



APPENDIX D

Environmental Monitor and Inspector Reports



Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report

Golder Project/Task#: 12-1151-0155_4000

Project Contacts	Mobile #s	E&S Monitoring Field Observations/Logistics	Field Staff: Laurence Patriguin
Courtnice Contact: Jim Delaney	1-860-422-6350	Date(s): 1:45 PM	Time(s) of EMI: (start-finish)
Courtnice Power Partners Site Contact: Jeff Bedard	416-574-5525	2:30 PM	
Courtnice Power Partners Alt Site Contact/H&S Coord: Janice Campbell	647-537-3779	APRIL 11/14	
Golder PM/Water Resources Engineer/CPEEC: Steve Auger	289-894-0556	Health & Safety PPE/Orientation (Y/N, details):	* NO MILKSNAKES SEEN DURING WALK
Golder Waste Services Contact/Local H&S Coordinator: Amy Burke	905-409-9355	Antecedent Weather Conditions:	
Golder PD/Senior Water Resources Engineer: Terry Winhold	416-473-2800	Other Notables:	
Golder Alt CEP/Field Specialist: Nick Gorski	416-802-6601		
Golder SW Field Specialists:			

Section 1: EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courtnice Power Partners

E&S Measures	Location	Deficiencies	Photos Taken (Y/N)	Notes/Observations/Recommendations
Perimeter Silt Fencing	Strategic, Down gradient Reaches Around Site Perimeter		Y	ALL PERIMETER SILT FENCE IN ORDER EXCEPT FOR SOUTHEAST CORNER.
Preservation of Natural Vegetation	All around site perimeter		Y	VEGETATION PROTECTED & HEALTHY
Vehicular Entrance to the site			Y	CLEAR OF DEBRIS
StockPiles (No s 1, 2, Working, Construction Fill)			Y	NO EROSION
Interceptor Swales, Including Rock Check Dams	Around Site Perimeter		Y	SWALES ARE CLEAR
Minor pumping/controlled discharge Efforts			Y	NO PUMPING AT TIME OF WALK
Additional E&S Measures: - Temporary Seeding, - Permanent Seeding, - Sod Stabilization, - Mulching, - Inlet Protection			Y	ALL MEASURES STILL IN PLACE



Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report				
Section 1 (continued): EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courtnor Power Partners				
E&SC Measure	Time of Observation (if notable/significant)	Deficiencies	Photos Taken (Y/N)	Notes/Observations (incl. during visit weather conditions)
West SWM Pond	—	—	Y	NO RUMPING AT TIME OF WALK. DISCHARGED THROUGH OUTFALL CHAMBER.
East SWM Pond	—	—	Y	NO RUMPING AT TIME OF WALK. DISCHARGED THROUGH OUTFALL CHAMBER.
Downstream Receiving Swale	—	—		—
Section 2: Surface Water and/or Spill Control Response Sampling Summary Rpt by Golder Associates Ltd.				
Surface Water Sampling Performed (Y/N):		Details:		
N		—		
SW Feature	Time of Inspection	Photos Taken	Notes/Observations (incl. during visit weather conditions)	
East SWM Pond	—	—	—	
West SWM Pond	—	—	—	
Downstream Receiving Swale	SW1 (US) Station: SW2 (DS) Station:	—	—	
Toolley Creek	SW3 (US) Station: SW4 (DS) Station:	—	—	
Sign-off				
Courtnor Power Partners Representative/EMI	Print Name <u>Laurence Patriquin</u>	Signature 		
Golder Field Representative/CEP	<u>Steve Moore</u>			
Covanta Representative:	<u>Dave Halliday</u>			



Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report			
Golder Project/Task#: 12-1151-0155_4000			
Project Contacts		Mobile #s	E&SC Monitoring Field Observations/Logistics
Covanta Contact:	Jim DeFaney	1-860-422-5350	Date(s): <u>April 17/14</u> Time(s) of EMI: <u>10:45am - 11:30am</u> Field Staff: <u>Laurence Patriguin</u>
Courtica Power Partners Site Contact:	Jeff Bedard	416-674-5525	(start-finish)
Courtica Power Partners All Site Contact/H&S Coord:	Janice Campbell	647-537-3779	
Golder PM/Water Resources Engineer/CPESC:	Steve Auger	289-894-0656	Health & Safety PPE/Orientation (Y/N, details):
Golder Waste Services Contact/Local H&S Coordinator:	Amy Burke	905-409-9355	Antecedent Weather Conditions: <u>* NO PIT/POUNCES SEEN AT TIME OF WALK *</u>
Golder PD/Senior Water Resources Engineer:	Terry Winhold	416-473-2800	
Golder All CEP/Field Specialist:	Nick Gorski	416-802-6801	
Golder SW Field Specialists:			Other Notables:

Section 1: EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courtica Power Partners

E&SC Measures	Location	Deficiencies	Photos Taken (Y/N)	Notes/Observations/Recommendations
Perimeter Silt Fencing	Strategic, Down gradient Reaches Around Site Perimeter		Y	FENCE TOP: WEST OF "EAST POND" • EAST OF "EAST POND" • ALL OTHER AREAS IN GOOD CONDITION
Preservation of Natural Vegetation	All around site perimeter		Y	VEGETATION PROTECTED & HEALTHY
Vehicular Entrance to the site			Y	CLEAR OF DEBRIS
Stock Piles (No.s 1, 2, Working, Construction Fill)			Y	NO EROSION
Interceptor Swale, including Rock Check Dams	Around Site Perimeter		Y	SWALES ARE CLEAR
Minor pumping/controlled discharge Efforts			Y	NO PUMPING AT TIME OF WALK
Additional E&SC Measures: - Temporary Seeding; - Permanent Seeding; - Sod Stabilization; - Mulching; - Inlet Protection			Y	ALL MEASURES STILL IN PLACE



Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report				
Section 1 (continued): EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courtrice Power Partners				
ES&C Measure	Time of Observation (if notable/significant)	Deficiencies	Photos Taken (Y/N)	Notes/Observations (incl. during visit weather conditions)
West SWM Pond			Y	NO PUMPING AT TIME OF WALK
East SWM Pond			Y	NO PUMPING AT TIME OF WALK
Downstream Receiving Swale				
Section 2: Surface Water and/or Spill Control Response Sampling Summary Rpt by Golder Associates Ltd.				
Surface Water Sampling Performed (Y/N):		Details:		
SW Feature	Time of Inspection	Photos Taken	Notes/Observations (incl. during visit weather conditions)	
East SWM Pond	—	—	—	
West SWM Pond	—	—	—	
Downstream Receiving Swale	SW1 (US) Station: SW2 (DS) Station:	—	—	
Todley Creek	SW3 (US) Station: SW4 (DS) Station:	—	—	
Sign-off				
Courtrice Power Partners Representative/EMI	Print Name Laurence Patriguin	Signature <i>Laurence Patriguin</i>		
Golder Field Representative/CEP:	<i>Steve Hoover</i>	<i>[Signature]</i>		
Covanta Representative:	<i>Dave Holladay</i>	<i>[Signature]</i>		



Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report				
Golder Project/Task#: 12-1151-0155_4000				
Project Contacts		Mobile #	E&SC Monitoring Field Observations/Logistics	
Cowanta Contact:	Jim Delaney	1-860-422-5350	Date(s):	APR. 25/14 Time(s) of EMI: 10:00am - 10:30am
Courtrice Power Partners Site Contact	Jeff Bedard	416-574-5525	(start-finish)	Field Staff: Laurence Patriguin
Courtrice Power Partners Alt Site Contact/H&S Coord	Janice Campbell	647-537-3779	Health & Safety PPE/Orientation (Y/N, details):	
Golder PM/Water Resources Engineer/CPESC:	Steve Auger	289-894-0556	Antecedent Weather Conditions: * WINDY, CLEAR	
Golder Waste Services Contact/Local H&S Coordinator:	Amy Burke	905-409-0355	Other Notables: * NO MILKSNAKES SEEN AT TIME OF WALK	
Golder PD/Senior Water Resources Engineer:	Tarry Winhold	416-473-2800	OSBOURNE RD & SITE ROADS SWEEP 4/23/14	
Golder Alt CEP/Field Specialist	Nick Gorski	416-802-6801		
Golder SW Field Specialists				
Section 1: EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courtrice Power Partners				
E&SC Measures	Location	Deficiencies	Photos Taken (Y/N)	Notes/Observations/Recommendations
Perimeter Silt Fencing	Strategic, Down gradient Reaches Around Site Perimeter		Y	→ EAST/WEST SIDE OF "EAST POND" REQUIRE REPAIRS (RIPPED/DETACHED) → ALL OTHER AREAS INTACT
Preservation of Natural Vegetation	All around site perimeter		Y	PROTECTED & HEALTHY
Vehicular Entrance to the site			Y	CLEAR
Stockpiles (No.s 1, 2, Working, Construction Fill)			Y	INTACT, NO SIGNS OF EROSION
Interceptor Swales, Including Rock Check Dams	Around Site Perimeter		Y	SWALES CLEAR
Minor pumping/controlled discharge Efforts			N	NO PUMPING AT TIME OF WALK
Additional E&SC Measures: - Temporary Seeding, - Permanent Seeding, - Sod Stabilization, - Mulching, - Inlet Protection			Y	ALL AREAS REMAIN INTACT



Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report				
Section 1 (continued): EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Coutrice Power Partners				
ES&C Measures	Time of Observation (if notable/significant)	Deficiencies	Photos Taken (Y/N)	Notes/Observations (incl. during visit weather conditions)
West SWM Pond			Y	NO PUMPING, WATER LEVELS LOW
East SWM Pond			Y	NO PUMPING, WATER LEVELS LOW
Downstream Receiving Swale				
Section 2: Surface Water and/or Spill Control Response Sampling Summary Rpt by Golder Associates Ltd.				
Surface Water Sampling Performed (Y/N):		Details:		
N		N		
SW Feature	Time of Inspection	Photos Taken	Notes/Observations (incl. during visit weather conditions)	
East SWM Pond	—	—	—	
West SWM Pond	—	—	—	
Downstream Receiving Swale	SW1 (US) Station:	—	—	
	SW2 (DS) Station:	—	—	
Tooley Creek	SW3 (US) Station:	—	—	
	SW4 (DS) Station:	—	—	
Sign-off				
Coutrice Power Partners Representative/EMI	Print Name Laurence Patriquin	Signature <i>Laurence Patriquin</i>		
Golder Field Representative/CEP:	<i>SEVE ANGE</i>			
Covanta Representative	<i>JAMES DELANEY</i>	<i>James Delaney 26 June 2014</i>		



Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report				
Golder Project/Task#: 12-1151-0195_4000				
Project Contacts		Mobile #s	EASC Monitoring Field Observations/Logistics	
Covenant Contact:	Jim Delaney	1-800-422-6380	Date(s):	May 2 nd / 14 Time(s) of EMI: 9:30am to 10:00am Field Staff: Laurence Patriquin
Courville Power Partners Site Contact:	Jeff Bedford	416-574-5825	(start-finish)	
Courville Power Partners All Site Contact/H&S Coord:	Janice Campbell	847-837-3779	Health & Safety PPE/Orientation (Y/N, details):	
Golder PM/Water Resource Engineer/CPESC:	Steve Auger	289-694-0556	Antecedent Weather Conditions:	Apr. 29/14 → 10-20mm OF RAIN May 1/14 → WINDS 30-50 KM/H
Golder Waste Services Contact/Local H&S Coordinator:	Amy Burke	805-408-8386	Other Notables:	* NO MILKSNAKES SEEN DURING WALK
Golder PD/Senior Water Resources Engineer:	Terry Winhold	416-473-2800		
Golder All CER/Field Specialist:	Nick Gorski	416-632-6301		
Golder SW Field Specialist:				
Section 1: EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courville Power Partners				
EASC Measure	Location	Deficiencies	Photos Taken (Y/N)	Notes/Observations/Recommendations
Perimeter Silt Fencing	Strategic Down gradient Reaches Around Site Perimeter	SILT FENCE REPAIRS REQ'D @ EAST SWAMP & WEST BOUNDARY	Y	EAST/WEST SIDE OF "EAST POND" & WEST SIDE OF "WEST POND" REQUIRE REPAIRS (PILLED/DETACHED) • ALL OTHER AREAS INTACT
Preservation of Natural Vegetation	All around site perimeter		Y	PROTECTED & HEALTHY
Vehicular Entrance to the site			Y	CLEAR OF DEBRIS
Silt Pits (Nos. 1, 2, Working, Construction Fill)			Y	INTACT
Interceptor Swales, including Rock Check Dams	Around Site Perimeter		Y	SWALES ARE CLEAR
Minor pumping/controlled discharge Efforts			N	NO PUMPING AT TIME OF WALK
Additional EASC Measures: - Temporary Seeding; - Permanent Seeding; - Soil Stabilization; - Mulching; - Inlet Protection.			Y	ALL MEASURES STILL IN PLACE



Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report				
Section 1 (continued): EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courice Power Partners				
EASC Measures	Time of Observation (if notable/significant)	Deficiencies	Photos Taken (Y/N)	Notes/Observations (incl. during visit weather conditions)
West SWM Pond	MWJ		Y	No Pumping, Water Levels Low
East SWM Pond	MWJ		Y	No Pumping, Water Levels Low
Downstream Receiving Swale				
Section 2: Surface Water and/or Spill Control Response Sampling Summary Rpt by Golder Associates Ltd.				
Surface Water Sampling Performed (Y/N):	Yes		Details:	heavy rain/runoff, high turbidity/muddy conditions
SW Feature	Time of Inspection	Photos Taken	Notes/Observations (incl. during visit weather conditions)	
East SWM Pond	11:00	Y	could not access E-SWA - out due to muddy swale conditions, high water level/turbidity/gravity field operational	
West SWM Pond	11:30	Y	outflow from gravity field to swale as well as from overflow pipe due to high water level - high turbidity	
Downstream Receiving Swale	SW1 (UG) Station:	11:45	Y	medium flow, very turbid, samples taken, high water levels
	SW2 (DS) Station:	12:02	Y	medium flow, very turbid samples taken, high water levels
Tooley Creek	SW3 (UG) Station:	12:15	Y	high water level, high flow, high turbidity samples taken
	SW4 (DS) Station:	12:30	Y	high water level, high flow, high turbidity samples taken
Sign-off				
Courice Power Partners Representative/EMI	Print Name: Laurence Patriquin	Signature:		
Golder Field Representative/CEP:	Print Name: James Dealey	Signature:		
Covanta Representative:		Signature:	21st May 2014	



Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report				
Golder Project/Title: 12-1191-9189_4000				
Project Contacts	Mobile No	ES&C Monitoring Field Observer/Logician	Date/Time	
Corstia Contact:	Jim Delaney	1-519-520-0200	9:30am	
Corstia Power Partners Site Contact:	Jeff Ingham	416-874-9225	to	
Corstia Power Partners All Site Contact/ES&C Contact:	Janice Campbell	907-697-5776	10:00am	
Golder PM/Water Resources Engineer/ES&C:	Steve Auger	508-884-0288	Health & Safety PPE/Orientation (Y/N, details):	
Golder Waste Services Contact/Local HSE Coordinator:	Amy Burke	508-428-9226	Atmospheric Weather Conditions:	
Golder PM/Water Resources Engineer:	Terry Whitford	416-473-9200	Apr. 29/14 → 10-20 mm of RAIN MAX. WIND → 17 km/h 30-50 km/h	
Golder All O&M Field Specialist:	Nick Garsell	416-520-6301	Other Notable:	
Golder SW Field Specialist:			* No MAXIMISES SEEN DURING WALK	
Section 1: EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Corstia Power Partners			Close on-site 30 April for sampling	
ES&C Measure	Location	Deficiency	Photo Taken (Y/N)	Notes/Observations/Recommendations
Perimeter Silt Fencing	Electric, Down gradient Fences Around Site Perimeter	SILT FENCE REPAIRS REQ'D @ EAST SWAMP & WEST BOUNDARY	Y	EAST/WEST SIDE OF "EAST POND" & WEST SIDE OF "WEST POND" REQUIRE REPAIRS (RIPPED/DAMAGED) • ALL OTHER AREAS INTACT
Preservation of Natural Vegetation	All around site perimeter		Y	PROTECTED & HEALTHY
Vehicle Entrance to the site			Y	CLEAR OF DEBRIS
StockPiles (Nos 1, 2, Working, Construction Pq)			Y	INTACT
Interceptor Basins, including Rock Check Dams	Around Site Perimeter		Y	SWALES ARE CLEAR
Minor pumping/controlled discharge Efforts			N	NO PUMPING AT TIME OF WALK
Additional ES&C Measures: - Temporary Seeding, - Permanent Seeding, - Soil Stabilization, - Mulching, - Inlet Protection.			Y	ALL MEASURES STILL IN PLACE



Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report				
Section 1 (continued): EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Coastline Power Partners				
EMC Resource	Time of Observation (if available, significant)	Disturbance	Photos Taken (Y/N)	Notes/Observations (incl. during staff weather conditions)
West SWM Pond	None		Y	No Pumping, Water Levels Low
East SWM Pond	None		Y	No Pumping, Water Levels Low
Downstream Flowing Ditch				
Section 2: Surface Water and/or Spill Control Response Sampling Summary Rpt by Golder Associates Ltd.				
Surface Water Sampling Performed (Y/N):	Yes	Details:	Heavy rain runoff, High turbidity / muddy conditions	
SW Feature	Time of Inspection	Photos Taken	Notes/Observations (incl. during staff weather conditions)	
East SWM Pond	11:00	Y	could not access E. SWM Pond due to muddy silt, conditions, high water level turbidity, facility field operations	
West SWM Pond	11:30	Y	outflow from gravity feed to ditch as well as from overflow pipe due to high water level, high turbidity	
Downstream Flowing Ditch	SW1 (US) Station	11:45	Y	medium flow, very turbid, samples taken, high water levels
	SW2 (DS) Station	12:00	Y	medium flow, very turbid samples taken, high water levels
Tooley Creek	SW3 (US) Station	12:15	Y	high water level, high flow, high turbidity samples taken
	SW4 (DS) Station	12:30	Y	high water level, high flow, high turbidity samples taken
Sign-off				
Coastline Power Partners Representative/EMI	Print Name Laurence Patriquin Jessica Hanschell JAMES DELANEY		Signature Laurence Patriquin J. Hanschell J. Delaney 2103 2014	(per Steve Angus)



Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report			
Golder Project/Task#s: 12-1151-0155_4000			
Project Contacts		Mobile #s	E&SC Monitoring Field Observations/Logistics
Covanta Contact	Jim Delaney	1-800-422-5350	Date(s): <u>May 9/14</u> Time(s) of EMI: <u>9:00am</u> Field Staff: <u>Laurence Patriquin</u>
Courtrace Power Partners Site Contact	Jeff Bedard	416-574-6525	(start-finish) <u>9:45am</u>
Courtrace Power Partners All Site Contact/H&S Coord	Janice Campbell	847-537-3779	Health & Safety PPE/Orientation (Y/N, details):
Golder PM/Water Resources Engineer/CPEEC	Steve Auger	289-894-0556	Antecedent Weather Conditions: <u>* CLEAR WEATHER THROUGHOUT THE WEEK</u>
Golder Waste Services Contact/Local H&S Coordinator	Amy Burke	905-409-9355	Other Notables: <u>* NO MILKSHAKES SEEN DURING WALK</u>
Golder PD/Senior Water Resources Engineer	Terry Winhold	416-473-2800	
Golder All CEP/Field Specialist	Nick Gorski	416-802-6601	
Golder SW Field Specialists			

Section 1: EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courtrace Power Partners

E&SC Measures	Location	Deficiencies	Photos Taken (Y/N)	Notes/Observations/Recommendations
Perimeter Sill Fencing	Strategic, Down gradient Reaches Around Site Perimeter	<u>see comments</u> →	Y	• EAST & WEST BOUNDARY OF "EAST BOND" REQUIRE REPAIRS - RIPPED/DETACHED • ALL OTHER AREAS INTACT
Preservation of Natural Vegetation	All around site perimeter		Y	PROTECTED & HEALTHY
Vehicular Entrance to the site			Y	CLEAR OF DEBRIS
StockPiles (No.s 1, 2, Working, Construction P II)			Y	INTACT
Interceptor Swales, including Rock Check Dams	Around Site Perimeter		Y	SWALES ARE CLEAR
Minor pumping/controlled discharge Efforts			N	NO PUMPING AT TIME OF WALK
Additional E&SC Measures: - Temporary Seeding, - Permanent Seeding, - Sod Stabilization, - Mulching, - Inlet Protection			Y	ALL MEASURES STILL IN PLACE



Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report
 Section 1 (continued): EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courtrace Power Partners

EASC Measures	Time of Observation (if notable/significant)	Deficiencies	Photos Taken (Y/N)	Notes/Observations (Incl. during visit weather conditions)
West SWM Pond	-	-	Y	NO PUMPING - WATER LEVEL LOW
East SWM Pond	-	-	Y	NO PUMPING - WATER LEVEL LOW
Downstream Receiving Swale	-	-		

Section 2: Surface Water and/or Spill Control Response Sampling Summary Rpt by Golder Associates Ltd.

