



Hamilton

SEWER USE BYLAW 14-090 PROPOSED AMENDMENTS

Public Works Committee

April 22, 2022

SEWER USE BY-LAW

UPDATE



Overview

History

Proposed Amendments

Public Engagement

Next Steps

WHAT IS THE SEWER USE BYLAW ?

Regulates the discharge of water and wastewater that enters the City's Sewage Works by:

- Establishing **limits for common pollutants**
- Establishing a list of **prohibited substances**
- Identifying **requirements** that users have to meet in order to **discharge**
- Enabling the City to monitor and **reduce the impact of spills**
- Enabling the City to **monitor and control discharges**
- Enables the City to enter on private lands to **enforce by-law** (Orders, POA Part 1 tickets, POA Part 3 charges, Direction to provide reports or take corrective actions)



SEWER USE BYLAW HISTORY

1989: R89-049

- Based on Ministry of the Environment 1988 Model Sewer Use Bylaw

2004: 04-150

- Consolidating former Regional bylaws to New City of Hamilton Bylaw
- Chloride and Sulphate limits
- Updated per Municipal Act 2001
- Added Organic limits

2014: 14-090

- Administrative Rewrite
- Pollution Prevention
- Pretreatment Works
- Efficient Permitting process
- Ticketable Offences

2022:
Amendments

- Parameter updates
- Construction Dewatering Program
- Administrative updates

PARAMETER UPDATES

Sanitary /Combined Discharges (Schedule B)	Parameter	Existing Limit (mg/L unless stated)	Proposed Limit (mg/L unless stated)
Sanitary /Combined Discharges (Schedule B)	Zinc	3	2
	Bis(2-ethyl) Phthalate (DEHP)	0.012	0.28
	pH	5.5 - 9.5 pH	6 – 11 pH
	Temperature	65°C	60°C
	Sulphide (as H ₂ S)	NA	1
Storm Discharges (Schedule C)	Zinc	3	0.5
	Chromium	1	0.08
	Lead	1	0.12
	Nickel	1	0.08
	Copper	1	0.05
	Cadmium	1	0.008
	Phosphorus	NA	0.4
	pH	5.5 - 9.5 pH	6 – 11 pH
	Temperature	65°C	60°C

CONSTRUCTION DEWATERING

WE ARE HAMILTON. WE ARE READY.

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Hamilton, Ontario, Canada. The nation's most diversified economy, the fastest growing mid-sized city for tech talent and a fantastic community approach to supporting investment big and small.

Development Applications

- 939 Development Application reviews in 2021
- GRIDS II
- A Place to Grow Policy
- Downtown Secondary Plan
- Provincial Intensification Targets

- Oversight of temporary discharges to sewer to facilitate construction activities (all sewer types)
- Hamilton Water identified 240 development files that will likely require dewatering (Q1 2022)
- Sustainable conveyance system operation
- Water Quality
- EEO FTE started mid 2021 to support Open for Business and initiate construction dewatering program integration. \$130K recovered in 2021
- 2nd FTE approved in 2022 to support strategy

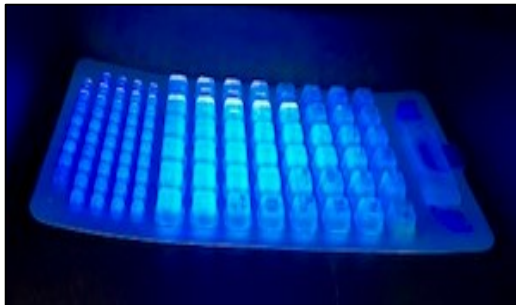
Regulatory Challenges

- F-5-5 compliance
- Capacity allocation in the combined system - MECP direction regarding downstream impacts and approvals
- Stormwater source control strategy
- New Wastewater and Stormwater collection Consolidated Linear Infrastructure Environmental Compliance Approvals

ADMINISTRATIVE UPDATES

E. coli Test Method

- Current unit of measurement – Colony Forming Units (CFU) per 100 milliliter
- Existing limit 2400 CFU per 100 milliliter
- E. coli method change as a result of process improvement initiative by City of Hamilton Laboratory
- New method – (Quanti-Tray Most Probably Number (MPN) Analysis)
- Proposed amendment – E. coli limit 2400 MPN per 100 milliliter



