

Environment and Climate

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August 1, 2023

Chris Carroll, P.Eng., MBA
Manager of Wastewater Services Division
110-1199 Pacific Avenue
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Email: CCarroll@winnipeg.ca

Dear Chris Carroll:

RE: Combined Sewer Overflow (CSO) 2022 Annual Report

Environment and Climate reviewed the 2022 Combined Sewer Overflow (CSO) Annual Report, dated March 31, 2023, 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 remained at 75% in 2022.
2. A Request for Proposal (RFP) was issued in January 2023 for the proposed water quality monitoring and sampling that will occur in the 2023 open water season.
3. Increased the number of CSO instrumented locations from 45 to 46.
4. There is a significant increase in 2022 for both the number of CSO events and overall CSO volume. There were 2,046 CSO events with an estimated sewage discharge of 27,524ML.
5. Seven CSO-related projects were awarded in 2022 according to Table 8.
6. Four sewer separation-related capital projects were completed on Ferry Road, Jefferson East, and Cockburn Sewer Districts. There were seven ongoing sewer separation projects.
7. Ten capital projects on sewer separation and basement flood relief are planned to be awarded in 2023 according to Table 9. It is also noted that Table 9 is erroneously titled "2022 Planned Project Milestones" instead of "2023 Planned Projects Milestones".
8. Sewer separation and new land drainage sewers were installed along Main Street between Kingsbury Avenue and Jefferson Avenue. According to sewer separation projects in progress, the Jefferson East sewer separation project will result in an estimated 46,264m³ and Cockburn/Calrossie sewer separation project will result in an estimated 14,198m³ in volume reduction, once they are completed.

9. In 2022, there was an estimated cumulative increase of 1,140m³ of Combined Sewer volume resulting from small-scale developments. However, no details were provided on the impacts of large-scale developments.
10. Based on completed sewer separation work as outlined in Table 16, the net effect of the cumulative reduction in Combined Sewer volume since 2014 is now 51,936m³ down from 53,076m³ last year as the cumulative increase of 1,140m³ of Combined Sewer volume resulting from small-scale developments is deducted. However, it is noted according to Table 17, this same volume is again deducted from CSO volume reduction gained from sewer separation work in progress for this component too.
11. It is noted that projects used to offset increases in CSO volumes due to developments to comply with clause 8 requirements are also included in the overall percent capture calculations within the report. These projects must be excluded from the overall percent capture calculation.
12. The web-based Public Notification system provides up-to-date information on current and forecasted CSO events. It was available to the public July 2022.
13. In 2022, additional Green Infrastructure project opportunities were reviewed in the Armstrong Preliminary Design report.
14. The report indicates that the project requires funding support from both provincial and federal governments by 2023 to comply with the 2045 deadline. However, the report does not state whether funding requests were made to provincial and federal governments. The City of Winnipeg is responsible for securing the necessary funding and to comply with the 2045 deadline.

Projects used to offset increases in CSO volumes due to new developments in order to comply with clause 8 requirements cannot be included in the overall percent capture calculations. Double counting must be avoided.

The CSO annual report is intended to demonstrate the progress made over the preceding year. The 2022 report was more focused on the progress made in the reporting year than previous reports. It is Environment and Climate's expectation that future submissions of annual reports will continue to be drafted to provide highlights of the progress made in the previous 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,



Yvonne Hawryliuk
A/Director

- c. Michael A. Jack, CAO, City of Winnipeg
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