Surface Water Sampling Performed (Y/N): N Details: -

SW Feature	Time of Inspection	Photos Taken	Notes/Observations (Incl. during visit weather conditions)
East SWM Pond	-	-	-
West SWM Pond	-	-	-
Downstream Receiving Swale SW1 (US) Station:	-	-	-
SW2 (DS) Station:	-	-	-
Toolery Creek SW3 (US) Station:	-	-	-
SW4 (DS) Station:	-	-	-

Sign-off

Courtrace Power Partners Representative/EMI	Print Name <u>Laurence Patriquin</u>	Signature
Golder Field Representative/CEP:	<u>Steve Price</u>	
Covanta Representative:	<u>Rene Healey</u>	



Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report					
Golder Project/Task#: 19-1161-0169_4000					
Project Contacts		Mobile #s	EASC Monitoring Field Observations/Logistics		
Coverage Contact:	Jim Delaney	1-800-422-6300	Date(s):	May 16/14	Time(s) of EMI: 9:20am to 10:00am
Courtrix Power Partners Site Contact:	Jeff Sedard	416-574-6629	(start-finish)		Field Staff: LAURENCE PATRICKIAN
Courtrix Power Partners AR Site Contact/H&S Coord:	Janice Campbell	947-537-3778	Health & Safety PPE/Orientation (Y/N, details):		
Golder PM/Water Resources Engineer/CPEEC:	Steve Auger	289-894-0566	Antecedent Weather Conditions:		
Golder Waste Services Contact/Local H&S Coordinator:	Arny Burke	805-400-7330			
Golder PD/Senior Water Resources Engineer:	Terry Winhold	416-475-2800			
Golder AR CEPP/Field Specialist:	Nick Gorshl	416-802-8501			
Golder SW Field Specialist:			Other Notables:		
					May 12 1:30pm " 13 2:15pm " 14 2:15pm " 15 9:15am # No MILKSHAKES Social Drinking Walk
Section 1: EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courtrix Power Partners					
EASC Measure	Location	Deficiencies	Photos Taken (Y/N)	Notes/Observations/Recommendations	
Perimeter Site Fencing	Strategic, Down gradient Reaches Around Site Perimeter		Y	FENCE IN GOOD ORDER	
Preservation of Natural Vegetation	All around site perimeter		Y	PROTECTED & HEALTHY	
Vehicular Entrances to the site			Y	CLEAR OF DEBRIS	
Stock Piles (No.s 1, 2, Working, Construction Fill)			Y	INTACT - NO SIGNS OF EROSION	
Interrceptor Dams, Including Rock Check Dams	Around Site Perimeter		Y	SWALES ARE CLEAR	
Minor pumping/controlled discharge Efforts			N	NO PUMPING AT TIME OF WALK	
Additional EASC Measures - Temporary Seeding, - Permanent Seeding, - Sod Stabilization, - Mulching, - Inlet Protection.			Y	ALL MEASURES STILL IN PLACE	



Durham-York Energy Centre
72 Osborne Rd, Courville, ON
Golder Associates Ltd.

CSC and CW Monitoring Program

Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report				
Section 1 (continued): EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courville Power Partners				
EASC Measures	Time of Observation (if notable/significant)	Deficiencies	Photos Taken (Y/N)	Notes/Observations (incl. during visit weather conditions)
West DWM Pond	—	—	Y	No Pumping - Water Level Normal
East DWM Pond	—	—	Y	No Pumping - Water Level Normal
Downstream Receiving Swale	—	—		
Section 2: Surface Water and/or Spill Control Response Sampling Summary Rpt by Golder Associates Ltd.				
Surface Water Sampling Performed (Y/N):		Details:		
N		—		
BW Feature	Time of Inspection	Photos Taken	Notes/Observations (incl. during visit weather conditions)	
East SWM Pond	—	—	—	
West SWM Pond	—	—	—	
Downstream Receiving Swale:	SW1 (US) Station:	—	—	
	SW2 (DS) Station:	—	—	
Tooloy Creek:	SW3 (US) Station:	—	—	
	SW4 (DS) Station:	—	—	
Sign-off				
Courville Power Partners Representative/EMI:	Print Name: <u>Laurence Patiquin</u>	Signature:		
Golder Field Representative/CEP:	Print Name: <u>STEVE ANGER</u>	Signature:		
Covanta Representative:	Signature:			



Durham-York Energy Centre
 72 Osbourne Rd, Courtice, ON
 Golder Associates Ltd.
 ESC and SW Monitoring Program

Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report
 Golder Project/Task#: 12-1151-0155 4000

Project Contacts			E&SC Monitoring Field Observations/Logistics	
Cowarta Contact:	Jim Dejaney	1-860-422-6350	Date(s):	MAY 22/14
Courice Power Partners Site Contact:	Jeff Bedard	416-574-5825	Time(s) of EMI:	1:00 pm to 1:30 pm
Courice Power Partners All Site Contact/H&S Coord:	Janice Campbell	847-537-3779	(start-finish)	
Golder PM/Water Resources Engineer/CPE&C:	Steve Auger	288-894-0556	Health & Safety PPE/Orientation (Y/N, details):	
Golder Waste Services Contact/Local H&S Coordinator:	Amy Burke	905-409-9355	Antecedent Weather Conditions:	• MAY 22/14 0.5mm PRECIPITATION
Golder PD/Senior Water Resources Engineer:	Terry Winhold	416-473-2800		
Golder All CEP/Field Specialist:	Nick Gorski	416-802-6601	Other Notables:	• NO MILKSHAKES SEEN DURING WALK
Golder SW Field Specialists:				

Section 1: EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courice Power Partners

E&SC Measures	Location	Deficiencies	Photos Taken (Y/N)	Notes/Observations/Recommendations
Perimeter Silt Fencing	Strategic, Down gradient Reaches Around Site Perimeter		Y	FENCE IN GOOD ORDER
Preservation of Natural Vegetation	All around site perimeter		Y	PROTECTED & HEALTHY
Vehicular Entrance to the site			Y	CLEAR OF DEBRIS
Stock Piles (No.s 1, 2, Working, Construction Fill)			Y	INTACT - NO SIGNS OF EROSION
Interceptor Swales, Including Rock Check Dams	Around Site Perimeter		Y	SWALES ARE CLEAR
Minor pumping/controlled discharge Efforts			N	NO PUMPING AT TIME OF WALK
Additional E&SC Measures: - Temporary Seeding; - Permanent Seeding; - Sod Stabilization; - Mulching; - Inlet Protection.			Y	ALL MEASURES STILL IN PLACE



Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report				
Section 1 (continued): EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courtica Power Partners				
EASC Measures	Time of Observation (if notable/significant)	Deficiencies	Photos Taken (Y/N)	Notes/Observations (incl. during visit weather conditions)
West SWM Pond	—	—		No Pumping - Water Level Normal
East SWM Pond	—	—		No Pumping - Water Level Normal
Downstream Receiving Swale	—	—		
Section 2: Surface Water and/or Spill Control Response Sampling Summary Rpt by Golder Associates Ltd.				
Surface Water Sampling Performed (Y/N):		N		
Details:		—		
SW Feature	Time of Inspection	Photos Taken	Notes/Observations (incl. during visit weather conditions)	
East SWM Pond	—	—	—	
West SWM Pond	—	—	—	
Downstream Receiving Swale	SW1 (US) Station:	—	—	—
	SW2 (DS) Station:	—	—	—
Toolay Creek	SW3 (US) Station:	—	—	—
	SW4 (DS) Station:	—	—	—
Sign-off				
Courtice Power Partners Representative/EMI	Print Name Laurence Patricquin	Signature <i>Laurence Patricquin</i>		
Golder Field Representative/CEP:	<i>Steve Auer</i>	<i>Steve Auer</i>		
Covanta Representative:	<i>Paul Haldenby</i>	<i>Paul Haldenby</i>		



Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report				
Golder Project/Title: 12-1181-0188-4000				
Project Contacts		Mobile #	EASC Monitoring Field Observations/Logistics	
Contractor Contact	Site Director	1-800-422-4350	Date(s): <u>11/21/14</u>	Time(s) of visit: <u>8:30am</u>
Contractor Power Partners Site Contact	Jay Backard	418-576-9825	(start/finish)	Field Staff: <u>Laurence Patrigio</u>
Contractor Power Partners Air Site Contact/MSL Contact	Janice Campbell	647-637-3779		<u>8:30am</u>
Golder Power/Water Resources Engineer/OP/ESC	Steve Auger	269-591-0559	Health & Safety PPE/Orientation (Y/N, details):	
Golder Waste Services Contact/Lead HSE Coordinator	Amy Berke	803-499-8358	Antecedent Weather Conditions:	
Golder PD/Power Water Resources Engineer	Tamr Winko	418-473-2700	* REUSED *	
Golder Air QSP/Field Specialist	Wes Gaska	418-702-6001	Other Notables: <u>* NO THUNDERBOLTS SEEN DURING</u>	
Golder SW Field Specialist				
Section 1: EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Contract Power Partners				
EASC Measure	Location	Deficiencies	Photos Taken (Y/N)	Notes/Observations/Recommendations
Perimeter Site Fencing	Strategic Down gradient Roadway Around Site Perimeter	* REPAIRS REQ'D ON THE EAST * * WEST SIDE OF THE "EAST POND"	Y	OTHER AREAS INTACT
Preservation of Natural Vegetation	All around site perimeter		Y	PROTECTED & HEALTHY
Vehicle Entrance to Site			Y	CLEAR OF DEBRIS
Stock Piles (No. 1, 2 Working, Construction F-1)			Y	HAULING LOADS OF STOCK PILE TO VARIOUS AREAS OF PLANT
Interceptor Swales, Including Rock Check Dams	Around Site Perimeter		Y	SWALES ARE CLEAR
Minor pumping/controlled discharge Effluent			N	NO PUMPING AT TIME OF WALK
Additional EASC Measures: - Temporary Seeding - Permanent Seeding - Sod Substitution - Mulching - Erosion Protection			Y	ALL MEASURES STILL IN PLACE



Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report

Section 1 (continued): EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courville Power Partners

EMIC Measure	Time of Observation (if not stable conditions)	Reference	Photos Taken (Y/N)	Notes/Observations (not during wet weather conditions)
West SWM Pond			Y	No Pumping - Water Level Low
East SWM Pond			Y	No Pumping - Water Level Low
Downstream Receiving Swale				

Section 2: Surface Water and/or Spill Control Response Sampling Summary Rpt by Golder Associates Ltd.

Surface Water Sampling Performed (Y/N): Yes Details: _____

SW Feature	Time of Inspection	Photos Taken	Notes/Observations (not during wet weather conditions)		
East SWM Pond	1500	Y	-slightly cloudy, NW		
West SWM Pond	1515	Y	-clear		
Downstream Receiving Swale	SW1 (UG) Station:	1230	Y	} clear + sunny.	
	SW2 (DG) Station:	1345	N		clear - low flow
Trolley Creek	SW3 (UG) Station:	1400	Y		clear - med. flow
	SW4 (DG) Station:	1430	NO		clear - med. flow

Sign-off

Courville Power Partners Representative/EMI: Lawrence Patricquin

Golder Field Representative/CEP: D. Witheridge

Coventia Representative: [Signature]



Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report
Golder Project/Task#, 12-1131-0195 4009

Project Contacts		Mobile #s	EASC Monitoring Field Observations/Logistics	
Contract Contact	Jim DeLongy	1-800-422-3289	Date(s):	June 6/14
Courline Power Partners Site Contact	Jeff Beckard	416-574-6028	Time(s) of EMI	1:30 PM - 2:00 PM
Courline Power Partners All Site Contact/MSR Coord	Janice Campbell	547-437-3779	Start/End(s)	to
Golder PSM/Water Resources Engineer/GPESC	Sheng A. Guo	289-624-0875	Health & Safety PPE/Obstruction (PPE, debris):	
Golder Waste Services Corp./Local HSS Coordinator	Amy Barak	825-409-8885	Antecedent Weather Conditions:	PRECIPITATION - Moderate June 5, 2014
Golder PDC/Source Water Resources Engineer	Terry Whitford	416-473-2900	Other/Notes:	No MUDMARKS SEEN AT TIME OF WALK
Golder All CER/Final Specialist	Mark Gough	416-802-6301		
Golder SW Field Specialist				

Section 1: EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courline Power Partners

EASC Measure	Location	Deficiencies	Photos Taken (Y/N)	Notes/Obervations/Recommendations
Perimeter SW Fencing	Strategic, Down graded Roadside Around Site Perimeter	• REPAIRS REQUIRED AT AREAS ADJACENT TO EAST & WEST POND • REPAIRS WOULD COMMENCE NEXT WEEKS	Y	ALL OTHER AREAS INTACT
Preservation of Natural Vegetation	All around site perimeter		Y	PROTECTED & HEALTHY
Vehicle Entrance to the site			Y	CLEAR OF DEBRIS / DEBRIS CLEARED JUNE 16/14
Stock Piles (Nos 1, 2, Working, Construction Fill)			Y	HALLING LOADS OF STOCK PILE TO VARIOUS AREAS OF THE PLANT
Inter-pond Swales, including Rock Check Dams	Around Site Perimeter	• HOLE SWALE TO WEST POND HOLDING WATER	Y	ALL OTHER AREAS CLEAR
Minor pumping/controlled discharge Efforts			N	NO PUMPING AT TIME OF WALK
Additional EASC Measures: - Temporary E-Flags - Permanent Sealing - Sod Stabilization - Mulching - Silt Protection			Y	ALL MEASURES STILL IN PLACE



Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report				
Section 1 (continued): EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Contrace Power Partners				
ES&C Measures	Time of Observation (if notable/significant)	Reference	Photos Taken (Y/N)	Notes/Observations (incl. during visit weather conditions)
West SWM Pond			Y	No Pumping - Water Level Medium
East SWM Pond			Y	No Pumping - Water Level Low
Downstream Receiving Swale				
Section 2: Surface Water and/or Spill Control Response Sampling Summary Rpt by Golder Associates Ltd.				
Surface Water Sampling Performed (Y/N):		Y	Date: after rain event.	
SW Feature	Time of Inspection	Photos Taken	Notes/Observations (incl. during visit weather conditions)	
East SWM Pond	1013	Y	brown silty water.	
West SWM Pond	1021	Y	brown silty water.	
Downstream Receiving Swale	SW1 (UB) Station:	1051	Y	low turbidity, med flow
	SW2 (DS) Station:	1131	Y	" " low flow
Tooley Creek	SW3 (UB) Station:	1150	Y	low turbidity, med. flow
	SW4 (DS) Station:	1201	Y	" "
Sign-off				
Courtside Power Partners Representative/EM	Print Name: <u>Lucienne Patiquin</u> Signature: <i>Lucienne Patiquin</i>		Signature: <i>[Signature]</i>	
Golder Field Representative/CEP	Signature: <i>[Signature]</i>		Signature: <i>P. Witheridge</i>	
Contract Representative:	Signature: <i>[Signature]</i>			

June 3/2014



Durham-York Energy Centre
72 Osbourne Rd, Courtice, ON
Golder Associates Ltd.

