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April 25, 2023

Dr. Rachael Fletcher, Director (Acting), Central Region  
Ministry of the Environment, Conservation and Parks  
Place Nouveau  
5775 Yonge Street, Floor 8  
North York, Ontario M2M 4J1

Dear Dr. Fletcher:

**RE: Durham York Energy Centre  
Submission of the 2022 Annual Groundwater and Surface Water Monitoring Report  
Environmental Compliance Approval 7(14)  
MECP File #: EA-08-02**

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In accordance with Condition 7(14) of the Environmental Compliance Approval (ECA), the Regional Municipality of Durham and the Regional Municipality of York (Regions) are pleased to submit the Durham York Energy Centre (DYEC) 2022 Annual Groundwater and Surface Water Monitoring Report. Annual monitoring reports are submitted to the Ministry of Environment, Conservation and Parks (MECP) on or before April 30 of each year in accordance with the letter from the MECP Central Region Director to the Regions dated March 4, 2013. This submission will be forwarded to the Energy from Waste Advisory Committee for information in accordance with EA Condition 8.8(b) and posted to the DYEC website in accordance with ECA Condition 7(14)(c).

The 2022 Annual Groundwater and Surface Water Monitoring Report was prepared by an independent and suitably qualified environmental consulting firm, RWDI Air Inc. (RWDI). Based on RWDI's review of the monitoring data in 2022, RWDI has concluded that DYEC operations have not had an adverse effect on groundwater quality at the DYEC site. Groundwater analytical results for the required parameters of analysis have consistently satisfied their respective Ontario Drinking Water Standard (ODWS) since monitoring began in 2012, with the exception of elevated chloride and sodium concentrations at Monitoring Well #4 (MW4), which are attributed to deicing salt influence.

The MECP granted permission to suspend surface water monitoring activities during the construction of the Highway 401/Courtice Road interchange via letter dated May 17, 2016. Surface water monitoring in Tooley Creek was not undertaken in 2022 due to ongoing construction.

We trust that the 2022 Annual Groundwater and Surface Water Monitoring Report meets the expectations of the MECP. If you require any further information, please contact Mr. Gioseph Anello, Director, Waste Management Services, at 905-668-7711 extension 3445.

Sincerely,

**Original signed by:**

Gioseph Anello, M.Eng., P.Eng., PMP  
Director, Waste Management Services

The Regional Municipality of Durham  
905-668-7711 extension 3445  
Gioseph.Anello@durham.ca

**Original signed by:**

Laura McDowell, P.Eng.  
General Manager,  
Interim Transition - Environmental  
The Regional Municipality of York  
905-830-4444 extension 75077  
Laura.McDowell@york.ca

- c. T. Gebrezghi, Director (Acting), Environmental Permissions Branch, MECP  
K. O'Neill, Director, Environmental Assessment Branch, MECP  
C. Dugas, Manager, York Durham District Office, MECP  
T. Belayneh, Supervisor, Ground Water Unit, and Supervisor (Acting), Surface Water Unit, MECP  
P. Dunn, Senior Environmental Officer, York Durham District Office, MECP  
D. Keene, Senior Environmental Officer, York Durham District Office, MECP  
J. Butchart, Issues Project Coordinator (Acting), York Durham District Office, MECP  
P. Martin, Supervisor, Air, Pesticides, and Environmental Planning, MECP  
T. Bell, Environmental Resource Planner and EA Coordinator, Environmental Assessment Services, MECP  
E. Lee, Environmental Resource Planner and EA Coordinator, Environmental Assessment Services, MECP  
G. Battarino, Special Project Officer, Project Coordination, Environmental Assessment Services, MECP  
L. Kwan, Environmental Specialist, Covanta  
Energy from Waste Advisory Committee (EFWAC)  
C. Raynor, Regional Clerk, The Regional Municipality of York  
A. Harras, Regional Clerk, The Regional Municipality of Durham