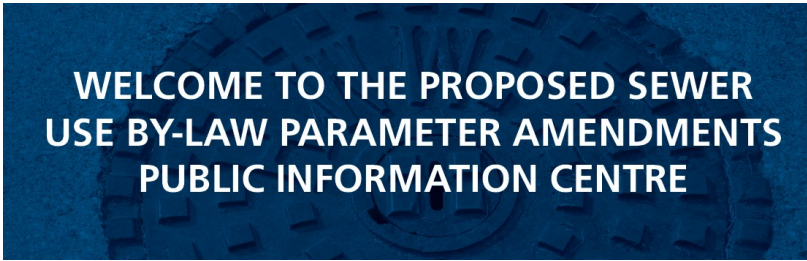
Schedule D

- New Eastport Dr Wastehauler Station
- Located at Eastport Drive and Pier 25 Gateway S
- Capital Works completed in 2021



PUBLIC ENGAGEMENT

PUBLIC INFORMATION CENTRES	LOCATION / AVENUE
October 24, 2019	City Hall – 71 Main Street West
October 29, 2019	700 Woodward Avenue, Admin Building
August 6 to October 15, 2021	Engage Hamilton Platform - Virtual

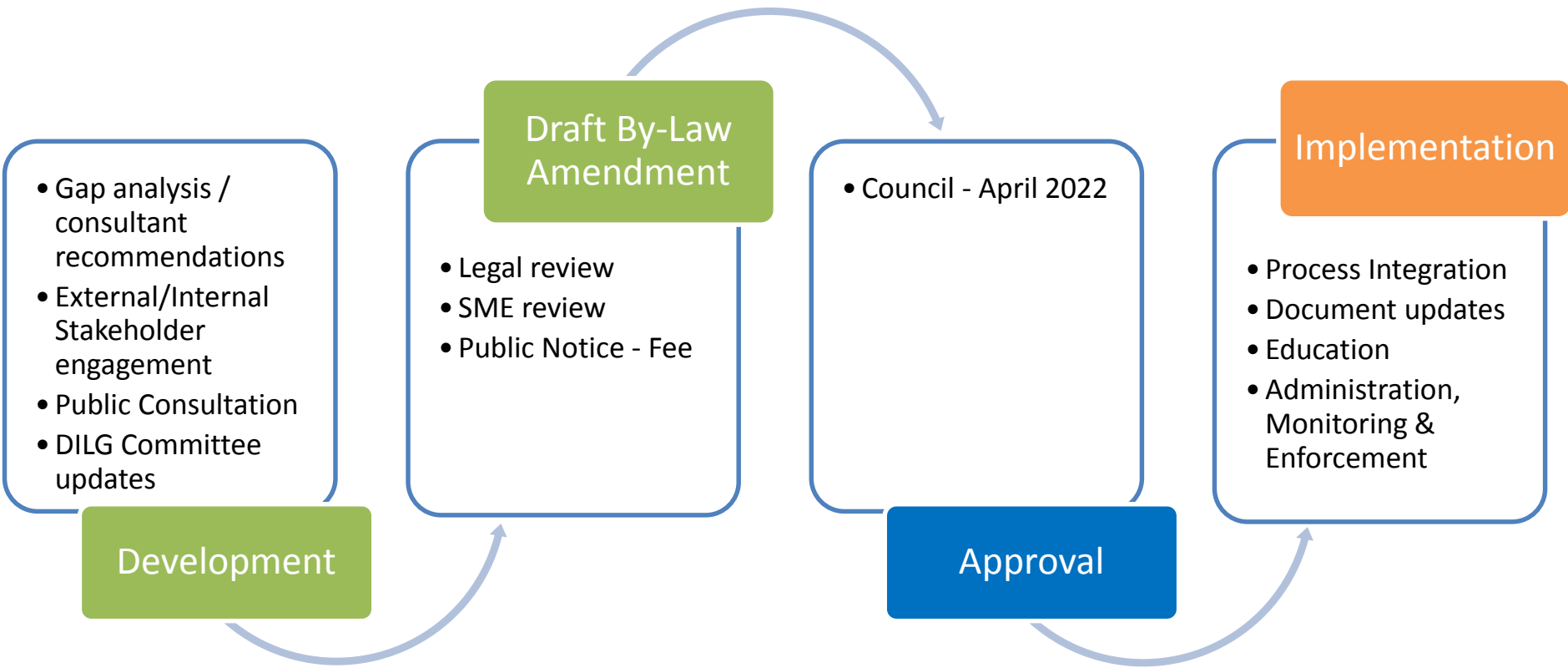


Relevant Consultations:

- Industries monitored by the Sewer Use program
- Current SUB permit holders
- Septic haulers and generators
- Developers/builders and Building associations
- Local business
- Development Industry Liaison Group (DILG)
- Mayor Eisenberger and Members of Council
- City staff



SEWER USE BYLAW AMENDMENT NEXT STEPS





THANK YOU

Reference Information

www.hamilton.ca/sewerusebylaw

<https://engage.hamilton.ca/sewerusebylaw>

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