ESC and SW Monitoring Program

Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report					
Golder Project/Task#s: 12-1151-0155, 4000					
Project Contacts					
Covanta Contact:	Jim Delaney	Mobile #:	E&SC Monitoring Field Observations/Logistics		
Courtrice Power Partners Site Contact:	Jeff Bedard	1-860-422-5350	Date(s):	June 13/14	Time(s) of EMI: 10:45am to 11:20am
Courtrice Power Partners Alt Site Contact/H&S Coord:	Jamice Campbell	416-574-5525	(start-finish)		Field Staff: Laurence Patricqum
Golder PM/Water Resources Engineer/CPEEC:	Steve Auger	647-537-3779	Health & Safety PPE/Orientation (Y/N, details): PRECIPITATION		
Golder Waste Services Contact/Local H&S Coordinator:	Amy Burke	289-594-0558	Antecedent Weather Conditions:		
Golder PD/Senior Water Resources Engineer:	Terry Winhold	905-409-9355	: June 11 - 25.4mm		
Golder Alt CEP/Field Specialist:	Nick Gorski	416-473-2800	: June 12 - 2.0mm		
Golder SW Field Specialists:		416-902-8901	Other Notables: NO PHOSPHORUS SEEN DURING WALK		
Section 1: EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courtrice Power Partners					
E&SC Measures	Location	Deficiencies	Photos Taken (Y/N)	Notes/Observations/Recommendations	
Perimeter Silt Fencing	Strategic, Down gradient Reaches Around Site Perimeter		Y	ALL AREAS REPAIRED & INTACT	
Preservation of Natural Vegetation	All around site perimeter		Y	PROTECTED & HEALTHY	
Vehicular Entrance to the site			Y	CLEAR OF DEBRIS	
Stock Piles (No s 1, 2, Working, Construction Fill)			Y	HAULING LOADS OF STOCK PILE TO VARIOUS AREAS OF THE PLANT	
Interceptor Swale, Including Rock Check Dams	Around Site Perimeter	INLET SWALE TO WEST POND HOLDING WATER	Y	ALL OTHER AREAS IN GOOD ORDER	
Minor pumping/controlled discharge Efforts			N	NO PUMPING AT TIME OF WALK	
Additional E&SC Measures: - Temporary Seeding; - Permanent Seeding; - Sod Stabilization; - Mulching; - Inlet Protection			Y	ALL MEASURES STILL IN PLACE	



Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report				
Section 1 (continued): EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Coutrice Power Partners				
ES&C Measures	Time of Observation (if notable/significant)	Deficiencies	Photos Taken (Y/N)	Notes/Observations (incl. during visit weather conditions)
West SWM Pond			Y	NO PUMPING - WATER LEVEL NORMAL
East SWM Pond			Y	NO PUMPING - WATER LEVEL NORMAL
Downstream Receiving Swale				
Section 2: Surface Water and/or Spill Control Response Sampling Summary Rpt by Golder Associates Ltd.				
Surface Water Sampling Performed (Y/N): <u>N</u> Details: <u>—</u>				
SW Feature	Time of Inspection	Photos Taken	Notes/Observations (incl. during visit weather conditions)	
East SWM Pond	—	—	—	
West SWM Pond	—	—	—	
Downstream Receiving Swale	SW1 (US) Station: —	—	—	
	SW2 (DS) Station: —	—	—	
Tooley Creek	SW3 (US) Station: —	—	—	
	SW4 (DS) Station: —	—	—	
Sign-off				
Coutrice Power Partners Representative/EMI:	Print Name: <u>LAURENCE PATRIQUIN</u>	Signature: <u>[Signature]</u>		
Golder Field Representative/CEP:	<u>[Signature]</u>			
Covanta Representative:	<u>[Signature]</u>			



Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report				
Golder Project/Tasks 12-1151-0155_4000				
Project Contacts		Mobile #s	E&SC Monitoring Field Observations/Logistics	
Covanta Contact	Jim Delaney	1-860-422-5350	Date(s): <u>June 20/14</u> Time(s) of EMI: <u>2:30 p.m.</u> Field Staff: <u>Elena Vorvi's</u>	
Courtrice Power Partners Site Contact	Jeff Bedard	416-574-5525	(start-finish)	
Courtrice Power Partners Alt Site Contact/H&S Coord	Janice Campbell	647-537-3779	<u>to</u>	
Golder PM/Water Resources Engineer/CPESC	Steve Auger	289-894-0556	<u>3:00 p.m.</u>	
Golder Waste Services Contact/Local H&S Coordinator	Amy Burke	905-409-9355	<u>PRECIPITATION</u>	
Golder PD/Senior Water Resources Engineer	Terry Winhold	416-473-2800	<u>June 16 = 5.6 mm</u>	
Golder Alt CEP/Field Specialist	Nick Goraki	416-802-6801		
Golder SW Field Specialists				
Other Notables:			<u>NO MILK SNAKES DURING WALK</u>	
Section 1: EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courtrice Power Partners				
E&SC Measures	Location	Deficiencies	Photos Taken (Y/N)	Notes/Observations/Recommendations
Perimeter Soil Fencing	Strategic, Down gradient Reaches Around Site Perimeter		Y	All areas intact
Preservation of Natural Vegetation	All around site perimeter		Y	Protected and Healthy
Veh-icular Entrance to the site			Y	Clear of Debris
Stock Piles (No s 1, 2, Working, Construction Fill)			Y	Hauling loads of stock pile to various areas of the plant
Interceptor Swale, including Rock Check Dams	Around Site Perimeter	Inlet swale to west pond holding water	Y	All other areas in good order
Minor pumping/controlled discharge Efforts			N	No pumping at the time of walk
Additional E&SC Measures - Temporary Seeding - Permanent Seeding - Sod Stabilization - Muzzing - Inlet Protection			Y	All measures still in place



Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report

Section 1 (continued): EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courtrice Power Partners

E&SC Measures	Time of Observation (if notable/significant)	Deficiencies	Photos Taken (Y/N)	Notes/Observations (Incl. during visit weather conditions)
West SWM Pond			Y	No Pumping - water level is normal
East SWM Pond			Y	No pumping - water level is normal
Downstream Receiving Swale				

Section 2: Surface Water and/or Spill Control Response Sampling Summary Rpt by Golder Associates Ltd.

Surface Water Sampling Performed (Y/N): N Details: —

SW Feature	Time of Inspection	Photos Taken	Notes/Observations (Incl. during visit weather conditions)
East SWM Pond	—	—	—
West SWM Pond	—	—	—
Downstream Receiving Swale SW1 (US) Station	—	—	—
SW2 (DS) Station	—	—	—
Toohey Creek SW3 (US) Station	—	—	—
SW4 (DS) Station	—	—	—

Sign-off

	Print Name	Signature
Courtrice Power Partners Representative/EM	<u>Elena Vorvis</u>	<u>Elena Vorvis</u>
Golder Field Representative/CEP:	<u>Steve Harker</u>	<u>Steve Harker</u>
Covanta Representative:	<u>Paul Haldenby</u>	<u>Paul Haldenby</u>



Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report				
Golder Project/Task#s: T2-1151-0155 4000				
Project Contacts		Mobile #s	E&SC Monitoring Field Observations/Logistics	
Covenant Contact	Jim Delaney	1-860-422-5350	Date(s): <u>July 10/14</u>	Time(s) of EMI: <u>2:00 pm.</u> Field Staff: <u>Elena Vorvis</u>
Courrice Power Partners Site Contact	Jeff Bedard	416-574-5525	(start-finish)	<u>to</u>
Courrice Power Partners Alt Site Contact/H&S Coord	Jarvis Campbell	847-537-3779		<u>2:30 p.m.</u>
Golder PM/Water Resources Engineer/CPESC	Steve Auger	289-894-0556	Health & Safety PPE/Orientation (Y/N, details):	<u>Precipitation</u>
Golder Waste Services Contact/Local H&S Coordinator	Amy Burke	805-409-9355	Antecedent Weather Conditions:	<u>July 8 - 15.9 mm</u>
Golder PD/Senior Water Resources Engineer	Terry Winhold	416-473-2800		<u>July 9 - 7.3 mm</u>
Golder Alt CEP/Field Specialist	Nick Gorski	416-802-6601	Other Notables:	<u>NO MILK SNAKES DURING WALK</u>
Golder SW Field Specialists				
Section 1: EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courrice Power Partners				
E&SC Measures	Location	Deficiencies	Photos Taken (Y/N)	Notes/Observations/Recommendations
Perimeter Silt Fencing	Strategic, Down gradient Reaches Around Site Perimeter		Y	All areas intact
Preservation of Natural Vegetation	All around site perimeter		Y	Protected and healthy
Vehicular Entrance to the site			Y	Clear of debris
Stock Piles (No s 1 2, Working, Construction Fill)			Y	Hauling loads of stock pile to various areas of the plant
Interceptor Swale including Rock Check Dams	Around Site Perimeter		Y	All in good order - No pumping needed today
Minor pumping/controlled discharge Efforts			Y	No pumping at the time of walk
Additional E&SC Measures - Temporary Seeding - Permanent Seeding - Sod Stabilization - Mulching - Inlet Protection			Y	All measures still in place

Durham-York Energy Centre
 72 Osbourne Rd, Courtice, ON
 Golder Associates Ltd.

ESC and SW Monitoring Program



Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report				
Section 1 (continued): EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courtice Power Partners				
EASC Measures	Time of Observation (if notable/significant)	Deficiencies	Photos Taken (Y/N)	Notes/Observations (incl. during visit weather conditions)
West SWM Pond			Y	No pumping - water level is normal
East SWM Pond			Y	No pumping - water level is normal
Downstream Receiving Swale				
Section 2: Surface Water and/or Spill Control Response Sampling Summary Rpt by Golder Associates Ltd.				
Surface Water Sampling Performed (Y/N)		Details:		
N		—		
SW Feature	Time of Inspection	Photos Taken	Notes/Observations (incl. during visit weather conditions)	
East SWM Pond	—	—	—	
West SWM Pond	—	—	—	
Downstream Receiving Swale	SW1 (US) Station	—	—	
	SW2 (DS) Station	—	—	
Tooley Creek	SW3 (US) Station	—	—	
	SW4 (DS) Station	—	—	
Sign-off				
Courtice Power Partners Representative/EMI	Print Name Elena Veants	Signature <i>Elena Veants</i>		
Golder Field Representative/CEP:	Steve Price	<i>[Signature]</i>		
Covanta Representative:	<i>[Signature]</i>	<i>[Signature]</i>		



Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report				
Golder Project/Task#s 12-1151-0155_4000				
Project Contacts		Mobile #s	E&SC Monitoring Field Observations/Logistics	
Covanta Contact	Jim Dajaney	1-800-422-5350	Date(s): <u>July 7/14</u>	Time(s) of EMI: <u>2:00 p.m.</u> Field Staff: <u>Elena Vorvris</u>
Courtrace Power Partners Site Contact	Jaif Bedard	416-574-5525		to <u>7:30 p.m.</u>
Courtrace Power Partners Alt Site Contact/H&S Coord	Janice Campbell	647-537-3779		Precipitation
Golder PM/Water Resources Engineer/CPESC	Steve Auger	289-894-0556	Health & Safety PPE/Orientation (Y/N, details):	<u>July 7 = 1.5 mm</u>
Golder Waste Services Contact/Local H&S Coordinator	Amy Burke	905-409-9355	Antecedent Weather Conditions:	<u>July 8 = 1.0 mm</u>
Golder PD/Senior Water Resources Engineer	Terry W. Rhoad	416-473-2800		<u>July 9 = 0.5 mm</u>
Golder Alt CEP/Field Specialist	Nick Gorski	416-802-6601	Other Notables:	<u>NO MILK SNAKES DURING WALK</u>
Golder SW Field Specialist				
Section 1: EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courtrace Power Partners				
E&SC Measures	Location	Deficiencies	Photos Taken (Y/N)	Notes/Observations/Recommendations
Perimeter Silt Fencing	Strategic Down gradient Reaches Around Site Perimeter		Y	All areas intact
Preservation of Natural Vegetation	All around site perimeter		Y	protected and healthy
Vehicular Entrance to the site			Y	clear of debris
Stock Piles (No.s 1, 2, Working, Construction Fill)			Y	Hauling loads of stock pile to various areas of the plant
Interceptor Swales, including Rock Check Dams	Around Site Perimeter		Y	All in good order - No pumping needed today
Minor pumping/controlled discharge Efforts			Y	No pumping at the time of walk - pump was set up
Additional E&SC Measures - Temporary Seeding, - Permanent Seeding, - Sod Stabilization, - Mulching, - Inlet Protection			Y	All measures still in place



Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report				
Section 1 (continued): EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courtrice Power Partners				
E&SC Measures	Time of Observation (if notable/significant)	Deficiencies	Photos Taken (Y/N)	Notes/Observations (Incl. during visit weather conditions)
West SWM Pond			Y	No pumping - water level is normal
East SWM Pond			Y	pumping - to control water level. pump was running at the time of my walk
Downstream Receiving Swale				
Section 2: Surface Water and/or Spill Control Response Sampling Summary Rpt by Golder Associates Ltd.				
Surface Water Sampling Performed (Y/N):		Details:		
N		-		
SW Feature	Time of Inspection	Photos Taken	Notes/Observations (Incl. during visit weather conditions)	
East SWM Pond	-	-	-	
West SWM Pond	-	-	-	
Downstream Receiving Swale				
SW1 (US) Station	-	-	-	
SW2 (DS) Station	-	-	-	
Tooley Creek				
SW3 (US) Station	-	-	-	
SW4 (DS) Station	-	-	-	
Sign-off				
Courtrice Power Partners Representative/EMI:	Print Name: Elena Vorvis	Signature:		
Golder Field Representative/CEP:	Steve Hodge			
Covanta Representative:	Steve Hollander			



Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report				
Golder Project/Task#: 12-1101-0155_4000				
Project Contacts		Mobile #s	E&S Monitoring Field Observations/Logistics	
Courtnice Contact:	Jim Delerney	1-800-422-5320	Date(s):	JUNE 27/11
Courtnice Power Partners Site Contact:	Jeff Bedard	416-574-5525	Time(s) of EMI:	2:00 pm to 2:45 pm
Courtnice Power Partners Alt Site Contact/ISS Coord:	Janice Campbell	647-537-3770	(start-finish)	Field Staff: Elena Vorvris
Golder PM/Water Resources Engineer/PESC:	Steve Auger	209-894-0556	Health & Safety PPE/Orientation (Y/N, details):	Precipitation
Golder Waste Services Contact/Local H&S Coordinator:	Amy Burke	905-460-9355	Anticipant Weather Conditions:	June 23 - 19 mm June 24 - 11.7 mm June 25 - 1.5 mm
Golder PD/Senior Water Resources Engineer:	Terry Wilmot	416-473-2800	Other Notables:	NO MILK SHAKES DURING WALK
Golder Alt CEP/Field Specialist:	Nick Onrski	416-803-6811		
Golder SW Field Specialists:				
Section 1. EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courtnice Power Partners				
E&S Measures	Location	Deficiencies	Photos Taken (Y/N)	Notes/Observation/Recommendations
Perimeter CRT Fencing	Strategic, Down Gradient Perimeter Around Site Perimeter		Y	All areas intact
Preservation of Natural Vegetation	All around site perimeter		Y	Protected and Healthy
Vehicle/Tractor Entrances to the site			Y	clear of Debris
Stock Piles (No a, 1, 2, Working, Construction Fill)			Y	Handing Loads of stock pile to various areas of the plant
Interceptor Swales, Including Rock Check Dams	Around Site Perimeter		Y	All in good order - Inlet swale to west pond was pumped
Water pumping/controlled discharge Efforts			Y	No pumping at the time of walk - pump was set up
Additional E&S Measures: Temporary Seeding; Permanent Seeding; Soil Stabilization; Mulching; Erosion Protection.			Y	All measures still in place



Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report				
Section 1 (continued). EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Coutrine Power Partners				
ES&C Measure	Time of Observation (if notable/significant)	Deficiencies	Photos Taken (Y/N)	Notes/Observations (incl. during visit weather conditions)
West SWM Pond			Y	No pumping - water level is normal
East SWM Pond			Y	No pumping - water level is normal
Downstream Receiving Stream				
Section 2: Surface Water and/or Spill Control Response Sampling Summary Rpt by Golder Associates Ltd				
Surface Water Sampling Performed (Y/N):		Details:		
N		—		
SW Feature	Time of Inspection	Photos Taken	Notes/Observations (incl. during visit weather conditions)	
East SWM Pond	—	—	—	
West SWM Pond	—	—	—	
Downstream Receiving Drain	SW1 (US) Station	—	—	
	SW2 (DS) Station	—	—	
Downstream	SW3 (US) Station	—	—	
	SW4 (DS) Station	—	—	
Sign-off				
Coutrine Power Partners Representative/EM	Print Name Elena Vorutis	Signature <i>Elena Vorutis</i>		
Golder Field Representative/CEP	Print Name Steve Kupper	Signature <i>Steve Kupper</i>		
Golder Representative	Print Name Steve Holdenby	Signature <i>Steve Holdenby</i>		



Durham-York Energy Centre
 72 Osbourne Rd, Courice, ON
 Golder Associates Ltd.
 ESC and SW Monitoring Program

Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report				
Golder Project/Task#s: 12-1151-0155_4000				
Project Contacts			E&SC Monitoring Field Observations/Logistics	
Courice Contact:	Jim Delaney	1-860-422-6360	Date(s):	July 14/14
Courice Power Partners Site Contact:	Jeff Bedard	416-574-5525	Time(s) of EMI:	1:00 p.m. to 1:30 p.m.
Courice Power Partners All Site Contact/H&S Coord:	Janica Campbell	847-537-3779	(start-finish)	
Golder PM/Water Resources Engineer/CPESC:	Steve Auger	289-894-0556	Health & Safety PPE/Orientation (Y/N, details):	Precipitation
Golder Waste Services Contact/Local H&S Coordinator:	Amy Burka	905-409-8355	Antecedent Weather Conditions:	July 15 - 3.1 mm
Golder PD/Senior Water Resources Engineer:	Terry Winhold	416-473-2800		
Golder All CEP/Field Specialist:	Nick Gorski	416-802-6601		
Golder SW Field Specialists:			Other Notables:	NO MILK SNAILS DURING WALK
Section 1: EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courice Power Partners				
E&SC Measures	Location	Deficiencies	Photos Taken (Y/N)	Notes/Observations/Recommendations
Perimeter Silt Fencing	Strategic, Down gradient Reaches Around Site Perimeter		Y	all areas intact
Preservation of Natural Vegetation	All around site perimeter		Y	protected and healthy
Vehicular Entrance to the site			Y	clear of debris
Stock Piles (No s 1, 2, Working, Construction Fill)			Y	Hauling loads of stock pile to various areas of the plant
Interceptor Swales, including Rock Check Dams	Around Site Perimeter		Y	No pumping at the time of walk - All in good order
Minor pumping/controlled discharge Efforts			Y	No pumping at the time of walk
Additional E&SC Measures - Temporary Seeding, - Permanent Seeding, - Sod Stabilization, - Mulching, - Inlet Protection			Y	All measures still in place



Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report				
Section 1 (continued): EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courice Power Partners				
E&S Measures	Time of Observation (if notable/significant)	Deficiencies	Photos Taken (Y/N)	Notes/Observations (incl. during visit weather conditions)
West SWM Pond			Y	No pumping - water level is normal
East SWM Pond			Y	No pumping - water level is normal
Downstream Receiving Swale				
Section 2: Surface Water and/or Spill Control Response Sampling Summary Rpt by Golder Associates Ltd.				
Surface Water Sampling Performed (Y/N):		N		
Details:		-		
SW Feature	Time of Inspection	Photos Taken	Notes/Observations (incl. during visit weather conditions)	
East SWM Pond	-	-	-	
West SWM Pond	-	-	-	
Downstream Receiving Swale	SW1 (US) Station	-	-	
	SW2 (DS) Station	-	-	
Tooley Creek	SW3 (US) Station	-	-	
	SW4 (DS) Station	-	-	
Sign-off				
Courice Power Partners Representative/EMI	Print Name: <u>Elena Vorvis</u>	Signature:		
Golder Field Representative/CEP:	<u>EVE AOGGA</u>			
Covanta Representative:				



Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report

Golder Project/Task No. 12-1151-0155_4000

Project Contacts	Mobile #s	E&SC Monitoring Field Observations/Logistics
Coverline Contact: Jim Delaney	1-850-422-5360	Date(s): July 25/14 Time(s) of EMI: 2:00 p.m. Field Staff: Elena Vorvris
Courice Power Partners Site Contact: Jeff Bedard	416-574-8525	(start-finish): 2:30 p.m.
Courice Power Partners All Site Contact/H&S Coord: Janice Campbell	647-537-3779	Health & Safety PPE/Orientation (Y/N, details): NO Precipitation
Golder PM/Water Resources Engineer/CPESC: Steve Auger	289-294-0556	Antecedent Weather Cond/Winds: July 25
Golder Waste Services Contact/Local H&S Coordinator: Amy Burke	805-409-9355	
Golder PD/Senior Water Resources Engineer: Terry Winhold	419-473-2800	
Golder All CEP/Field Specialist: Nick Gorski	416-802-6801	
Golder SW Field Specialist:		

Other Notables: NO MILK SNAKES DURING WALK

Section 1: EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courice Power Partners

E&SC Measures	Location	Deficiencies	Photos Taken (Y/N)	Notes/Observations/Recommendations
Perimeter Silt Fencing	Strategic, Down gradient Reaches Around Site Perimeter		Y	all areas intact
Preservation of Natural Vegetation	All around site perimeter		Y	protected and healthy
Vehicular Entrance to the site			Y	clear of debris
Stock Piles (No > 1.2, Working, Construction Fill)			Y	Hauling loads of stock pile to various areas of the plant
Interceptor Swale, including Rock Check Dams	Around Site Perimeter		Y	All in good order
Minor pumping/controlled discharge Efforts			Y	No pumping at the time of walk
Additional E&SC Measures - Temporary Seeding, - Permanent Seeding, - Sod Stabilization - Mulching, - Silt Protection			Y	All measures still in place



Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report				
Section 1 (continued): EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courice Power Partners				
ES&C Measure	Time of Observation (if notable/significant)	Deficiencies	Photos Taken (Y/N)	Notes/Observations (incl. during visit weather conditions)
West SWM Pond			Y	No pumping - water level is normal
East SWM Pond			Y	pumping at the time of walk
Downstream Receiving Swale				
Section 2: Surface Water and/or Spill Control Response Sampling Summary Rpt by Golder Associates Ltd.				
Surface Water Sampling Performed (Y/N):		Details:		
SW Feature	Time of Inspection	Photos Taken	Notes/Observations (incl. during visit weather conditions)	
East SWM Pond				
West SWM Pond				
Downstream Receiving Swale	SW1 (US) Station			
	SW2 (DS) Station			
Toolley Creek	SW3 (US) Station			
	SW4 (DS) Station			
Sign-off				
Courice Power Partners Representative/EMI	Print Name: <u>Elena Vorvis</u>	Signature: <u>Elena Vorvis</u>		
Golder Field Representative/CEP:	<u>Jessica Hanschell</u>	<u>John Hall</u> (per Steve Roger)		
Covanta Representative:	<u>Dave Haldenby</u>	<u>[Signature]</u>		



Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report				
Golder Project/Task No. 12-1151-0155_4000				
Project Contacts				
Contract Contact	Jim Delaney	Mobile #s	EASC Monitoring Field Observations/Logistics	
Courtes Power Partners Site Contact	Jeff B. Lund	1-800-422-5350	Date(s): August 1/14	Time(s) of EMI: 7:40 am. Field Staff: Elena Vorvis
Courtes Power Partners All Site Contact/H&S Coord	Janice Campbell	847-537-3779	(start-finish)	6:00 am.
Golder PM/Water Resources Engineer/CPESC	Steve Auger	289-864-0536	Health & Safety PPE/Orientation (Y/N, details):	Precipitation
Golder Waste Services Contact/Local H&S Coordinator	Amy Burke	705-409-8355	Anticipated Weather Conditions:	Sunny, 28 - 15.0mm
Golder PD/Senior Water Resources Engineer	Terry W. Rhoad	416-473-2800	Other Notables:	No other workers observed walk
Golder All CEP/Field Specialist	Nick Gorski	416-802-6301		
Golder SW Field Specialists				
Section 1: EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courtes Power Partners				
EASC Measures	Location	Deficiencies	Photos Taken (Y/N)	Notes/Observations/Recommendations
Perimeter SR Fencing	Strategic, Down gradient Reaches Around Site Perimeter		Y	All areas intact
Preservation of Natural Vegetation	All around site perimeter		Y	Protected and healthy
Vehicular Entrance to the site:			Y	Clear of debris
Stock Piles (No. 1, 2, Working, Construction Fill)			Y	Hauling loads of stock pile to various areas of the plant
Intake/Outlet Swales, Including Rock Check Dams	Around Site Perimeter		Y	All in good order No pumping during walk
Minor pumping/controlled discharge Efforts			Y	No pumping at the time of the walk
Additional EASC Measures - Temporary Seeding - Permanent Seeding - Sod Stabilization - Mulching - Inlet Protection			Y	All measures still in place



Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report				
Section 1 (continued): EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Coutrice Power Partners				
EASC Measure	Time of Observation (if notable/significant)	Deficiencies	Photos Taken (Y/N)	Notes/Observations (incl. during visit weather conditions)
West SWM Pond			Y	No pumping - water level normal
East SWM Pond			Y	No pumping - water level normal
Downstream Receiving Swale				
Section 2: Surface Water and/or Spill Control Response Sampling Summary Rpt by Golder Associates Ltd.				
Surface Water Sampling Performed (Y/N):		Details:		
Y		after rain event		
SW Feature	Time of Inspection	Photos Taken	Notes/Observations (incl. during visit weather conditions)	
East SWM Pond	1:15	Y	light brown, silty water	
West SWM Pond	1:25	Y	light brown, silty water	
Downstream Receiving Swale	SW1 (US) Station	Y	low turbidity, steady flow	
	SW2 (DS) Station	Y	brown, silty water, very low flow	
Toolay Creek	SW3 (US) Station	Y	translucent water, fast flow	
	SW4 (DS) Station	Y	med. turbidity (brown), fast flow	
Sign-off				
Coutrice Power Partners Representative/EMI	Print Name: Elena Vorvis	Signature:	Linda MacLeod for	
Golder Field Representative/CEP:				
Covanta Representative:				



Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report
 Golder Project/Task #: 12-1181-0185_4000

Contract Contact:	Jim Delaney	Mobile No:	ES&C Monitoring Field Observations/Logistics	7:45 am arrival	Elena Vorvis
Contract Power Partners Site Contact:	Jeff Eckert	418-574-5225	Date: August 1/14	Time of Day:	
Contract Power Partners All EMI Contact/ES&C Coord:	Janice Campbell	647-527-3779	(start-field)		
Golder PM/Water Resources Engineer/ES&C:	Steve Joyce	289-924-0200	Health & Safety PM/Orientation (Y/N, details):		Precipitation
Golder Waste Services Contact/Local HSE Coordinator:	Amy Beale	605-408-4388	Atmospheric Weather Conditions:		Sunny, 28 - 15.0 mm
Golder PM/Stack Water Resources Engineer:	Terry V. Smith	418-472-2833	Other Notables:		No Milk Spills, Dipping Walk
Golder All O&M/ES&C Contact:	Mark Smith	418-424-4221			
Golder SW Field Specialist:					

Section 1: EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Costrice Power Partners

ES&C Measure	Location	Deficiencies	Photos Taken (Y/N)	Notes/Observations/Recommendations
Perimeter: ER Perimeter	Strategic Down gradient Runoff Around Site Perimeter		Y	All areas intact
Preservation of Natural Vegetation	All around Site perimeter		Y	Protected and healthy
Vehicle Entry to the site			Y	Clear of debris
Stock Piles (No 1, 2, Working, Construction P.I.)			Y	Hauling loads of stock pile to various areas of the plant
Storage: pile Basins, including Rock Check Dams	Around Site Perimeter		Y	All in good order No pumping during walk
Water pumping/control/drainage: Efforts			Y	No pumping at the time of the walk
Additional ES&C Measure - Temporary Seeding - Permanent Seeding - Sed Stabilization - Mulching - Silt Protection			Y	All measures still in place



Durham-Park Energy Centre - Environmental Monitoring Inspection (EMI) Report				
Section 1 (continued): EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Coorico Power Partners				
EESC Measures	Time of Observation (if notable/significant)	Volume	Photos Taken (Y/N)	Notes/Observations (incl. during visit weather conditions)
West SWM Pond			Y	no pumping - water level normal
East SWM Pond			Y	no pumping - water level normal
Downstream Flushing Sump				
Section 2: Surface Water and/or Spill Control Response Sampling Summary Rpt by Golder Associates Ltd.				
Surface Water Sampling Permit (Y/N):	Y			
Date:	after rain event			
SW Station	Time of Inspection	Photos Taken	Notes/Observations (incl. during visit weather conditions)	
East SWM Pond	1:15	Y	light brown, silty water	
West SWM Pond	1:25	Y	light brown, silty water	
Downstream Flushing Sump	SW1 (US) Station	1:45	Y	low turbidity, steady flow
	SW2 (DS) Station	3:04	Y	brown, silty water, very low flow
Tooley Creek	SW3 (US) Station	3:20	Y	translucent water, fast flow
	SW4 (DS) Station	2:45	Y	med. turbidity (brown), fast flow
Sign-off				
Coorico Power Partners Representative/EMI	Print Name: <u>Jessica Hanschele</u>	Signature: <u>[Signature]</u>	Date: <u>after rain event</u>	
Golder Field Representative/CEP	Print Name: <u>Steve Hallock</u>	Signature: <u>[Signature]</u>	Date: <u>(per Steve Auger)</u>	
Coorico Representative	<u>Linda MacLeod</u>			



Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report				
Golder Project/Task#: 12-1151-0155_4000				
Project Contacts				
Contacts Contact:		Mobile #s	E&S Monitoring Field Observations/Logistics	
Courice Power Partners Site Contact	Jim Delaney	1-800-422-5350	Date(s): <u>August 8/14</u>	Time(s) of EMI: <u>2:30 p.m.</u> Field Staff: <u>Elena Vorvis</u>
Courice Power Partners Alt Site Contact/H&S Coord	Jeff Bedard	416-574-5825	(start-finish)	<u>to</u>
Golder PM/Water Resources Engineer/CPEEC	Janice Campbell	647-537-3779	Health & Safety PPE/Orientation (Y/N, details):	<u>3:00 p.m.</u>
Golder Waste Services Contact/Local H&S Coordinator	Steve Auger	289-894-0568	Antecedent Weather Conditions:	<u>Precipitation</u>
Golder PD/Senior Water Resources Engineer	Amy Burke	905-408-9355		<u>August 5 - 0.6 mm</u>
Golder Alt CEP/Field Specialist	Terry Wirthold	416-473-2800	Other Notables:	<u>NO MILK SNAKES DURING WALK</u>
Golder SW Field Specialist	Nick Gorski	416-802-8801		
Section 1: EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courice Power Partners				
E&S Measure	Location	Deficiencies	Photos Taken (Y/N)	Notes/Observations/Recommendations
Perimeter Silt Fencing	Strategic, Down gradient Reaches Around Site Perimeter		Y	All areas intact
Preservation of Natural Vegetation	All around site perimeter		Y	Protected and healthy
Vehicular Entrance to the site			Y	clear of debris
Stock Piles (No.s 1, 2, Working, Construction Fill)			Y	Hauling loads of stock pile to various areas of the plant
Interceptor Swale, including Rock Check Dams	Around Site Perimeter		Y	No pumping at the time of walk - All in good order
Minor pumping/controlled discharge Efforts			Y	No pumping at the time of walk
Additional E&S Measures: - Temporary Seeding; - Permanent Seeding; - Sod Stabilization; - Mutching; - Inlet Protection.			Y	all measures still in place



Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report				
Section 1 (continued): EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courice Power Partners				
EASC Measure	Time of Observation (if notable/significant)	Deficiencies	Photos Taken (Y/N)	Notes/Observations (incl. during visit weather conditions)
West SWM Pond			Y	No pumping - water level is normal
East SWM Pond			Y	No pumping - water level is normal
Downstream Receiving Swale				
Section 2: Surface Water and/or Spill Control Response Sampling Summary Rpt by Golder Associates Ltd.				
Surface Water Sampling Performed (Y/N): <u>N</u> Details: <u>—</u>				
SW Feature	Time of Inspection	Photos Taken	Notes/Observations (incl. during visit weather conditions)	
East SWM Pond	<u>—</u>	<u>—</u>	<u>—</u>	
West SWM Pond	<u>—</u>	<u>—</u>	<u>—</u>	
Downstream Receiving Swale	SW 1 (US) Station:	<u>—</u>	<u>—</u>	<u>—</u>
	SW 2 (DS) Station:	<u>—</u>	<u>—</u>	<u>—</u>
Tooloy Creek	SW 3 (US) Station:	<u>—</u>	<u>—</u>	<u>—</u>
	SW 4 (DS) Station:	<u>—</u>	<u>—</u>	<u>—</u>
Sign-off				
Courice Power Partners Representative/EMI	Print Name: <u>Elana Varvis</u>	Signature: <u>[Signature]</u>		
Golder Field Representative/CEP:	<u>[Signature]</u>	<u>[Signature]</u>		
Covanta Representative:	<u>[Signature]</u>	<u>[Signature]</u>		



Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report				
Golder Project/Task#s: 12-1151-0155 4000				
Project Contacts		Mobile #s	EASC Monitoring Field Observations/Logistics	
Courice Contact:	Jim Delaney	1-580-422-5350	Date(s): August 15/19	Time(s) of EMI: 2:45 p.m. to 3:00 p.m.
Courice Power Partners Site Contact:	Jeff Bedford	416-574-9526	(start-finish)	Field Staff: Elena Vorvis
Courice Power Partners All Site Contact/H&S Coord:	Janice Campbell	647-537-3779		
Golder P/Water Resources Engineer/GPESC:	Steve Auger	269-884-0586	Health & Safety PPE/Orientation (Y/N, details):	Precipitation
Golder Waste Services Contact/Local H&S Coordinator:	Amy Burke	905-409-9355	Antecedent Weather Conditions:	Mon Aug 11 - 1.3 mm Tues Aug 12 - 24.6 mm Thurs Aug 14 - 1.3 mm
Golder P/D/Senior Water Resources Engineer:	Terry Winfield	416-473-2800	Other Notables:	NO HILL SWALES DURING WALK
Golder All CEP/Field Specialist:	Nick Gorst	416-802-8801		
Golder SW Field Specialist:				
Section 1: EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courice Power Partners				
EASC Measures	Location	Deficiencies	Photos Taken (Y/N)	Notes/Observations/Recommendations
Perimeter Site Fencing	Strategic, Down gradient Reaches Around Site Perimeter	NOTE: DEFICIENCIES WILL BE ADDRESSED	Y	All areas intact
Preservation of Natural Vegetation	All around site perimeter		Y	protected and healthy
Vehicular Entrance to the site			Y	Clear of debris
Stock Piles (No.s 1, 2, Working, Construction Fill)			Y	Hauling loads of stock pile to various areas of the plant
Interceptor Swales, including Rock Check Dams	Around Site Perimeter		Y	All in good order - No pumping
Minor pumping/controlled discharge Efforts			Y	No pumping at the time of the walk
Additional EASC Measures: - Temporary Seeding; - Permanent Seeding; - Sod Stabilization; - Mulching; - Inlet Protection.			Y	All measures still in place



Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report				
Section 1 (continued): EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courtes Power Partners				
ELSC Measures	Time of Observation (if notable/significant)	Defect/Issue	Photos Taken (Y/N)	Notes/Observations (incl. during visit weather conditions)
West SWM Pond			Y	No pumping - water level is normal
East SWM Pond			Y	No pumping - water level is normal
Downstream Receiving Swale				
Section 2: Surface Water and/or Spill Control Response Sampling Summary Rpt by Golder Associates Ltd.				
Surface Water Sampling Performed (Y/N):		Details:		
N		—		
SW Feature	Time of Inspection	Photos Taken	Notes/Observations (incl. during visit weather conditions)	
East SWM Pond	—	—	—	
West SWM Pond	—	—	—	
Downstream Receiving Swale	SW1 (US) Station: SW2 (DS) Station	— —	— —	
Today Creek	SW3 (US) Station: SW4 (DS) Station	— —	— —	
Sign-off				
Courtes Power Partners Representative/EMR	Print Name: <u>Elena Vorvis</u>	Signature: <u>[Signature]</u>		
Golder Field Representative/CFP:	<u>[Signature]</u>	<u>[Signature]</u>		
Coventia Representative:	<u>[Signature]</u>	<u>[Signature]</u>		



Durham-York Energy Centre
 72 Osbourne Rd, Courice, ON
 Golder Associates Ltd.
 ESC and SW Monitoring Program

Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report
 Golder Project File No. 12-1151-0155_4000

Project Contacts			EASC Monitoring Field Observations/Logistics	
Contact	Mobile #		Date(s)	Time(s) of day
Courice Power Partners Site Contact	Jim Deary	1-530-422-8350	AUG 29 11A	
Courice Power Partners All Site Contact/MLB Coord	Jeff Barend	416-574-5325		
Health & Safety PPE Orientation (Y/N, details):	Jenna Caspich	947-537-3779	12:30 PM	
Other Notes:	Steve Rieger	256-291-8500		
	Amy Burke	905-409-9368		
	Terry Winbold	416-473-2530		
	Nick Gyab	416-803-6801		

Field Staff: **ANTHONY CIACCA**

Other Notes: *** NO MILK SNAKES SEEN ***

Section 1: EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courice Power Partners

