

Environment and Climate

Environmental Compliance and Enforcement
Box 36, 14 Fultz Blvd.
Winnipeg MB R3Y 0L6
T 204-945-7100
ECEBranch@gov.mb.ca

Client File: 3205.10

September 11, 2024

Chris Carroll, P.Eng., MBA
Manager of Wastewater Services Division
110-1199 Pacific Avenue
Winnipeg Manitoba R3E 3S8
Email: ccarroll@winnipeg.ca

Dear Chris Carroll:

RE: Combined Sewer Overflow (CSO) 2023 Annual Report

Environment and Climate Change reviewed the 2023 Combined Sewer Overflow (CSO) Annual Report, dated April 5, 2024, which was submitted as per the requirements of Clause 13 of Environment Act Licence No. 3042.

The department has noted the following during the review:

1. CSO percent capture increased from 75% to 76% in 2023, based on the 1992 representative year. This was due to:
 - Improved hydraulic modelling
 - Capital improvements for Ferry, Jefferson, and Cockburn completed contracts.
2. A review of the funding plan is ongoing.
3. Total number of CSO events for 2023 was 1039 with an estimated volume of 5369 ML.
4. Rainfall in 2023 was 313 mm total, with 201 mm during the recreational season. This was 13% lower than the 1992 representative year.
5. River elevations were higher in 2023 compared to the 1992 representative year from mid-April to mid-June then returned to 1992 levels from mid-June to September.
6. Approximately 6% of total annual sewage flows were lost to overflows in 2023.
7. A total of \$28,000,000 was budgeted in 2023 for CSO capital projects, with an additional \$59,000,000 held over from 2022 for Ferry Road Contract 6. Total cost to achieve the 85% diversion is \$2,300,800,000 (in 2019 dollars).
8. A total of nine projects were awarded in 2023, including five for NEWPCC, one for SEWPCC and three for the overall system.

9. An increase of 844 m³ of runoff was a result of new small developments. This was offset by the 60,972 m³ runoff reduction from sewer separation as projected by the model maintenance updates. These measurements are independent of the percent capture performance.
10. Appendix B is listed as 2024 Ongoing/Completed Capital Projects. This should be 2023 Ongoing/Completed Capital Projects.
11. Financial planning is based on city-only funding scenario. If funding from other levels of government is needed to meet the 2045 deadline, it is critical that such funding requests are made. This department is not aware of any such requests for funding.
12. Appendix E indicates that in 2023, work was ongoing for Armstrong, Ferry, Hawthorne, Jefferson, Riverbend, St. John's, and Cockburn. Work on Jessie was anticipated to begin in 2023. It would be helpful to include, in the body text of the report, details on the work that was completed and initiated during the reporting year.

If you have any questions, please contact Sonja Bridges, A/Regional Supervisor at 204-918-4271, or by email: Sonja.Bridges@gov.mb.ca

Yours sincerely,

A black rectangular box redacting the signature of Yvonne Hawryliuk.

Yvonne Hawryliuk
A/Director

- c. Michael A. Jack, CAO, City of Winnipeg MJack@winnipeg.ca
Cynthia Wiebe CWiebe@winnipeg.ca Renee Grosselle RGrosselle@winnipeg.ca Susan Lambert
SLambert@winnipeg.ca Michelle Paetkau, MPaetkau@winnipeg.ca Water & Waste Department, City
of Winnipeg
Kelly-Anne Richmond, Joy Kennedy - Water Science & Watershed Management
Agnes Wittmann, Siobhan Burland Ross, Barsha Sagan - Environmental Approvals Branch
Kristy Forrestall, Sonja Bridges - Environmental Compliance and Enforcement Branch
Public Registry