:

Client File No: 1071.10

WWD: S-1146, S972, EMS, 020-17-08-11-00, 020-17-08-11-0N

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

Progress Report Date: Report #11 January 15, 2020

Upgrade of the NEWPCC to Meet All Licence Conditions.

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

- Please refer to previous progress reports for a complete history
- The Power Supply project has completed the 30-day test period and has been commissioned
- 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 commissioned and operating. Total performance hand over to occur following training and O&M submittals
- 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.