EASC Measure	Location	Deficiencies	Photos Taken (Y/N)	Notes/Observations/Recommendations
Perimeter Soil Fencing	Strategic Down gradient Reaches Around Site Perimeter		Y	ALL FENCE INTACT
Preservation of Natural Vegetation	All around site perimeter		Y	VEGETATION HEALTHY,
Vehicle Entrance to the site			Y	ROUGH/SWEEP SCHEDULED WK OF SEPT 1
Erosion Control (No. 1, 2, Working, Construction Filt)			Y	PILE INTACT
Accessories (Swales, including Rock Check Dams)	Around Site Perimeter		Y	SWALES CLEAR DRAINING
Minor pumping/controlled discharge Efforts			N	NONE DURING WALK
Additional EASC Measures - Temporary Seeding - Permanent Seeding - Soil Stabilization - Mulching - Silt Protection			Y	ALL ADDITIONAL MEASURES IN PLACE, CATCH BASINS PROTECTED W/ FILTER CLOTH

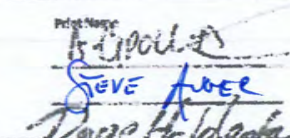
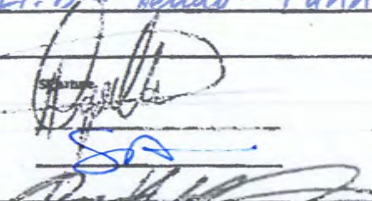


Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report				
Section 1 (continued): EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courville Power Partners				
ELSC Measure	Time of Observation (if applicable/significant)	Deficiencies	Photos Taken (Y/N)	Notes/Observations (incl. during visit weather conditions)
West SWM Pond			Y	PONDS LOW, FREE FLOWING
East SWM Pond			Y	" " "
Downstream Raceway Series		N/A	N/A	N/A
Section 2: Surface Water and/or Spill Control Response Sampling Summary Rpt by Golder Associates Ltd.				
Surface Water Sampling Performed (Y/N):	Y Details = Area very dry, ponds low, stream slow			
SW Feature	Time of Inspection	Photos Taken	Notes/Observations (incl. during visit weather conditions)	
East SWM Pond	1055	Y	- Pond low, no discharge	
West SWM Pond	1106	Y	" "	
Downstream Raceway Series	SW1 (US) Station	1130	Y	- DRY
	SW2 (DS) Station	938	Y	- SW not enough water to collect sample
Tooley Creek	SW3 (US) Station	914	Y	- low flow
	SW4 (DS) Station	952	Y	- low flow.
Sign-off				
Courville Power Partners Representative/EMT	Print Name: A. Ciprera	Signature: [Handwritten]		
Golder Field Representative/CFP	D. Witherides	Signature: [Handwritten]		
Courville Representative	Theresa Hollander	Signature: [Handwritten]		



Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report				
Golder Project/Task#: 12-1151-0155_4000				
Project Contacts		Mobile #s	E&S Monitoring Field Observations/Logistics	
Covenant Contact	Jim Dolaney	1-860-422-5350	Date(s):	Sept 12/14
Courtrice Power Partners Site Contact	Jeff Bedard	416-574-5525	Time(s) of EMI:	
Courtrice Power Partners All Site Contact/H&S Coord	Janica Campbell	647-537-3779	(start-finish)	
Golder PM/Water Resources Engineer/CPE&C	Steve Auger	289-894-0556	Health & Safety PPE/Orientation (Y/N, details):	
Golder Waste Services Contact/Local H&S Coordinator	Amy Burke	905-408-9355	Antecedent Weather Conditions:	* RAIN ON WED 5-10 mm *
Golder PDI/Senior Water Resources Engineer	Terry Winhold	416-473-2600		
Golder Air CEP/Field Specialist	Nick Gorski	416-802-6601		
Golder SW Field Specialist			Other Notables:	
Field Staff: ANTHONY CIRCOLA				
Section 1: EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courtrice Power Partners				
E&S Measures	Location	Deficiencies	Photos Taken (Y/N)	Notes/Observations/Recommendations
Perimeter Silt Fencing	Strategic, Down gradient Reaches Around Site Perimeter		Y	SOME REPAIRS ALONG WEST FENCE NEEDED, ALSO EAST
Preservation of Natural Vegetation	All around site perimeter		Y	ALL VEG IN GOOD CONDITION
Vehicular Entrance to the site			Y	SOME MUD, SWEEP/PLUGH FOR SEPT 15
Stock Piles (No s 1, 2, Working, Construction Fill)			Y	STILL INTACT
Interceptor Swales, including Rock Check Dams	Around Site Perimeter		Y	SOME SEDIMENT, IN SWALES
Minor pumping/controlled discharge Efforts			N	SOME PUMPING IN WEST EXCAVATION
Additional E&S Measures Temporary Seeding; Permanent Seeding; Sod Stabilization; Mulching; Inlet Protection			Y	ALL ADDITIONAL MEASURES IN GOOD ORDER



Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report				
Section 1 (continued): EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courice Power Partners				
ES&C Measure	Time of Observation (if notable/significant)	Deficiencies	Photos Taken (Y/N)	Notes/Observations (incl. during what weather conditions)
West SW11 Pond			Y	LOW, SELF DRAINING PONDS, DRAINING
East SWM Pond			Y	ii
Downstream Receiving Swale			N/A	N/A
Section 2: Surface Water and/or Spill Control Response: Sampling Summary Rpt by Golder Associates Ltd.				
Surface Water Sampling Performed (Y/N):	Y		Date:	Post Rain Fall - Pond discharge
SW Feature	Time of Inspection	Photos Taken	Notes/Observations (incl. during what weather conditions)	
East SWM Pond	1115	Y	- clear, high water level	
West SWM Pond	1125	Y	- clear, high water level	
Downstream Receiving Swale	SW1 (15) Station:	1140	Yes	- clear, medium flow
	SW2 (35) Station:	1245	Yes	- clear, medium flow
Tooley Creek	SW3 (US) Station:	1300	Yes	- li. Br to yellow - tannins
	SW4 (DS) Station:	1230	Yes	li. Br to yellow - tannins
Sign-off				
Courice Power Partners Representative/EMI	 Steve Hoer		 Dave Helderby	
Golder Field Representative/CEP				
Coventia Representative				



Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report				
Golder Project/Task: 12-1151-0155_4000				
Project Contacts		Mobile #s	ES&C Monitoring Field Observations/Logistics	
Coverdale Contact:	Jim Delaney	1-905-422-8360	Date(s):	3:30 PM
Courville Power Partners Site Contact:	Jeff Bedard	416-574-8826	Time(s) of Day:	4:00 PM
Courville Power Partners At Site Contact/H&S Coord:	Jenica Campbell	847-837-3770	(start-finish)	
Golder PM/Water Resources Engineer/CPE&C:	Steve Auger	289-884-8658	Health & Safety PPE/Orientation (Y/N, details):	
Golder Waste Services Contact/Local H&S Coordinator:	Arny Berlin	805-408-8385	Antecedent Weather Conditions:	*PRECIPITATION - OCT 3, 2014
Golder PD/Senior Water Resources Engineer:	Terry Winfield	416-473-2800	Other Notables:	*NO MILKMAKERS SEEN AT TIME OF WALK
Golder At Site Field Specialist:	Nick Gerbin	416-802-4801		
Golder SW Field Specialist:				
Section 1: EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courville Power Partners				
ES&C Measure	Location	Defectiveness	Photos Taken (Y/N)	Notes/Observations/Recommendations
Perimeter Silt Fencing	Strategic, Down gradient Reaches Around Site Perimeter		Y	ALL AREAS INTACT
Preservation of Natural Vegetation	All around site perimeter		Y	PROTECTED & HEALTHY
Vehicular Entrance to the site			Y	CLEAR OF DEBRIS
Stock Piles (No s 1, 2, Working, Construction Pile)			Y	
Interceptor Swales, including Rock Check Dams	Around Site Perimeter	SWALE TO EAST POND HOLDING WATER	Y	ALL OTHER AREAS CLEAR
Minor pumping/control led discharge Efforts			N	NO PUMPING AT TIME OF WORK
Add best ES&C Measures: - Temporary Seeding; - Permanent Seeding; - Sed Stabilization; - Mulching; - Mist Protection.			Y	ALL MEASURES STILL IN PLACE



Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report				
Section 1 (continued): EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Coutrice Power Partners				
ES&C Measure	Time of Observation (if notable/significant)	Deficiencies	Photos Taken (Y/N)	Notes/Observations (incl. during visit weather conditions)
West SWM Pond			Y	NO PUMPING - WATER LEVEL NORMAL
East SWM Pond			Y	NO PUMPING - WATER LEVEL Low
Downstream Receiving Swale				
Section 2: Surface Water and/or Spill Control Response Sampling Summary Rpt by Golder Associates Ltd.				
Surface Water Sampling Performed (Y/N):		Details:		
SW Feature	Time of Inspection	Photos Taken	Notes/Observations (incl. during visit weather conditions)	
East SWM Pond	—	—	—	
West SWM Pond	—	—	—	
Downstream Receiving Swale	SW1 (US) Station:	—	—	
	SW2 (DS) Station:	—	—	
Toolay Creek	SW3 (US) Station:	—	—	
	SW4 (DS) Station:	—	—	
Sign-off				
Coutrice Power Partners Representative/EMI:	Print Name: RONALD GIANNI	Signature: [Signature]		
Golder Field Representative/CEP:	JEFF [Signature]	[Signature]		
Covanta Representative:	Dave [Signature]	[Signature]		



Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report				
Golder Project/Taskfile: 12-1151-0165_4000				
Project Contacts				
Contact	Mobile #	EESC Monitoring Field Observations/Logistics		
Courrice Power Partners Site Contact	Jim Delaney 1-800-422-5300	Date(s):	OCT 18/14	Time(s) of EMI: 1:00 PM
Courrice Power Partners All Site Contact/H&S Coord	Jeff Beaton 416-874-6825	(start-finish)		Field Staff: RONAK GANDHI
Golder PM/Water Resources Engineer/CPEEC	Jenica Campbell 947-537-3779			1:45 PM
Golder Waste Services Contact/Local H&S Coordinator	Steve Auger 226-894-0896	Health & Safety PPE/Orientation (Y/N, details):		
Golder PD/Borrow Water Resources Engineer	Amy Burke 905-409-8355	Antecedent Weather Conditions:		*PRECIPITATION - 25.2mm (Oct 6 th - 10 th)
Golder AK CEP/Field Specialist	Terry Winhold 416-473-2800	Other Notables:		*NO MILK SUPPLIES SEEN AT TIME OF WORK
Golder SW Field Specialist	Nick Geraci 416-802-0801			

Section 1: EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courrice Power Partners				
EESC Measure	Location	Deficiencies	Photos Taken (Y/N)	Notes/Observations/Recommendations
Perimeter Silt Fencing	Strategic, Down gradient Reaches Around Site Perimeter		Y	ALL AREAS INTACT
Preservation of Natural Vegetation	All around site perimeter		Y	PROTECTED & Healthy
Vehicle Entrance to the site			Y	CLEAR OF DEBRIS
StockPiles (No. 1, 2, Working, Construction Fill)			Y	
Interceptor Swale, including Rock Check Dams	Around Site Perimeter	EAST SWALE RETAINING WATER	Y	ALL OTHER AREAS CLEAR
Minor pumping/controlled discharge Efforts			N	NO PUMPING AT TIME OF WORK
Additional EESC Measures: - Temporary Seeding; - Permanent Seeding; - Sod Stabilization; - Mulching; - Inlet Protection.			Y	ALL MEASURES STILL IN PLACE



Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report				
Section 1 (continued): EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courica Power Partners				
EASC Measure	Time of Observation (if notable/significant)	Deficiencies	Photos Taken (Y/N)	Notes/Observations (incl. during visit weather conditions)
West SWM Pond			Y	NO PUMPING - WATER LEVEL NORMAL
East SWM Pond			Y	NO PUMPING - WATER LEVEL NORMAL
Downstream Receiving Swale				
Section 2: Surface Water and/or Spill Control Response Sampling Summary Rpt by Golder Associates Ltd.				
Surface Water Sampling Performed (Y/N):		Details:		
N		-		
SW Feature	Time of Inspection	Photos Taken	Notes/Observations (incl. during visit weather conditions)	
East SWM Pond	-	-	-	
West SWM Pond	-	-	-	
Downstream Receiving Swale	SW1 (US) Station: SW2 (DS) Station:	- -	-	
Toolay Creek	SW3 (US) Station: SW4 (DS) Station:	- -	-	
Sign-off				
Courica Power Partners Representative/EMI:	Print Name RONAK GANDHI	Signature 		
Golder Field Representative/CEP:	STEVE AUGER			
Cavanta Representative:				



Durham-York Energy Centre - Erosion and Sediment Control (E&SC) Monitoring Report					
Golder Project/Task#: 12-1151-0155_4000					
Project Contacts		Mobile #s	E&SC Monitoring Field Observations/Logistics		
Corvina Contact:	Jim Delaney	1-860-422-6350	Date:	Nov. 2, 2014	Field Staff: J. Delaney
Curis Power Partners Site Contact	Jeff Bedard	416-574-9825			
Curis Power Partners All Site Contact/H&S Coord	Janece Campbell	647-537-3779			
Golder PM/Water Resources Engineer/CPESC	Steve Auger	289-894-0556	Health & Safety PPE/Orientation (Y/N, details):		
Golder Waste Services Contact/Local H&S Coordinator	Amy Burke	905-409-8355	Antecedent Weather Conditions:		
Golder PD/Senior Water Resources Engineer	Terry Winhold	416-473-2600	Clear at time of inspection		
Golder Alt CEP/Field Specialist	Nick Geraki		Most Recent Rain - 10/31 - 11/01		
Field Specialist	Peter Hebert		Other Notables:		
E&SC Measures	Time of Inspection	Location	Deficiencies	Photos Taken (Y/N)	Notes/Observations/Recommendations
Perimeter Silt Fencing	3:00 pm	Strategic, Downgradient Reaches Around Site Perimeter	None	Yes	All permanent vegetation along perimeter of Site is well established and there is no risk of sediment run-off from the Site. Recommend final inspection for removal of silt fencing.
Preservation of Natural Vegetation	3:00 pm		None	Yes	Permanent vegetation well established where planted.
Vehicular Entrance to the site	3:00 pm		None	No	Entrances have paved approaches; no visible signs of mud tracking
StockPiles (No.s 1, 2, Working, Construction Fill)	3:00 pm		None	Yes	Top Soil Storage Stockpile is active as the material is being used for final grading.
Interceptor Swale, including Rock Check Dams	3:00 pm	Around Site Perimeter	None	Yes	East swale is being graded to final elevations and requires silt removal; west swale vegetation is fully established.
Dewatering Efforts	N/A		None	N/A	Not applicable - No Dewatering
Additional E&SC Measures - Temporary Seeding; - Permanent Seeding; - Sod Stabilization; - Mulching; - Inlet Protection.	3:00 pm		None	Yes	Permanent vegetation is fully established' along west and south perimeters. Sod recently placed along east perimeter on Osborne Road. Permanent vegetation outstanding at east boundary.



Durham York Energy Centre - Erosion and Sediment Control (EASC) Monitoring Report

EASC Measures	Time of Inspection	Deficiencies	Photos Taken (Y/N)	Notes/Observations (incl. during visit weather conditions)
West SWM Pond	3:00 pm	None	Yes	Pond is naturally discharging; effluent is clear at discharge pipe
East SWM Pond	3:00 pm	None	Yes	Pond is not discharging at time of inspection. The discharge point in the Conveyance Swale exhibits silt build-up from upstream sources and will need to be cleaned by others.
Downstream Receiving Swale	3:00 pm	None	Yes	South Conveyance Swale is flowing from upstream sources.

Surface Water Sampling Performed (Y/N): _____

Details: _____

SW Feature	Time of Inspection	Photos Taken	Notes/Observations (incl. during visit weather conditions)
East SWM Pond			
West SWM Pond			
Downstream Receiving Swale			
Today Creek			

Sign-off

	Print Name	Signature
Curtis Power Partners Representative/EM:	N/A	
Golder Field Representative/CEP:	<u>Jessica Hanschell</u>	<u>J. Herrault (per Steve Auger)</u>
Covanta Representative:	<u>James Delaney</u>	<u>Open Access 11-2-2014</u>



Durham-York Energy Centre - Erosion and Sediment Control (EASC) Monitoring Report					
Golder Project/Task#: 12-1151-0155_4000					
Project Contacts		Mobile #s	EASC Monitoring Field Observations/Logistics		
Corporate Contact:	Jim Delaney	1-850-422-5350	Date:	Nov. 23, 2014	Field Staff: J. Delaney
Curie Power Partners Site Contact	Jeff Bedard	416-574-5525			
Curie Power Partners Alt Site Contact/H&S Coord	Jenice Campbell	647-537-3778			
Golder PM/Water Resources Engineer/CPEBC:	Steve Auger	289-894-0556	Health & Safety PPE/Orientation (Y/N, details):		
Golder Waste Services Contact/Local H&S Coordinator:	Amy Burke	508-408-8355	Antecedent Weather Conditions:		
Golder PD/Senior Water Resources Engineer:	Terry Winhold	416-473-2800	Cloudy at time of inspection		
Golder Alt CEP/Field Specialist	Nick Gorak		Most Recent Rain - 11/22		
Field Specialist:	Peter Hebert		Site vegetation well established; additional sod placed at Visitors' Centre, along shoulders and at East and West Ponds		
Other Notables:					
EASC Measures	Time of Inspection	Location	Deficiencies	Photos Taken (Y/N)	Notes/Observations/Recommendations
Perimeter Silt Fencing	2:00 pm	Strategic Downgradient Reaches Around Site Perimeter	None	Yes	All permanent vegetation along perimeter of Site is well established and there is no risk of sediment run-off from the Site.
Preservation of Natural Vegetation	2:00 pm		None	Yes	Permanent vegetation well established where planted.
Vehicular Entrance to the site	2:00 pm		Minor build-up of silt at secondary entrance road.	Yes	Entrances have paved approaches; minor build up of mud at secondary entrance.
StockPiles (No.s 1, 2, Working, Construction Fill)	2:00 pm		None	Yes	Top Soil Storage Stockpile is active as the material is being used for final grading.
Interceptor Swale, Including Rock Check Dams	2:00 pm	Around Site Perimeter	None	Yes	East swale has been graded to final elevations and requires silt removal and stabilization at a future date; west swale vegetation is fully established.
Dewatering Efforts	N/A		None	N/A	Not applicable - No Dewatering
Additional EASC Measures: - Temporary Seeding; - Permanent Seeding; - Sod Stabilization; - Mulching; - Inlet Protection.	2:00 pm		None	Yes	Permanent vegetation is fully established' along west and south perimeters. Sod recently placed along east perimeter on Osborne Road. Permanent vegetation outstanding at east boundary.



