



February 1, 2022

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Our File Nos.: S-972, S-1146, EMS
020-17-08-11-00
020-17-08-11-0N

Environment, Climate and Parks
Environmental Stewardship Division
Environmental Approvals Branch
1007 Century Street
Winnipeg, MB R3H 0W4

Attention: Laura Pyles, A/Director

**RE: NEWPCC UPGRADE PROJECTS REPORT NO. 3 – REPORT FOR OCTOBER 1 TO
DECEMBER 31, 2021 – ENVIRONMENT ACT LICENCE NO. 2684 RRR AND INVESTING
IN CANADA INFRASTRUCTURE PROGRAM GIS-EQ-1087**

The City of Winnipeg is submitting the Quarterly Report No. 3 for the period of October 1 to December 31, 2021 for the North End Sewage Treatment Plant (NEWPCC) Upgrade Projects. This report is to satisfy conditions identified in the Environmental Act License No. 2684RRR as required by Manitoba Conservation and Climate on May 28, 2021, and Investing in Canada Infrastructure Program (ICIP) GIS-EQ-1087 letter dated June 2, 2021. The work tasks required to complete the NEWPCC Upgrades to meet the Environmental Act License requirements are summarized in this report.

The works to be conducted as part of the NEWPCC upgrades include the Power Supply and Headworks Facilities, Biosolids Facilities, and Nutrient Removal Facilities projects.

The following key elements were completed during this Period

Headworks Facilities

- The Power Supply project has been commissioned and training completed. Submission of O&M manuals are ongoing to fulfill total performance, expected by February 2022.
- Red River Solutions (RRS) is mobilizing to site.
- RRS preconstruction assessments, geotechnical investigation and topographic surveys for the Headworks Facilities on NEWPCC site completed.
- Laydown and office complex set up is complete.
- Realignment of Highland Avenue is complete.
- 60% Design Submittal packages are being submitted and reviewed with comments returned to RRS.
- Test piles program conducted which includes Pile Driving Analysis (PDA) and vibration monitoring conducted.
- Headworks contractor is currently on schedule.

Biosolids and Nutrient Removal

- The Design Build Finance market sounding interviews, as part of the detailed procurement /delivery analysis for Biosolids and Nutrient Removal Facilities, was completed. The City did not study a procurement method where a private entity will take over operations and maintenance activities.
- Updates to preliminary design, by AECOM, for Biosolids was submitted incorporating revised population estimates for 2050.
- Comments on the draft preliminary design report for Biosolids have been provided to AECOM.
- Third party firm Hanscomb has been engaged to provide an independent review the construction estimate provided by AECOM.
- ICIP funding has been submitted to the Federal Government by the Province.
- The Nutrient Removal Project currently remains unfunded.

Table 1. Tasks and Critical Milestones for NEWPCC Upgrade Projects

Deliverable	Description	% Previously Reported	% Currently Complete	Original Targeted Completion Date	Revised Targeted Completion Date	Actual Completion Dates
Headworks Facilities	Procurement and Contract award	100%	100%	June 30, 2021		June 11, 2021
	DB Mobilization Complete	30%	100%	December 31, 2021		December 15, 2021
	Design Completion	30	40	May 19, 2023		
	Construction Completion	0%	2%	June 30, 2025		
	Commissioning Complete	0%	0%	March 31, 2025		
	Substantial Completion	0%	0%	June 30, 2025		
Biosolids Facilities	Updated Preliminary Design & Procurement Strategy	30%	85%	December 31, 2021	January 31, 2022	

	Procurement and Contract Award	0%	0%	December 31, 2023		
	Substantial Completion	0%	0%	September 30, 2029		
Nutrient Removal Facilities	Updated Preliminary Design	0%	0%	September 30, 2023		
	Procurement and Contract Award	0%	0%	June 30, 2026		
	Substantial Completion	0%	0%	June 30, 2032		

Should you have any questions please contact me at 204-986-4480 or by email at cjavra@winnipeg.ca.

Sincerely,



Colin Javra, P. Eng.
Project Director Winnipeg Sewage Treatment Program

Attachment

CJ/dr

- c: K. Harman., Environment, Climate and Parks (email)
- Y. Hawryliuk, MSc, Environment, Climate and Parks (email)
- B. Assefa, P. Eng., Environment, Climate and Parks (email)
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Excavation of Grit Building



Funding Signage



Grit Building Excavation



Test Pile Installation