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March 11, 2015

Mary Hennessy, Director,
Environmental Assessment Services
Ministry of the Environment and Climate Change
2 St. Clair Avenue West, Floor 12A
Toronto, ON M4V1L5

and

Dolly Goyette, Director
Central Region
Ministry of the Environment and Climate Change
5775 Yonge Street, Floor 8
North York, ON M2M 4J1

Dear Ms. Hennessy and Ms. Goyette:

**RE: Durham York Energy Centre
Groundwater and Surface Water Facility Initiation Reports
(Environmental Assessment Condition 20)
MOECC File No.: EA-08-02**

In accordance with Condition 20.7 of the Environmental Assessment Notice of Approval (EA) and Section 4.3 of the approved Groundwater and Surface Water Monitoring Plan, the Regional Municipality of Durham and the Regional Municipality of York (Regions) are pleased to submit the enclosed Groundwater and Surface Water Facility Initiation Reports for the Durham York Energy Centre. These reports are required to be submitted within 30 days of first receipt of waste which occurred on February 9, 2015.

The water monitoring programs for the site were outlined in the Durham York Energy Centre Groundwater and Surface Water Monitoring Plan, prepared by Stantec Consulting Ltd, dated September 14, 2011, in accordance with Condition 20 of the Environmental Assessment (EA) for the site. To date, the groundwater monitoring component has been carried out by Genivar Inc, and WSP (formerly Genivar) and the surface water monitoring component has been carried out by Golder Associates. Both consulting firms used Certified Environmental Practitioners to prepare their annual reports.

The Regions have previously submitted Annual Groundwater and Surface Water Monitoring Reports covering monitoring activities in 2012 and 2013. The attached Facility Initiation Reports summarize all monitoring results obtained prior first receipt of waste from the start of the monitoring program in December 2011 through the end of 2014.

The 2014 Annual Groundwater and Surface Water Monitoring Report will be submitted under separate cover prior to April 30, 2015. The baseline pre-construction groundwater quality data gathered to date indicate that concentrations satisfy the Ontario Drinking Water Quality Standards, Objectives, and Guidelines (ODWQS) for the tested parameters. Surface water baseline pre-construction monitoring in Tooley Creek occurred during the Environmental Assessment study process. The report findings can be accessed in *Baseline Report Concentrations, Appendix B (Jacques Whitford)* at http://www.durhamyorkwaste.ca/Archive/pdfs/study/amended-ea-study-docs/Amended-HHERA-Report/APPENDIX-B-Baseline-Chemical-Concentrations_Dec09.pdf. Construction phase surface water monitoring focused on monitoring of erosion and sediment (E&SC) control and required that spills were properly contained, cleaned-up and monitored thereafter. The construction phase surface water E&SC measures undertaken and monitored throughout the construction monitoring phase indicate that there were no significant concerns with respect to facility construction on surface water conditions in the receiving swale (CN Rail ditch) and further downstream in Tooley Creek. All spills as a result of construction activity were recorded and dealt with appropriately as prescribed by the Ontario Environmental Act and Ontario Regulation 675/98 Classification and Exemption of Spills and Reporting of Discharges.

We trust that these facility initiation reports meet the MOECC's expectation as outlined in Condition 20 of the EA Notice of Approval.

If you require additional information, please contact the undersigned.

Sincerely,



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The Regional Municipality of Durham

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Energy from Waste Advisory Committee (EFWAC)
- D. Kelly, Regional Clerk, The Regional Municipality of York
- D. Bowen, Regional Clerk, The Regional Municipality of Durham

Encl.