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

Attention: Laura Pyles, A/Director

**RE: INTERIM PHOSPHOROUS REMOVAL QUARTERLY REPORT FOR JULY, AUGUST,
SEPTEMBER 2021**

The City of Winnipeg is submitting a Quarterly Report for the periods of July, August, and September (third Quarter) of 2021 in accordance with the conditional approval of the Notice of Alteration for the North End Sewage Treatment Plant (NEWPCC).

July

In June of 2021, the City finalized the terms of reference and 'request for proposal' (RFP) for the construction and commissioning of infrastructure needed for interim phosphorous removal. The RFP was posted at the end of July.

August

In August, the RFP for interim phosphorous removal was open to bids from prospective consultants. A site investigation with bidders was held at the NEWPCC site and the tender closed on August 31, 2021.

September

In September, the City reviewed bids on the Interim Phosphorous Removal contract. The bids were evaluated and KGS Group was awarded the contract on September 28, 2021.

Below is the schedule for Interim Phosphorous Removal, current to the end of September 2021. The schedule will be updated and revised when KGS Group finalizes their project schedule in October.



Table 1. Schedule of Interim Phosphorous Removal

Deliverable	Description	Contractual Dates	% Previously Reported	% Currently Complete	Originally Projected Date	Revised or Completed Date	Work Remaining
Consultant RFP	Draft, review, post for tender	N/A		50%	July 2021	July 31, 2021	Project tender documents to be finalized prior to posting
	Evaluation, Admin Report, Approvals, Award	N/A		100%	September 30 – 2021	September 28, 2021	Complete, awarded
Preliminary Design	PD plus reviews and approval by WWD	To be confirmed when contract awarded		0%	March 31 – 2022		Kickoff meeting, risk review, preliminary design
Detailed Design	DD plus reviews and approval by WWD	To be confirmed when contract awarded		0%	June 30 – 2022		
Construction Tender	Draft, review, post for tender	To be confirmed when contract awarded		0%	June 30 – 2022		
	Tender posting period			0%	June 30 – 2022		
	Award Recommendation, Admin Report, Approvals, Award			0%	June 30 – 2022		
Construction and Commissioning	Substantial Performance	To be confirmed when contract awarded		0%	June 30 – 2023		
	Total Performance			0%	September 30 – 2023		
	Warranty Period			0%	December 31 – 2024		
Full Scale Testing and Implementation	Process review, dosing estimates, trouble shooting, optimization	To be confirmed when contract awarded		0%	December 31 – 2024		



Deliverable	Description	Contractual Dates	% Previously Reported	% Currently Complete	Originally Projected Date	Revised or Completed Date	Work Remaining
Closeout	Certificate of Acceptance	To be confirmed when contract awarded		0%	December 31 – 2024		

Phosphorous Optimization in Sequencing Batch Reactors

The NEWPCC Operators have maximized ferric dosing to the SBRs based on the existing ferric chloride pumping capacity. The average effluent phosphorous load for 2021 is 41 kg per day and corresponds with an average effluent concentration of 18.5 mg/L. This is less than the 119 kg/d licence limit specified in Clause 27 of the NEWPCC Licence No. 2684RRR.

The NEWPCC operators will continue to maximize ferric dosing to the sequencing batch reactors and monitor results. Further optimization will occur as part of the Interim Phosphorous Removal Project.

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

Sincerely,



Michelle Paetkau

MP/dr

- c: Eshetu Beshada, P. Eng., Manitoba Conservation and Climate (email)
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