Durham York Energy Centre - Erosion and Sediment Control (EASC) Monitoring Report

EASC Measures	Time of Inspection	Deficiencies	Photos Taken (Y/N)	Notes/Observations (incl. during visit weather conditions)
West SWM Pond	2:00 pm	None	Yes	Pond is naturally discharging; discharge pipe was not inspected due to safety concerns with wet slope.
East SWM Pond	2:00 pm	None	Yes	Pond is not discharging at time of inspection.
Downstream Receiving Swale	N/A	Swale Not Inspected	No	South Conveyance Swale is flowing from upstream sources.

Surface Water Sampling Performed (Y/N): _____

Details: _____

SW Feature	Time of Inspection	Photos Taken	Notes/Observations (incl. during visit weather conditions)
East SWM Pond			
West SWM Pond			
Downstream Receiving Swale			
Toolay Creek			

Sign-off

Curis Power Partners Representative/EM:	Print Name <u>N/A</u>	Signature <u>[Signature]</u>
Golder Field Representative/CEP:	<u>Jessica Hanschell</u>	<u>[Signature] (per Steve Auger)</u>
Covanta Representative:	<u>James Delaney</u>	



Durham-York Energy Centre - Erosion and Sediment Control (E&S) Monitoring Report					
Golder Project/Task#: 12-1151-0155_4000					
Project Contacts		Mobile #s	E&S Monitoring Field Observations/Logistics		
Contract Contact:		Jim Delaney 1-860-422-5350	Date: November 27, 2014	Field Staff: Amanda Huxter	
Genie Power Partners Site Contact:		Jeff Bodard 416-674-5565			
Genie Power Partners AK Site Contact/H&S Coordinator:		Justin Campbell 249-289-3336			
Golder PM/Water Resources Engineer/CPEBC:		Steve Auger 289-884-0556	Health & Safety PPE/Orientation (Y/N, details):		
Golder Waste Services Contact/Local H&S Coordinator:		Amy Burke 905-409-8355	Antecedent Weather Conditions:		
Golder PD/Senior Water Resources Engineer:		Terry Winhold 416-473-2800	Last rain event: 25-Nov-14		
Golder AK CEP/Field Specialist		Nick Gorski	Weather - clear		
Field Specialist		Peter Hebert	Other Notables:		
E&S Measure	Time of Inspection	Location	Deficiencies	Photos Taken (Y/N)	Notes/Observations/Recommendations
Perimeter Silt Fencing	14:30	Strategic, Downgradient Reaches Around Site Perimeter	None noted	Yes	All permanent vegetation along perimeter of Site is well established and there is no risk of sediment run-off from Site.
Preservation of Natural Vegetation	14:30		None noted	Yes	Permanent vegetation well established where planted
Vehicular Entrance to the site	14:30		None noted	Yes	Gate 1 entrance clear of silt; Gate 2 entrance has minor build up of silt-mud
Stock Piles (Nos 1, 2, Working, Construction Fill)	14:30		None noted	Yes	Top Soil Storage Stockpile is active. Material is being used for final grading.
Interceptor Swales, including Rock Check Dams	14:30	Around Site Perimeter	Silt build up in east swale, monitor for clean out	Yes	East swale has silt build up from north of Gate 2 to E SWP
Dewatering Efforts	14:30		Not applicable	No	No dewatering at the time
Additional E&S Measures: - Temporary Seeding; - Permanent Seeding; - Sod Stabilization; - Mulching; - Inlet Protection.	14:30		None	Yes	Permanent vegetation fully established along west and south and north perimeters Permanent vegetation added along east perimeter. Sod laying west of APC



Durham York Energy Centre - Erosion and Sediment Control (E&SC) Monitoring Report

E&SC Measures	Time of Inspection	Deficiencies	Photos Taken (Y/N)	Notes/Observations (incl. during visit weather conditions)
West SWM Pond	14:30	None	Yes	Pond is naturally receiving and discharging water.
East SWM Pond	14:30	None	Yes	Pond is naturally receiving and discharging water. Side view of discharge pipe due to water level in swale.
Downstream Receiving Swale	14:30	None	No	Receiving swale shows water movement

Surface Water Sampling Performed (Y/N): _____ Details: _____

SW Feature	Time of Inspection	Photos Taken	Notes/Observations (incl. during visit weather conditions)
East SWM Pond			
West SWM Pond			
Downstream Receiving Swale			
Trolley Creek			

Sign-off

	Print Name	Signature
Curtis Power Partners Representative/EM	_____	_____
Golder Field Representative/CEP:	Jessica Hanschell	Hanschell (Golder Representative)
Covanta Representative:	Amanda Huxter	Amanda Huxter

**Durham-York Energy Centre
1835 Energy Drive, Courtice, ON
Golder Associates Ltd.**



ESC and SW Monitoring Program

Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report				
Golder Project/Task#: 12-1151-0155_4000				
Project Contacts		Mobile #	E&SC Monitoring Field Observations/Logistics	
Covanta Contact:	Jim Delaney	1-860-422-5360	Date(s):	5-Dec-14
Covanta Contact:	Amanda Huxter	289-685-5291	Time(s) of EMI:	15:30 - 16:20
			(start-finish)	
			Field Staff: Amanda Huxter	
Golder PM/Water Resources and Waste Contact/Local H&S Coordinator:	Jessica Hanschell	613-502-9600	Health & Safety PPE/Orientation (Y/N, details):	
Golder Eniro Fire/Services Contact/Local H&S Coordinator:	Devon Witheridge	905-409-3513	Antecedent Weather Conditions:	
Golder PD/Senior Water Resources Engineer:	Terry Winhold	416-473-2800	Dec 1-5 = no precipitation	
Golder Alt CEP/Field Specialist	Nick Gorski	416-602-6601	Nov 30 - 0.8 mm rain	
Golder SW Field Specialists			Overcast	
			Temp - ~3°C	
			Other Notables:	
Section 1: EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courtrice Power Partners				
E&SC Measures	Location	Deficiencies	Photos Taken (Y/N)	Notes/Observations/Recommendations
Perimeter Silt Fencing	Strategic, Down gradient Reaches Around Site Perimeter	None	Y	Silt fence has been removed around perimeter of facility
Preservation of Natural Vegetation	All around site perimeter	None	Y	Permanent vegetation is well established. Some species identified by The MBTW Group as not to spec (sparse foliage, do not reach minimum height) have been highlighted for removal and replacement. Location: snow storage area, west of west ring road.)
Vehicular Entrance to the site		Yes	Y	Gate 1 is clear of sediment Moderate build up of gravel-mud at Gate 2
Stock Piles (No.s 1, 2, Working, Construction Fill)		None	Y	Top Soil Storage Stockpile is active. Material is being used for final grading.
Interceptor Swale, Including Rock Check Dams	Around Site Perimeter	Yes	Y	All rock check dams in good condition East swale has build up of silt-mud. West has minor silt build up. Culverts require cleaning.
Minor pumping/controlled discharge Efforts		None	N	Not applicable - No dewatering
Additional E&SC Measures: - Temporary Seeding; - Permanent Seeding; - Sod Stabilization; - Mulching; - Inlet Protection.				Permanent vegetation is well established. Sod is rutted due to construction traffic.

**Durham-York Energy Centre
1835 Energy Drive, Courtice, ON
Golder Associates Ltd.**



ESC and SW Monitoring Program

Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report				
Section 1 (continued): EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courtice Power Partners				
EASC Measures	Time of Observation (If notable/ significant)	Deficiencies	Photos Taken (Y/N)	Notes/Observations (Incl. during visit weather conditions)
West SWM Pond		None	Y	Naturally discharging into pond and into receiving swale
East SWM Pond		None	Y	Naturally discharging into pond; not discharging into receiving swale (No photo of receiving swale discharge point)
Downstream Receiving Swale		None	Y	Receiving swale west of W SWP discharge point is flowing from upstream sources
Section 2: Surface Water and/or Spill Control Response Sampling Summary Rpt by Golder Associates Ltd.				
Surface Water Sampling Performed (Y/N): <u> N </u> Details: <u> — </u>				
SW Feature	Time of Inspection	Photos Taken	Notes/Observations (Incl. during visit weather conditions)	
East SWM Pond	—	—	—	
West SWM Pond	—	—	—	
Downstream Receiving Swale			SW1 (US) Station:	—
			SW2 (DS) Station:	—
Tooley Creek			SW3 (US) Station:	—
			SW4 (DS) Station:	—
Sign-off				
	Print Name	Signature		
Courtice Power Partners Representative/EMI				
Golder Field Representative/CEP:	<u>Jessica Hanschell</u>	<u>J. Hanschell (Golder Representative)</u>		
Covanta Representative:	Amanda Huxter	<u>Amanda Huxter B.Sc. A.C.T.</u>		

**Durham-York Energy Centre
1835 Energy Drive, Courtice, ON
Golder Associates Ltd.**



ESC and SW Monitoring Program

Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report			
Golder Project/Task#: 12-1151-0155_4000			
Project Contacts		Mobile #s	E&SC Monitoring Field Observations/Logistics
Covanta Contact:	Jim Delaney	1-860-422-5350	Date(s): 11-Dec-14 Time(s) of EMI: Field Staff: Amanda Huxter
Covanta Contact:	Amanda Huxter	289-885-5291	10:30 AM (start-finish) 11:20 AM
Golder PM/Water Resources and Waste Contact/Local H&S Coordinator:	Jessica Hanschell	613-592-9600	Health & Safety PPE/Orientation (Y/N, details):
Golder Enviro Field Services Contact/Local H&S Coordinator:	Devon Witheridge	905-409-3513	Antecedent Weather Conditions: Dec 8 - 2 mm rain Light snow showers, -6°C
Golder PD/Senior Water Resources Engineer:	Terry Winhold	416-473-2800	Dec 10 - 9 cm snow
Golder Alt CEP/Field Specialist:	Nick Gorski	416-802-6601	http://climate.weather.gc.ca/climateData/dailydata_e.html?timeframe=2&Prov=ON&StationID=4996&dlyRang e=1969-08-01%7C2014-12-08&Year=2014&Month=12&cmdB1=Go
Golder SW Field Specialists:			Other Notables:

Section 1: EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courtice Power Partners				
E&SC Measures	Location	Deficiencies	Photos Taken (Y/N)	Notes/Observations/Recommendations
Perimeter Silt Fencing	Strategic, Down gradient Reaches Around Site Perimeter	None	Y	Silt fencing has been removed - 4 to 6 inch lip remains; silt fencing removed outside SE corner of property on Courtice Water Pollution Control Plant road north of rail tracks
Preservation of Natural Vegetation	All around site perimeter	None	N	Permanent vegetation is well established. Some species identified in Landscape Inspection not to spec. (sparse foliage, does not reach minimum height)
Vehicular Entrance to the site		N/A	Y	Driveways are snow covered.
Stock Piles (No.s 1, 2, Working, Construction Fill)		None	Y	Top soil storage stockpile is active. Material is being used for final grading.
Interceptor Swale, including Rock Check Dams	Around Site Perimeter	Yes	Y	All rock check dams in good condition. Some debris/garbage found in swales. Culverts require cleaning.
Minor pumping/controlled discharge Efforts		N/A	N	Not applicable - No dewatering
Additional E&SC Measures: - Temporary Seeding; - Permanent Seeding; - Sod Stabilization; - Mulching; - Inlet Protection.			N	Permanent vegetation is well established. Ground is snow covered. Ponds are partially frozen.

**Durham-York Energy Centre
1835 Energy Drive, Courtice, ON
Golder Associates Ltd.**



ESC and SW Monitoring Program

Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report				
Section 1 (continued): EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courtrice Power Partners				
E&SC Measures	Time of Observation (if notable/ significant)	Deficiencies	Photos Taken (Y/N)	Notes/Observations (Incl. during visit weather conditions)
West SWM Pond		None	Y	No discharge into pond noted. Naturally discharging into pond outlet structure. No discharge into receiving swale noted.
East SWM Pond		None	Y	Naturally discharging into pond forebay. No discharging noted into outlet structure or receiving swale.
Downstream Receiving Swale		None	Y	Receiving swale west of W SWP discharge point is flowing from upstream sources.
Section 2: Surface Water and/or Spill Control Response Sampling Summary Rpt by Golder Associates Ltd.				
Surface Water Sampling Performed (Y/N): <u> N </u> Details: <u> - </u>				
SW Feature	Time of Inspection	Photos Taken	Notes/Observations (Incl. during visit weather conditions)	
East SWM Pond	-	-	-	
West SWM Pond	-	-	-	
Downstream Receiving Swale	SW1 (US) Station:	-	-	-
	SW2 (DS) Station:	-	-	-
Tooley Creek	SW3 (US) Station:	-	-	-
	SW4 (DS) Station:	-	-	-
Sign-off				
	Print Name		Signature	
Courtrice Power Partners Representative/EMI	_____	_____	_____	
Golder Field Representative/CEP:	<u>Jessica Hanschell</u>	<u>Jessica Hanschell</u>	<u>Jessica Hanschell (Golder Representative)</u>	
Covanta Representative:	Amanda Huxter	<u>Amanda Huxter</u>	<u>Amanda Huxter BSc. A&ET</u>	

**Durham-York Energy Centre
1835 Energy Drive, Courtice, ON
Golder Associates Ltd.**



ESC and SW Monitoring Program

Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report				
Golder Project/Tasks: 12-1151-0155_4000				
Project Contacts		Mobile #s	E&SC Monitoring Field Observations/Logistics	
Covanta Contact:	Jim Delansy	1-860-422-5350	Date(s): 18-Dec-14	Time(s) of EMI: 9:30AM
Covanta Contact:	Amanda Huxter	289-685-6291	Field Staff: Amanda Huxter	
Golder PM/Water Resources and Waste Contact/Local H&S Coordinator:		Jessica Hanschell	Health & Safety PPE/Orientation (Y/N, details):	
Golder Enviro Field Services Contact/Local H&S Coordinator:		Devon Witheridge	Antecedent Weather Conditions: Rain: 13-Dec 4.6mm / 14-Dec 0.8mm / 15-Dec 1.2mm / 16-Dec 10.5mm / 17-Dec 2.7mm)	
Golder PD/Senior Water Resources Engineer:		Terry Winhold	http://climate.weather.gc.ca/climateData/dailydata_e.html?timeframe=2&Prov=ON&StationID=4996&dlyRange=1969-08-01%7C2014-12-08&Year=2014&Month=12&cmdB1=Go	
Golder Alt CEP/Field Specialist:		Nick Gorski	Other Notables: Current conditions: -1°C, broken cloud cover	
Golder SW Field Specialists:				
Section 1: EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courtice Power Partners				
E&SC Measures	Location	Deficiencies	Photos Taken (Y/N)	Notes/Observations/Recommendations
Perimeter Silt Fencing	Strategic, Down gradient Reaches Around Site Perimeter	None	Y	Silt fencing has been removed - 4 to 6 inch lip remains; silt fencing removed outside SE corner of property on Courtice Water Pollution Control Plant road north of rail tracks
Preservation of Natural Vegetation	All around site perimeter	None	Y	Permanent vegetation is well established.
Vehicular Entrance to the site		Yes	Y	Gate 1 driveway clear of debris, Gate 2 mud-caked
StockPiles (No.s 1, 2, Working, Construction Fill)		None	Y	Top soil storage stockpile is active. Material is being used for final grading.
Interceptor Swale, including Rock Check Dams	Around Site Perimeter	Yes	Y	All rock check dams in good condition. East swale contains build up of silt. Culverts/swales to be monitored for clean out.
Minor pumping/controlled discharge Efforts		N/A	N	Not applicable - No dewatering
Additional E&SC Measures: - Temporary Seeding; - Permanent Seeding; - Sod Stabilization; - Mulching; - Inlet Protection.		None	N	Permanent vegetation is well established. Ponds are partially frozen.



ESC and SW Monitoring Program

Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report				
Section 1 (continued): EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courtice Power Partners				
E&SC Measures	Time of Observation (if notable/significant)	Deficiencies	Photos Taken (Y/N)	Notes/Observations (incl. during visit weather conditions)
West SWM Pond		None	Y	Naturally discharging into pond forebay, pond outlet structure and receiving swale
East SWM Pond		None	Y	Naturally discharging into pond forebay. No discharging noted into outlet structure or receiving swale. Discharge pipe is silted in ~50%. Monitor for clean out.
Downstream Receiving Swale		None	Y	Receiving swale at west and east discharge points is flowing from upstream sources.
Section 2: Surface Water and/or Spill Control Response Sampling Summary Rpt by Golder Associates Ltd.				
Surface Water Sampling Performed (Y/N):		<u>Y</u>	Details: <u>On-site for December sampling on Dec 23, 2014 and monitoring.</u>	
SW Feature	Time of Inspection	Photos Taken	Notes/Observations (incl. during visit weather conditions)	
East SWM Pond	9:40 am	Y	No discharge, pond partly iced over. Clear, low turbidity.	
West SWM Pond	9:50 am	Y	Pond frozen.	
Downstream Receiving Swale	SW1 (US) Station:	10:05 am	Y	clear, medium flow, low turbidity.
	SW2 (DS) Station:	11:45 am	Y	Medium turbidity (68 NTU), also low flow.
Tooley Creek	SW3 (US) Station:	11:00 am	N	Low turbidity, no colour, medium flow
	SW4 (DS) Station:	11:30 am	Y	low turbidity, no colour, medium flow.
Sign-off				
	Print Name	Signature		
Courtice Power Partners Representative/EMI				
Golder Field Representative/CEP:	<u>Jessica Henschell</u>	<u>[Signature]</u> (Golder Representative)		
Covanta Representative:	Amanda Huxter	<u>[Signature]</u> BSc ASET		

**Durham-York Energy Centre
1835 Energy Drive, Courtice, ON
Golder Associates Ltd.**

ESC and SW Monitoring Program



Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report			
Golder Project/Task#: 12-1151-0155_4000			
Project Contacts		Mobile #s	E&SC Monitoring Field Observations/Logistics
Covenant Contact:	Jim Delaney	1-860-422-5350	Date(s): 30-Dec-14 Time(s) of EMI: Field Staff: Amanda Huxter
Covenant Contact:	Amanda Huxter	269-885-5291	9:30AM (start-time) 10:45 AM
Golder PM/Water Resources and Waste Contact/Local H&S Coordinator:		Jessica Harschell 613-592-9600	Health & Safety PPE/Orientation (Y/N, details):
Golder Enviro Field Services Contact/Local H&S Coordinator:		Devon Witheridge 905-409-3513	Antecedent Weather Conditions: Dec 24 - 4.8 mm rain / Dec 27 - 0.8 mm rain
Golder PD/Senior Water Resources Engineer:		Terry Winhold 416-473-2800	http://climate.weather.gc.ca/climateData/dailydata_e.html?timeframe=2&Prov=ON&StationID=4996&dlyRange=1969-08-01%7C2014-12-08&Year=2014&Month=12&cmdB1=Go
Golder Alt CEP/Field Specialist		Nick Gorski 416-802-6601	
Golder SW Field Specialists			
Other Notables:			Current conditions: -7°C, broken cloud cover

Section 1: EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courtice Power Partners				
E&SC Measures	Location	Deficiencies	Photos Taken (Y/N)	Notes/Observations/Recommendations
Perimeter Silt Fencing	Strategic, Down gradient Reaches Around Site Perimeter	None	Y	Silt fencing has been removed - 4 to 6 inch lip remains; silt fencing removed outside SE corner of property on Courtice Water Pollution Control Plant road north of rail tracks
Preservation of Natural Vegetation	All around site perimeter	None	Y	Permanent vegetation is well established.
Vehicular Entrance to the site		None	Y	Gate 1 driveway clear of debris, Gate 2 has some dried mud and gravel
Stock Piles (No.s 1, 2, Working, Construction Fill)		None	N	Top soil storage stockpile is active. Material is being used for final grading.
Interceptor Swale, including Rock Check Dams	Around Site Perimeter	Yes	Y	All rock check dams in good condition. East swale contains build up of silt. Culverts/swales to be monitored for clean out.
Minor pumping/controlled discharge Efforts		N/A	N	Not applicable - No dewatering
Additional E&SC Measures: - Temporary Seeding; - Permanent Seeding; - Sod Stabilization; - Mulching; - Inlet Protection.		None	N	Permanent vegetation is well established. Ponds are partially frozen.

