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April 30, 2014

Agatha Garcia Wright, Director,  
Environmental Approvals Branch  
Ministry of the Environment  
2 St. Clair Avenue West, Floor 12A  
Toronto, ON M4V1L5

and

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

Dear Ms. Garcia Wright and Ms. Goyette:

**RE: Durham/York Energy from Waste Project  
Submission of the 2013 Annual Groundwater and  
Surface Water Monitoring Reports  
(Environmental Assessment Condition 20)  
MOE File No.: EA-08-02**

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In accordance with Condition 20.8 of the Environmental Assessment (EA), the Regional Municipality of Durham and the Regional Municipality of York (Regions) submit the 2013 Annual Groundwater and Surface Water Monitoring Reports. The 2013 Annual Groundwater and Surface Water Monitoring Reports detail groundwater and surface water monitoring activities which were undertaken during the facility construction period at the Durham York Energy Centre in 2013.

The Monitoring and Screening Checklists for the 2013 Annual Groundwater and Surface Water Monitoring Reports, as required by the Ministry of the Environment's (MOE) Technical Guidance Document (MOE, 2010), are included in this submission.

Separate consultants have been retained to prepare the 2013 Annual Groundwater and Surface Water Monitoring Reports. As Covanta Energy Corporation is responsible for facility construction and managing potential impacts to the site, they have retained Golder Associates Ltd. (Golder) to prepare the 2013 Annual Surface Water Report to ensure that erosion and sediment control measures during construction are effective, with the goal of mitigating impacts to Tooley Creek. Surface water activities began in May 2012 and have been carried out by Golder in accordance with section 3.0 of the approved Groundwater and Surface Water Monitoring Plan (Stantec, 2011) and address surface water and erosion and sediment control commitments made within the EA. The surface water quality sampling results throughout the monitoring program indicate that there are 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.

The 2013 Annual Surface Water Report noted that one spill from a transformer was reported to the MOE Spills Action Centre. The spill was promptly contained within the east stormwater management pond, which was not discharging to the receiving swale at the time. Several follow-up site visits were held to inspect and sample the pond to confirm that no synthetic mineral oil made its way to the receiving swale or Tooley Creek. The follow-up site visits and lab sample analysis confirmed there was no residual synthetic mineral oil in the receiving swale or Tooley Creek.

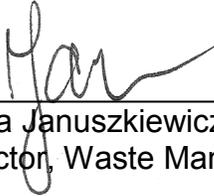
The Regions have retained WSP, formerly Genivar, to prepare the 2013 Annual Groundwater Monitoring Report to evaluate water quality conditions in accordance with section 2.0 of the approved Groundwater and Surface Water Monitoring Plan (Stantec, 2011). Groundwater monitoring commenced in early 2012 prior to construction to determine background water quality. The groundwater quality data indicate that concentrations satisfy the Ontario Drinking Water Quality Standards, Objectives, and Guidelines (ODWQS) for the tested parameters. Groundwater quality at each monitoring location is influenced by various factors including the soil type that the monitor is screened in, and historical land uses at the site. Further, there is no evidence that facility construction activities have negatively influenced the shallow groundwater quality.

The 2013 Annual Groundwater and Surface Water Monitoring Reports submission will be forwarded to the Energy from Waste Advisory Committee for information in accordance with EA Condition 8.8 (b).

In accordance with EA Condition 20.3 (d), the Regions would like to request a meeting with the Regional Director to discuss the results of the 2013 Annual Groundwater and Surface Water Monitoring Reports.

We trust that these reports meet the MOE's expectation as outlined in Condition 20 of the EA Notice of Approval. If you require additional information, please contact the undersigned.

Sincerely,



Mirka Januszkiewicz, P.Eng.  
Director, Waste Management

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LW/ms

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Encl.