

**MONTHLY PROGRESS REPORT BY PROJECT STEERING COMMITTEE**  
**CITY OF WINNIPEG - NORTH END WASTEWATER TREATMENT PLANT UPGRADE PROJECT**

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**Progress Report Date: Report #7 September 9, 2020**

**Objective 1:** Oversee implementation of the Interim Phosphorous Reduction Plan.

**The following key elements have been completed to date to meet the due date for Objective 1:**

- Please refer to previous progress reports for a complete history.
  - Although the PAC did not meet in July and August, the PSC continued to meet regularly throughout the summer. The Project Steering Committee (PSC) Co-chairs presented at the Project Advisory Committee (PAC) Meeting September 2<sup>nd</sup>, 2020. AECOM also attended this meeting to answer questions from the PAC.
    - Findings from the alternative chemical analysis and preliminary modeling were discussed during this meeting.
- Project Steering Committee meetings were held August 11, 18 and 25. PSC meetings have been increased to weekly as of August 11<sup>th</sup>.
- 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:
    - A report summarizing the alternative chemical analysis and preliminary modeling results was presented and discussed with the Project Steering Committee at PSC Meeting #19 on August 25<sup>th</sup>.
    - 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 and is finalizing its modeling protocol with respect to COVID
    - Design and costing
      - AECOM has conducted site investigations and is reviewing design options for the three interim phosphorous removal scenarios.
      - AECOM is conducting 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:
    - University of Manitoba laboratory facilities received their biosafety hazard permit approval for Jar testing on August 31<sup>st</sup>, 2020.
    - Wastewater sampling and jar testing as per the original scope of work is anticipated to begin mid to late September.
    - The University of Manitoba is currently reviewing options to test for the presence of COVID. Federal funding to support these efforts via an NSERC Grant has been approved.

**The following key next steps are being carried out to meet the due date for Objective 1:**

- The Project Steering Committee will continue to meet weekly.
  - September 1 and 8 meetings will review the schedule and scope details of draft report
- The Interim Phosphorous Reduction Plan and a Nutrient Removal Plan for the North End Sewage Treatment Plant schedules will be reviewed and an updated plan with timelines will be submitted to the Project Advisory Committee by September 30, 2020

**Submitted to: Project Advisory Committee, NEWPCC Upgrade Project**

**Submitted by:**

NEWPCC Upgrade Project Steering Group Committee,  
Co-Chairs: Michele Paetkau, P.Eng., Siobhan Burland Ross, P.Eng.

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**Progress Report Date: Report #7 September 9, 2020**

**Objective 2:** Oversee progress of the implementation plan for the complete upgrade of the NEWPCC to meet all licence conditions.

**The following key elements have been completed to date to meet the due date for Objective 2:**

- Please refer to previous progress reports for a complete history.
- 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.
- Digester 11 Rehabilitation: digester commissioning has been completed and the digester is currently operational.
  - The process performance continues to be monitored for ongoing stability and operation.
  - No issues in operation have been encountered to date.
- The Project Advisory Committee provided input on what they would like to see addressed in the September report.
  - The Project Steering Committee has reviewed this request and has proposed that the requested information be provided to the committee in one or more of the monthly update reports, the September 30 schedule review report, or the AECOM design summary anticipated at the end of 2020.
  - The attached document proposes how the requested information will be incorporated into these reports.

**The following key next steps are being carried out to meet the due date for Objective 2:**

- September 1 and 8 meetings will review the schedule and scope details of draft September 30, 2020 report
- The Interim Phosphorous Reduction Plan and a Nutrient Removal Plan for the North End Sewage Treatment Plant schedules will be reviewed and an updated plan with timelines will be submitted to the Project Advisory Committee by September 30, 2020.
- The Project Steering Committee will meet with the Project Advisory Committee on September 23<sup>rd</sup>, 2020

**Submitted to: Project Advisory Committee, NEWPCC Upgrade Project**

**Submitted by:**

NEWPCC Upgrade Project Steering Group Committee,  
Co-Chairs: Michele Paetkau, P.Eng., Siobhan Burland Ross, P.Eng.

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