**Durham-York Energy Centre
1835 Energy Drive, Courtice, ON
Golder Associates Ltd.**

ESC and SW Monitoring Program



Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report			
Golder Project/Tasks: 12-1151-0155_4000			
Project Contacts		Mobile #s	E&SC Monitoring Field Observations/Logistics
Covanta Contact:	Jim Delaney	1-880-422-5350	Date(s): 9-Jan-15 Time(s) of EMI: Field Staff: Amanda Huxter
Covanta Contact:	Amanda Huxter	269-685-5291	12:30PM (start-finish) 1:40PM
Golder PM/Water Resources and Waste Contact/Local H&S Coordinator:	Jessica Hanschell	813-592-9600	Health & Safety PPE/Orientation (Y/N, details):
Golder Enviro Field Services Contact/Local H&S Coordinator:	Devon Witheridge	905-409-3513	Antecedent Weather Conditions: Jan 3 - Rain: 17.1mm, Snow: 1.5cm / Jan 4 - Rain: 5.4mm / Jan 8 - Snow 2.0 cm
Golder PD/Senior Water Resources Engineer:	Terry Winhold	416-473-2800	http://climate.weather.gc.ca/climateData/dailydata_e.html?timeframe=2&Prov=ON&StationID=4996&dlyRange=1969-08-01 2015-01-11&Year=2015&Month=1&Day=01
Golder Alt CEP/Field Specialist	Nick Gorski	416-902-6601	Current conditions: -5°C, scattered cloud cover
Golder SW Field Specialists			Other Notables:

Section 1: EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courtice Power Partners				
E&SC Measures	Location	Deficiencies	Photos Taken (Y/N)	Notes/Observations/Recommendations
Perimeter Silt Fencing	Strategic, Down gradient Reaches Around Site Perimeter	None	Y	Silt fencing removed to 3-4 inches above ground.
Preservation of Natural Vegetation	All around site perimeter	None	Y	Permanent vegetation is well established.
Vehicular Entrance to the site		None	Y	Gate 1 driveway clear of debris, Gate 2 has some dried mud and gravel
StockPiles (No.s 1, 2, Working, Construction Fill)		None	Y	Top soil storage stockpile is frozen.
Interceptor Swale, Including Rock Check Dams	Around Site Perimeter	Yes	Y	All rock check dams in good condition. All swales are frozen Culverts/swales to be monitored for clean out.
Minor pumping/controlled discharge Efforts		N/A	N	Not applicable - No dewatering
Additional E&SC Measures: - Temporary Seeding; - Permanent Seeding; - Sod Stabilization; - Mulching; - Inlet Protection.		None	Y	Permanent vegetation is well established. Ponds are frozen.



ESC and SW Monitoring Program

Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report				
Section 1 (continued): EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courtice Power Partners				
E&SC Measures	Time of Observation (if notable/significant)	Deficiencies	Photos Taken (Y/N)	Notes/Observations (incl. during visit weather conditions)
West SWM Pond		None	Y	Trickle discharge into West forebay and into outlet structure. No discharge into receiving swale. Pond frozen.
East SWM Pond		None	Y	Inlet snowed over, no discharge into outlet structure or receiving swale. Pond frozen.
Downstream Receiving Swale		None	Y	Receiving swales frozen.
Section 2: Surface Water and/or Spill Control Response Sampling Summary Rpt by Golder Associates Ltd.				
Surface Water Sampling Performed (Y/N):		Details:		
SW Feature	Time of Inspection	Photos Taken	Notes/Observations (incl. during visit weather conditions)	
East SWM Pond	-	-	-	
West SWM Pond	-	-	-	
Downstream Receiving Swale	SW1 (US) Station: SW2 (DS) Station:	- -	-	
Tooley Creek	SW3 (US) Station: SW4 (DS) Station:	- -	-	
Sign-off				
	Print Name	Signature		
Courtice Power Partners Representative/EMI				
Golder Field Representative/CEP:	<u>Jessica Hanschell</u>	<u>Jessica Hanschell (Golder Representative)</u>		
Covanta Representative:	Amanda Huxter	<u>Amanda Huxter BSc ASCT</u>		

**Durham-York Energy Centre
1835 Energy Drive, Courtice, ON
Golder Associates Ltd.**



ESC and SW Monitoring Program

Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report			
Golder Project/Taskids: 12-1151-0155_4000			
Project Contacts		Mobile #s	E&SC Monitoring Field Observations/Logistics
Covanta Contact:	Jim Delaney	1-860-422-5350	Date(s): 15-Jan-15 Time(s) of EMI: Field Staff: Amanda Huxter
Covanta Contact:	Amanda Huxter	289-685-5291	10:30AM (start-finish) 2:30PM
Golder PM/Water Resources and Waste Contact/Local H&S Coordinator:		Jessica Hanschell 613-592-9600	Health & Safety PPE/Orientation (Y/N, details):
Golder Enviro Field Services Contact/Local H&S Coordinator:		Devon Witheridge 905-409-3513	Antecedent Weather Conditions: Jan 11 - 1.5cm snow / Jan 12 - 2.5cm snow
Golder PD/Senior Water Resources Engineer:		Terry Winhold 416-473-2800	http://climate.weather.gc.ca/climateData/dailydata_e.html?timeframe=2&Prov=ON&StationID=4996&dlyRange=1969-08-01 2015-01-11&Year=2015&Month=1&Day=01
Golder Alt CEP/Field Specialist:		Nick Gorski 416-802-6601	
Golder SW Field Specialist:			
Other Notables:			Current conditions: -7°C, broken cloud cover

Section 1: EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courtice Power Partners				
E&SC Measures	Location	Deficiencies	Photos Taken (Y/N)	Notes/Observations/Recommendations
Perimeter Silt Fencing	Strategic, Down gradient Reaches Around Site Perimeter	None	Y	Silt fencing removed to 3-4 inches above ground.
Preservation of Natural Vegetation	All around site perimeter	None	Y	Permanent vegetation is well established.
Vehicular Entrance to the site		None	Y	Gate 1 driveway clear of debris, Gate 2 has some frozen, dried mud and gravel
StockPiles (No.s 1, 2, Working, Construction Fill)		None	Y	Top soil storage stockpile is frozen.
Interceptor Swale, including Rock Check Dams	Around Site Perimeter	Yes	Y	All rock check dams in good condition. All swales are frozen Culverts/swales to be monitored for clean out.
Minor pumping/controlled discharge Efforts		N/A	N	Not applicable - No dewatering
Additional E&SC Measures: - Temporary Seeding; - Permanent Seeding; - Sod Stabilization; - Mulching; - Inlet Protection.		None	Y	Permanent vegetation is well established. Ground has approximately 1-2 inches of snow.



ESC and SW Monitoring Program

Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report				
Section 1 (continued): EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courtice Power Partners				
E&SC Measures	Time of Observation (if notable/significant)	Deficiencies	Photos Taken (Y/N)	Notes/Observations (incl. during visit weather conditions)
West SWM Pond		None	Y	Trickle discharge into West forebay. No discharge into outlet structure or receiving swale. Pond frozen.
East SWM Pond		None	Y	Trickle discharge into East forebay. No discharge into outlet structure or receiving swale. Pond frozen.
Downstream Receiving Swale		None	Y	Receiving swales are frozen. Inspected on 16-Jan-15.
Section 2: Surface Water and/or Spill Control Response Sampling Summary Rpt by Golder Associates Ltd.				
Surface Water Sampling Performed (Y/N):		<u>Y</u>	Details: <u>Monthly surface water monitoring conducted on Jan 15, 2015</u>	
SW Feature	Time of Inspection	Photos Taken	Notes/Observations (incl. during visit weather conditions)	
East SWM Pond	9:20	Y	Pond frozen, mostly snow covered.	
West SWM Pond	9:30	Y	Pond frozen, entirely snow covered. Algae observed approx 1m downstream of west outlet.	
Downstream Receiving Swale	SW1 (US) Station:	9:45	Y	Frozen creek.
	SW2 (DS) Station:	10:45	Y	Frozen creek.
Tooley Creek	SW3 (US) Station:	10:30	Y	Creek mostly frozen.
	SW4 (DS) Station:	10:25	Y	Parts of creek frozen. Low flow observed.
Sign-off				
	Print Name	Signature		
Courtice Power Partners Representative/EMI				
Golder Field Representative/CEP:	<u>Jessica Hanschell</u>	<u>Jessica Hanschell (Golder Representative)</u>		
Covanta Representative:	Amanda Huxter	<u>Amanda Huxter BSc ASET</u>		

**Durham-York Energy Centre
1835 Energy Drive, Courtice, ON
Golder Associates Ltd.**

ESC and SW Monitoring Program



Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report			
Golder Project/Task#: 12-1151-0155_4000			
Project Contacts		Mobile #s	E&SC Monitoring Field Observations/Logistics
Covanta Contact:	Jim Delaney	1-860-422-5350	Date(s): <u>22-Jan-15</u> Time(s) of EMI: _____ Field Staff: <u>Amanda Huxter</u>
Covanta Contact:	Amanda Huxter	289-685-5291	<u>1:30 PM</u> (start-finish) <u>2:55 PM</u>
Golder PM/Water Resources and Waste Contact/Local H&S Coordinator:		Jessica Henschell 613-592-9600	Health & Safety PPE/Orientation (Y/N, details): _____
Golder Enviro Field Services Contact/Local H&S Coordinator:		Devon Witheridge 905-409-3513	Antecedent Weather Conditions: <u>17-Jan - 1 mm rain, 18-Jan - 0.8 mm rain,</u>
Golder PD/Senior Water Resources Engineer:		Terry Winhold 416-473-2800	http://climate.weather.gc.ca/climateData/dailydata_e.html?timeframe=2&Prov=ON&StationID=4996&dlyRange=1969-08-01 2015-01-11&Year=2015&Month=1&Day=01
Golder Alt CEP/Field Specialist		Nick Gorski 416-802-6601	
Golder SW Field Specialists			
Other Notables:			Current conditions: <u>-1°C, scattered cloud cover</u>

Section 1: EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courtice Power Partners				
E&SC Measures	Location	Deficiencies	Photos Taken (Y/N)	Notes/Observations/Recommendations
Perimeter Silt Fencing	Strategic, Down gradient Reaches Around Site Perimeter	None	Y	Silt fencing removed to 3-4 inches above ground.
Preservation of Natural Vegetation	All around site perimeter	None	Y	Permanent vegetation is well established.
Vehicular Entrance to the site		None	Y	Gate 1 driveway clear of debris, Gate 2 has minimal frozen, dried mud and gravel
StockPiles (No.s 1, 2, Working, Construction Fill)		None	N	Top soil storage stockpile is frozen.
Interceptor Swale, including Rock Check Dams	Around Site Perimeter	Yes	Y	All rock check dams in good condition. All swales are frozen Culverts/swales to be monitored for clean out.
Minor pumping/controlled discharge Efforts		N/A	N	Not applicable - No dewatering
Additional E&SC Measures: - Temporary Seeding; - Permanent Seeding; - Sod Stabilization; - Mulching; - Inlet Protection.		None	Y	Permanent vegetation is well established.

**Durham-York Energy Centre
1835 Energy Drive, Courtice, ON
Golder Associates Ltd.**

ESC and SW Monitoring Program



Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report				
Section 1 (continued): EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courtice Power Partners				
E&SC Measure	Time of Observation (If notable/ significant)	Deficiencies	Photos Taken (Y/N)	Notes/Observations (incl. during visit weather conditions)
West SWM Pond		None	Y	No discharge to outlet structure. Discharging into swale <1 foot/sec
East SWM Pond		None	Y	Water is discharging into pond at ~1.5 feet per second. Pond has light skim of ice. Water is discharging into swale at ~1 foot per second.
Downstream Receiving Swale		None	Y	Receiving swales are frozen along the edges and intermittently open through the middle
Section 2: Surface Water and/or Spill Control Response Sampling Summary Rpt by Golder Associates Ltd.				
Surface Water Sampling Performed (Y/N): <u> N </u> Details: <u> — </u>				
SW Feature	Time of Inspection	Photos Taken	Notes/Observations (incl. during visit weather conditions)	
East SWM Pond	—	—	—	
West SWM Pond	—	—	—	
Downstream Receiving Swale			SW1 (US) Station: — SW2 (DS) Station: —	
Tooley Creek			SW3 (US) Station: — SW4 (DS) Station: —	
Sign-off				
	Print Name	Signature		
Courtice Power Partners Representative/EMI				
Golder Field Representative/CEP:	<u>Jessica Henschell</u>	<u>J. Henschell (Golder Representative).</u>		
Covanta Representative:	Amanda Huxter	<u>Amanda Huxter BSc. ASCT</u>		

**Durham-York Energy Centre
1835 Energy Drive, Courtice, ON
Golder Associates Ltd.**

ESC and SW Monitoring Program



Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report			
Golder Project/Task#: 12-1151-0155_4000			
Project Contacts	Mobile #s	E&SC Monitoring Field Observations/Logistics	
Covanta Contact: Jim Delaney	1-860-422-5350	Date(s): 27-Jan-15	Time(s) of EMI: _____ Field Staff: Amanda Huxter
Covanta Contact: Amanda Huxter	289-685-5291	1:30 PM	(start-finish) 2:50 PM
Golder PM/Water Resources and Waste Contact/Local H&S Coordinator: Jessica Hanschell	613-592-9600	Health & Safety PPE/Orientation (Y/N, details): _____	
Golder Enviro Field Services Contact/Local H&S Coordinator: Devon Witheridge	905-409-3513	Antecedent Weather Conditions: Average Temp -6°C, no precipitation since last inspection	
Golder PD/Senior Water Resources Engineer: Terry Winhold	416-473-2800	Other Notables: _____	
Golder Alt CEP/Field Specialist: Nick Gorski	416-802-6601	Current conditions: -7°C, scattered cloud cover	
Golder SW Field Specialists		http://climate.weather.gc.ca/climateData/dailydata_e.html?timeframe=2&Prov=ON&StationID=4996&dlyRange=1969-08-01 2015-01-11&Year=2015&Month=1&Day=01	

Section 1: EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courtice Power Partners

E&SC Measures	Location	Deficiencies	Photos Taken (Y/N)	Notes/Observations/Recommendations
Perimeter Silt Fencing	Strategic, Down gradient Reaches Around Site Perimeter	None	Y	Silt fencing removed to 3-4 inches above ground.
Preservation of Natural Vegetation	All around site perimeter	None	Y	Permanent vegetation is well established.
Vehicular Entrance to the site		None	Y	Gate 1 driveway clear of debris, Gate 2 has minimal frozen, dried mud and gravel
Stock Piles (No.s 1, 2, Working, Construction Fill)		None	Y	Top soil storage stockpile is frozen.
Interceptor Swales, including Rock Check Dams	Around Site Perimeter	Yes	Y	All rock check dams in good condition. Swales are frozen
Minor pumping/controlled discharge Efforts		N/A	N	Not applicable - No dewatering
Additional E&SC Measures: - Temporary Seeding; - Permanent Seeding; - Sod Stabilization; - Mulching; - Inlet Protection.		None	Y	Permanent vegetation is well established.

Durham-York Energy Centre
 1835 Energy Drive, Courtice, ON
 Golder Associates Ltd.



