



COMMUNICATION UPDATE

TO:	Mayor and Members City Council
DATE:	April 8, 2022
SUBJECT:	Annual Corrosion Control Program and Wastewater Treatment Facility Performance Reports Posted to City Website (City Wide) (HW.22.01)
WARD(S) AFFECTED:	City Wide
SUBMITTED BY:	Nick Winters Director, Water and Wastewater Operations Public Works Department
SIGNATURE:	

This notification is to advise you that Hamilton Water has posted the following annual reports on the City website similar to the posting of the Drinking Water Quality Annual Report:

- 2021 Corrosion Control Program – Annual Report (Posted on the following two website pages: <https://www.hamilton.ca/waterquality> and <https://www.hamilton.ca/corrosioncontrol>)
- 2021 Wastewater Treatment Facilities Annual Report: <https://www.hamilton.ca/sites/default/files/media/browser/2022-04-07/2021-wastewater-treatment-facilities-annual-report.pdf> or <https://www.hamilton.ca/home-property-and-development/water-sewer/wastewater-collection-treatment>

2021 Corrosion Control Program – Annual Report

This report is an annual evaluation report that is provided to the Ontario Ministry of the Environment, Conservation and Parks (MECP), as per Schedule C of the City of Hamilton's Municipal Drinking Water Licence Number: 005-101 Issue 9; as per Part V of the Safe Drinking Water Act, 2002. The report assesses the effectiveness of the Corrosion Control Program within the City's Woodward Avenue Drinking Water Subsystem and outlines the activities undertaken by the City in the calendar year.

OUR Vision: To be the best place to raise a child and age successfully.

OUR Mission: To provide high quality cost conscious public services that contribute to a healthy, safe and prosperous community, in a sustainable manner.

OUR Culture: Collective Ownership, Steadfast Integrity, Courageous Change, Sensational Service, Engaged Empowered Employees.

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The 2021 evaluation report highlights the Post-Implementation sampling and monitoring activities, illustrating the observed effectiveness of this program and highlights the following:

- Lead results and a summary of any key corrosion control parameters
- A technical evaluation of the effectiveness of corrosion control measures
- A summary of lead levels and other metals monitored since implementation of corrosion control, and comparison to Pre-implementation levels
- An evaluation of secondary impacts as a result of corrosion control implementation
- Summary of results of all other aspects of the City's lead mitigation strategy

This annual evaluation report is the third report submitted to the MECP from the City since program implementation in November 2018. Prior to the implementation of the program, the City had an extensive outreach program to various partners, including industry and residential users. Through this outreach, the City advised users on the development of a monitoring program to measure success of the Corrosion Control Program and ensure that a stable level of lead protection is achieved.

As we entered the third year of the program in 2021, the City saw an increase in inquiries on the City's monitoring program. The posting of this 2021 Corrosion Control Program – Annual Report to the City Website serves as an avenue to present the details and results of the monitoring program to the public. The City will continue to post this Corrosion Control Program – Annual Report annually as an opportunity to update interested parties on the progress of this program.

2021 Wastewater Treatment Facilities Annual Report

The environmental approvals for the Woodward Wastewater Treatment Plant, Dundas Wastewater Treatment Plant and select Wastewater Collection Facilities require the submission of annual reports to the Ontario Ministry of the Environment, Conservation and Parks (MECP) by March 31. In addition to the Wastewater Treatment Plants, the COH operates 71 sewage pumping stations and nine (9) combined sewer overflow (CSO) tank facilities and is required to report the performance of the following facilities as a result of conditions within the individual facilities' environmental approvals:

- HCS01/HCS06: Greenhill CSO Tanks
- HCS02: Strachan CSO Tank
- HCS03: James CSO Tank
- HCS04: Main/King CSO Tank
- HCS05: Eastwood CSO Tank

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- HCS07: Red Hill CSO Superpipe
- HCS08: Royal CSO Tank
- HCS09: McMaster CSO Tank
- HC018: Twenty Road Wastewater Pumping Station
- HC019: English Church Wastewater Pumping Station
- HC027: Homestead Wastewater Pumping Station
- HC058: Binbrook Wastewater Pumping Station

Hamilton Water has consolidated all of these requirements into one (1) annual report called the 2021 Wastewater Treatment Facilities Annual Report.

The report summarizes the following activities for 2021:

- Improvements to the facilities
- Regulatory instruments
- Monitoring and analytical data
- Operating problems and corrective actions
- Maintenance activities
- Effluent quality assurance
- Monitoring equipment calibration and maintenance
- Design objectives
- Sludge generation
- Quality of landfill leachate
- Summary of complaints
- Summary of bypass events, spills and abnormal discharge events
- Notice of modifications
- Effort made to achieve compliance with MECP Guideline F-5-1 and Procedure F-5-5
- Changes or updates to the Woodward Upgrades Program construction schedule

Hamilton Water is committed to ensuring that we are open, transparent and accessible and proactively posted this report on the City's website for public viewing. It is anticipated that reporting requirements will be expanded to include all wastewater collection system facilities with the development of the new Wastewater Combined Linear Infrastructure Environmental Compliance Approval to be issued later this year. In addition, the MECP plans to require the annual performance report to be made available to members of the public without charge by publishing the report on the Internet, if the Owner maintains a website on the Internet.

As always, your ongoing support is greatly appreciated as this important information is shared publicly.

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Should you have any questions regarding this update, please contact Nick Winters,
Director of Hamilton Water (Acting), (905) 546-2424 Extension 1474.

APPENDICES AND SCHEDULES ATTACHED

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