



July 29, 2024

Mark Bainbridge
Director
Water & Wastewater Planning and Capital
City of Hamilton, Public Works Department
100 King St W, 9th Floor
Hamilton, ON L8P 1A2

RE: Dundas Wastewater Treatment Plant (WWTP) Effluent Phosphorus Concentration

Dear Mark:

Thank you for your inquiry about the Hamilton Harbour Remedial Action Plan (HHRAP) recommended phosphorus concentration target for the Dundas Wastewater Treatment Plant (WWTP). The Cootes-Grindstone Water Quality Targets Subcommittee recommended a total phosphorus target of 0.05 mg/L TP effluent concentration for the Dundas WWTP as outlined in a 2017 report titled ***Recommended Total Phosphorus Target for the Dundas Waste Water Treatment Plan: Towards Achieving a Healthy Cootes Paradise Marsh and Delisting as an Area of Concern*** (enclosed).

The report summarizes the potential benefits that upgrades to reduce phosphorus loads from the Dundas WWTP to West Pond may have on the water and habitat quality of Cootes Paradise Marsh, including a modelled reduction of ambient total phosphorus concentration of up to 20%.

The HHRAP Coordinating Committee supports the Cootes-Grindstone Water Quality Targets Subcommittee recommendation and advises that the total phosphorus target of 0.05 mg/L TP effluent concentration at the Dundas WWTP be adopted and maintained. We recognize the reduction in effluent total phosphorus as critical to achieving HHRAP restoration goals for water quality and aquatic habitat in Cootes Paradise Marsh. The HHRAP Coordinating Committee also supports reductions of total suspended solids and total ammonia nitrogen that are consistent with best available technology.

I trust this direction allows the City to move forward with the process of initiating the Dundas WWTP replacement.

Sincerely,

A handwritten signature in blue ink that reads "Kristin M. O'Connor".

Kristin O'Connor
Coordinator
Hamilton Harbour Remedial Action Plan