ESC and SW Monitoring Program

Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report				
Section 1 (continued): EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courtice Power Partners				
E&S Measures	Time of Observation (if notable/significant)	Deficiencies	Photos Taken (Y/N)	Notes/Observations (incl. during visit weather conditions)
West SWM Pond		None	Y	No discharge to outlet structure. Outlet structure is empty, with ~2 inches frozen water in the bottom. Discharge point is ~60% full of snow.
East SWM Pond		None	Y	Inlet is not frozen, with flow ~1 feet per second. Pond has light skim of ice. Constant flow into outlet structure. Water is discharging into swale at ~1 foot per second.
Downstream Receiving Swale		None	Y	Receiving swales are frozen along the edges and intermittently open through the middle
Section 2: Surface Water and/or Spill Control Response Sampling Summary Rpt by Golder Associates Ltd.				
Surface Water Sampling Performed (Y/N): <u> N </u> Details: <u> — </u>				
SW Feature	Time of Inspection	Photos Taken	Notes/Observations (incl. during visit weather conditions)	
East SWM Pond	—	—	—	
West SWM Pond	—	—	—	
Downstream Receiving Swale	SW1 (US) Station:			
	SW2 (DS) Station:	—	—	
Tooley Creek	SW3 (US) Station:	—	—	
	SW4 (DS) Station:	—	—	
Sign-off				
	Print Name	Signature		
Courtice Power Partners Representative/EMI				
Golder Field Representative/CEP:	<u>Jessica Hanschell</u>	<u>J. Hanschell (Golder Representative)</u>		
Covanta Representative:	Amanda Huxter	<u>Amanda Huxter BSc. A&E.T</u>		

**Durham-York Energy Centre
1835 Energy Drive, Courtice, ON
Golder Associates Ltd.**



ESC and SW Monitoring Program

Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report			
Golder Project/Task#: 12-1151-0155_4000			
Project Contacts		Mobile #s	E&SC Monitoring Field Observations/Logistics
Covanta Contact:	Jim Delaney	1-860-422-5350	Date(s): 4-Feb-15 Time(s) of EMI: Field Staff: Amanda Huxter
Covanta Contact:	Amanda Huxter	289-685-5291	11:00 AM (start-finish) 12:20 PM
Golder PM/Water Resources and Waste Contact/Local H&S Coordinator:	Jessica Hanschell	613-592-9600	Health & Safety PPE/Orientation (Y/N, details):
Golder Enviro Field Services Contact/Local H&S Coordinator:	Devon Witheridge	905-409-3513	Antecedent Weather Conditions: Feb 1: 12 cm snow, Feb 3: 4 cm snow
Golder PD/Senior Water Resources Engineer:	Terry Winhold	416-473-2800	http://climate.weather.gc.ca/climateData/dailydata_e.html?timeframe=2&Prov=ON&StationID=4996&dlyRange=1969-08-01 2015-01-11&Year=2015&Month=1&Day=01
Golder Alt CEP/Field Specialist	Nick Gorski	416-802-6601	Other Notables: Current conditions: -4°C, scattered cloud cover, intermittent light flurries
Golder SW Field Specialists			

Section 1: EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courtice Power Partners

E&SC Measures	Location	Deficiencies	Photos Taken (Y/N)	Notes/Observations/Recommendations
Perimeter Silt Fencing	Strategic, Down gradient Reaches Around Site Perimeter	None	Y	Has been removed. Snow covered.
Preservation of Natural Vegetation	All around site perimeter	None	Y	Permanent vegetation is well established.
Vehicular Entrance to the site		None	Y	Gate 1 driveway clear of debris, Gate 2 has minimal frozen, dried mud and gravel
Stock Piles (No.s 1, 2, Working, Construction Fill)		None	Y	Top soil storage stockpile is frozen and snow covered.
Interceptor Swale, including Rock Check Dams	Around Site Perimeter	Yes	Y	All rock check dams in good condition. Swales are frozen and snow covered.
Minor pumping/controlled discharge Efforts		N/A	N	Not applicable - No dewatering
Additional E&SC Measures: - Temporary Seeding; - Permanent Seeding; - Sod Stabilization; - Mulching; - Inlet Protection.		None	Y	Permanent vegetation is well established. All snow covered.

Durham-York Energy Centre
 1835 Energy Drive, Courtice, ON
 Golder Associates Ltd.



ESC and SW Monitoring Program

Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report				
Section 1 (continued): EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courtice Power Partners				
E&SC Measures	Time of Observation (if notable/significant)	Deficiencies	Photos Taken (Y/N)	Notes/Observations (incl. during visit weather conditions)
West SWM Pond		None	Y	Inlet, pond and outlet are frozen. Unable to view discharge point into swale due to snow.
East SWM Pond		None	Y	Inlet, pond and outlet are frozen. Discharge point has slow discharge.
Downstream Receiving Swale		None	Y	Receiving swale west of East SWP discharge point is frozen along the edges and intermittently open through the middle. Receiving swale west of West SWP is snow covered. No picture taken due to safety considerations
Section 2: Surface Water and/or Spill Control Response Sampling Summary Rpt by Golder Associates Ltd.				
Surface Water Sampling Performed (Y/N):		<u>N</u>	Details: <u>—</u>	
SW Feature	Time of Inspection	Photos Taken	Notes/Observations (incl. during visit weather conditions)	
East SWM Pond	<u>—</u>	<u>—</u>		
West SWM Pond	<u>—</u>	<u>—</u>		
Downstream Receiving Swale	SW1 (US) Station: SW2 (DS) Station:	<u>—</u>	<u>—</u>	
Tooley Creek	SW3 (US) Station: SW4 (DS) Station:	<u>—</u>	<u>—</u>	
Sign-off				
	Print Name	Signature		
Courtice Power Partners Representative/EMI				
Golder Field Representative/CEP:	<u>Jessica Hanschell</u>	<u>Jessica Hanschell (Golder Representative)</u>		
Covanta Representative:	Amanda Huxter	<u>Amanda Huxter BSc A&ET</u>		



**Durham-York Energy Centre
1835 Energy Drive, Courtice, ON
Golder Associates Ltd.**

ESC and SW Monitoring Program

Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report			
Golder Project/Task#: 12-1151-0155_4000			
Project Contacts		Mobile #s	E&SC Monitoring Field Observations/Logistics
Covanta Contact:	Jim Delaney	1-860-422-5350	Date(s): 13-Feb-15 Time(s) of EMI: Field Staff: Amanda Huxter
Covanta Contact:	Amanda Huxter	289-685-5291	3:15 PM (start-finish) 5:35 PM
Golder PM/Water Resources and Waste Contact/Local H&S Coordinator:		Jessica Hanschell 613-592-9600	Health & Safety PPE/Orientation (Y/N, details): Antecedent Weather Conditions: Feb 8: 2 cm snow, Feb 11: 1.5 cm snow, Feb 12: 2.5 cm snow, http://climate.weather.gc.ca/climateData/dailydata_e.html?timeframe=2&Prov=ON&StationID=4996&dlyRange=1969-08-01%7C2015-01-11&Year=2015&Month=2&cmdB1=Go Current conditions: -14°C, partly cloudy, intermittent light flurries Wind direction: NNE
Golder Enviro Field Services Contact/Local H&S Coordinator:		Devon Witheridge 905-409-3513	
Golder PD/Senior Water Resources Engineer:		Terry Winhold 416-473-2800	
Golder Alt CEP/Field Specialist		Nick Gorski 416-802-6601	
Golder SW Field Specialists			
Other Notables:			

Section 1: EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courtice Power Partners				
E&SC Measures	Location	Deficiencies	Photos Taken (Y/N)	Notes/Observations/Recommendations
Perimeter Silt Fencing	Strategic, Down gradient Reaches Around Site Perimeter	None	Y	Has been removed. Snow covered.
Preservation of Natural Vegetation	All around site perimeter	None	Y	Permanent vegetation is well established.
Vehicular Entrance to the site		None	Y	Gate 1 driveway <10% covered with snow & melting snow, Gate 2 driveway is snow covered
Stock Piles (No.s 1, 2, Working, Construction Fill)		None	N	Top soil storage stockpile is frozen and snow covered.
Interceptor Swale, including Rock Check Dams	Around Site Perimeter	Yes	Y	Swales are snow covered.
Minor pumping/controlled discharge Efforts		N/A	N	Not applicable - No dewatering
Additional E&SC Measures: - Temporary Seeding; - Permanent Seeding; - Sod Stabilization; - Mulching; - Inlet Protection.		None	Y	Permanent vegetation is well established. All snow covered.

Durham-York Energy Centre
 1835 Energy Drive, Courtice, ON
 Golder Associates Ltd.



ESC and SW Monitoring Program

Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report				
Section 1 (continued): EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courtice Power Partners				
E&SC Measures	Time of Observation (if notable/ significant)	Deficiencies	Photos Taken (Y/N)	Notes/Observations (incl. during visit weather conditions)
West SWM Pond		None	Y	
East SWM Pond		None	Y	East SWM Pond inlet is frozen, pond is frozen and <50% snow covered, outlet shows ice in the bottom
Downstream Receiving Swale		None	N	
Section 2: Surface Water and/or Spill Control Response Sampling Summary Rpt by Golder Associates Ltd.				
Surface Water Sampling Performed (Y/N): <u>N</u> Details: <u>—</u>				
SW Feature	Time of Inspection	Photos Taken	Notes/Observations (incl. during visit weather conditions)	
East SWM Pond	—	—	—	
West SWM Pond	—	—	—	
Downstream Receiving Swale			SW1 (US) Station: —	
			SW2 (DS) Station: —	
Tooley Creek			SW3 (US) Station: —	
			SW4 (DS) Station: —	
Sign-off				
	Print Name		Signature	
Courtice Power Partners Representative/EMI				
Golder Field Representative/CEP:	<u>Jessica Hanschell</u>		<u>[Signature]</u>	
Covanta Representative:	Amanda Huxter		<u>Amanda Huxter BSc. ASET</u>	



**Durham-York Energy Centre
1835 Energy Drive, Courtice, ON
Golder Associates Ltd.**

ESC and SW Monitoring Program

Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report			
Golder Project/Task#: 12-1151-0155_4000			
Project Contacts		Mobile #s	E&SC Monitoring Field Observations/Logistics
Covanta Contact:	Jim Delaney	1-860-422-5350	Date(s): 23-Feb-15 Time(s) of EMI: _____ Field Staff: Amanda Huxter
Covanta Contact:	Amanda Huxter	289-685-5291	1:10PM (start-finish) 2:00PM
Golder PM/Water Resources and Waste Contact/Local H&S Coordinator:	Jessica Hanschell	613-592-9600	Health & Safety PPE/Orientation (Y/N, details): Antecedent Weather Conditions: Feb 13: 2 cm snow, Feb 14: 2 cm snow, Feb 17: 12 cm snow, Feb 22: 1 cm snow http://climate.weather.gc.ca/climateData/dailydata_e.html?timeframe=2&Prov=ON&StationID=4996&dlyRange=1969-08-01%7C2015-01-11&Year=2015&Month=2&cmdB1=Go Other Notables: Current conditions: -17°C, sunny, partly cloudy, Wind direction: NNE
Golder Enviro Field Services Contact/Local H&S Coordinator:	Devon Witheridge	905-409-3513	
Golder PD/Senior Water Resources Engineer:	Terry Winhold	416-473-2800	
Golder Alt CEP/Field Specialist	Nick Gorski	416-802-6601	
Golder SW Field Specialists			

Section 1: EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courtice Power Partners

E&SC Measures	Location	Deficiencies	Photos Taken (Y/N)	Notes/Observations/Recommendations
Perimeter Silt Fencing	Strategic, Down gradient Reaches Around Site Perimeter	None	Y	Has been removed. Snow covered. Unable to get photos 8 and 9 (NW corner) due to snow depth
Preservation of Natural Vegetation	All around site perimeter	None	Y	Permanent vegetation is well established.
Vehicular Entrance to the site		None	Y	Gate 1 driveway covered with dirty snow, Gate 2 driveway is snow covered
StockPiles (No.s 1, 2, Working, Construction Fill)		None	N	Top soil storage stockpile is frozen and snow covered.
Interceptor Swale, including Rock Check Dams	Around Site Perimeter	Yes	Y	Swales are snow covered.
Minor pumping/controlled discharge Efforts		N/A	N	Not applicable - No dewatering
Additional E&SC Measures: - Temporary Seeding; - Permanent Seeding; - Sod Stabilization; - Mulching; - Inlet Protection.		None	Y	Permanent vegetation is well established. All snow covered.

Durham-York Energy Centre
 1835 Energy Drive, Courtice, ON
 Golder Associates Ltd.



ESC and SW Monitoring Program

Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report				
Section 1 (continued): EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courtice Power Partners				
E&SC Measures	Time of Observation (if notable/significant)	Deficiencies	Photos Taken (Y/N)	Notes/Observations (incl. during visit weather conditions)
West SWM Pond		None	Y	Frozen and snow covered. Inlet to pond is snow covered as well.
East SWM Pond		None	Y	Frozen and snow covered. Inlet to pond is frozen
Downstream Receiving Swale		None	Y	Unable to photograph E SWP discharge point, W discharge point is snow covered
Section 2: Surface Water and/or Spill Control Response Sampling Summary Rpt by Golder Associates Ltd.				
Surface Water Sampling Performed (Y/N): <u>N</u> Details: <u>-</u>				
SW Feature	Time of Inspection	Photos Taken	Notes/Observations (incl. during visit weather conditions)	
East SWM Pond	-	-	-	
West SWM Pond	-	-	-	
Downstream Receiving Swale	SW1 (US) Station: SW2 (DS) Station:	- -	-	
Tooley Creek	SW3 (US) Station: SW4 (DS) Station:	- -	-	
Sign-off				
	Print Name	Signature		
Courtice Power Partners Representative/EMI				
Golder Field Representative/CEP:	<u>Jessica Hanschell</u>	<u>[Signature]</u>		
Covanta Representative:	Amanda Huxter	<u>[Signature]</u> Amanda Huxter BSc ASCT		

**Durham-York Energy Centre
1835 Energy Drive, Courtice, ON
Golder Associates Ltd.**



ESC and SW Monitoring Program

Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report				
Golder Project/Task#: 12-1151-0155_4000				
Project Contacts		Mobile #s	E&SC Monitoring Field Observations/Logistics	
Covanta Contact:	Jim Delaney	1-860-422-5350	Date(s): 2-Mar-15	Time(s) of EMI: _____
Covanta Contact:	Amanda Huxter	289-685-5291	8:30AM	(start-finish) 9:30AM
Golder PM/Water Resources and Waste Contact/Local H&S Coordinator:		Jessica Hanschell	613-592-9600	
Golder Enviro Field Services Contact/Local H&S Coordinator:		Devon Witheridge	905-409-3513	
Golder PD/Senior Water Resources Engineer:		Terry Winhold	416-473-2800	
Golder Alt CEP/Field Specialist		Nick Gorski	416-802-6601	
Golder SW Field Specialists				
Health & Safety PPE/Orientation (Y/N, details):			Antecedent Weather Conditions:	
			No precipitation since last inspection of 23-Feb-15	
Other Notables:			http://climate.weather.gc.ca/climateData/dailydata_e.html?timeframe=2&Prov=ON&StationID=4996&dlyRange=1969-08-01%7C2015-03-03&Year=2015&Month=2&cmdB1=Go Current conditions: -7°C, partly cloudy, Wind direction: WSW	
Section 1: EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courtice Power Partners				
E&SC Measures	Location	Deficiencies	Photos Taken (Y/N)	Notes/Observations/Recommendations
Perimeter Silt Fencing	Strategic, Down gradient Reaches Around Site Perimeter	None	Y	Has been removed. Snow covered. Unable to get photos 8 and 9 (NW corner) due to snow depth
Preservation of Natural Vegetation	All around site perimeter	None	Y	Permanent vegetation is well established.
Vehicular Entrance to the site		None	Y	Gate 1 driveway covered with dirty snow, Gate 2 driveway is snow covered
Stock Piles (No.s 1, 2, Working, Construction Fill)		None	Y	Top soil storage stockpile is frozen and snow covered.
Interceptor Swale, including Rock Check Dams	Around Site Perimeter	None	Y	Swales are snow covered.
Minor pumping/controlled discharge Efforts		N/A	N	Not applicable - No dewatering
Additional E&SC Measures: - Temporary Seeding; - Permanent Seeding; - Sod Stabilization; - Mulching; - Inlet Protection.		None	Y	Permanent vegetation is well established. All snow covered.

Durham-York Energy Centre
 1835 Energy Drive, Courtice, ON
 Golder Associates Ltd.



ESC and SW Monitoring Program

Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report				
Section 1 (continued): EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courtice Power Partners				
E&SC Measures	Time of Observation (if notable/significant)	Deficiencies	Photos Taken (Y/N)	Notes/Observations (incl. during visit weather conditions)
West SWM Pond		None	Y	Frozen and snow covered. Inlet to pond is snow covered as well.
East SWM Pond		None	Y	Frozen and snow covered. Inlet to pond is frozen
Downstream Receiving Swale		None	Y	Unable to photograph E SWP discharge point, W discharge point is snow covered
Section 2: Surface Water and/or Spill Control Response Sampling Summary Rpt by Golder Associates Ltd.				
Surface Water Sampling Performed (Y/N):		Details:		
		N		
SW Feature	Time of Inspection	Photos Taken	Notes/Observations (incl. during visit weather conditions)	
East SWM Pond				
West SWM Pond				
Downstream Receiving Swale	SW1 (US) Station:			
	SW2 (DS) Station:			
Tooley Creek	SW3 (US) Station:			
	SW4 (DS) Station:			
Sign-off				
	Print Name	Signature		
Courtice Power Partners Representative/EMI				
Golder Field Representative/CEP:	Jessica Hanschell	[Signature]		
Covanta Representative:	Amanda Huxter	Amanda Huxter BSc. ASCT		



**Durham-York Energy Centre
1835 Energy Drive, Courtice, ON
Golder Associates Ltd.**

ESC and SW Monitoring Program

Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report			
Golder Project/Task#: 12-1151-0155_4000			
Project Contacts		Mobile #s	E&SC Monitoring Field Observations/Logistics
Covanta Contact:	Jim Delaney	1-860-422-5350	Date(s): 9-Mar-15 Time(s) of EMI: Field Staff: Amanda Huxter
Covanta Contact:	Amanda Huxter	289-685-5291	2:15PM (start-finish) 3:10PM
Golder PM/Water Resources and Waste Contact/Local H&S Coordinator:	Jessica Hanschell	613-592-9600	Health & Safety PPE/Orientation (Y/N, details): Antecedent Weather Conditions: Mar 3: 4 cm snow Mar 4:3 cm snow Mar 5:5 cm snow Mar 6:3 cm snow Mar 7:5 cm snow Mar 8: 1.5cm snow http://climate.weather.gc.ca/climateData/dailydata_e.html?timeframe=2&Prov=ON&StationID=4996&dlyRange=1969-08-01 2015-03-03&Year=2015&Month=2&cmdB1=Go&Day=10 Other Notables: Current conditions: 3°C, mostly sunny Wind direction: 250°, 10 km/h
Golder Enviro Field Services Contact/Local H&S Coordinator:	Devon Witheridge	905-409-3513	
Golder PD/Senior Water Resources Engineer:	Terry Winhold	416-473-2800	
Golder Alt CEP/Field Specialist	Nick Gorski	416-802-6601	
Golder SW Field Specialists			

Section 1: EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courtice Power Partners

E&SC Measures	Location	Deficiencies	Photos Taken (Y/N)	Notes/Observations/Recommendations
Perimeter Silt Fencing	Strategic, Down gradient Reaches Around Site Perimeter	None	Y	Has been removed. Snow covered. Unable to get photos 8 and 9 (NW corner) due to snow depth
Preservation of Natural Vegetation	All around site perimeter	None	Y	Permanent vegetation is well established.
Vehicular Entrance to the site		None	Y	Gate 1 and 2 driveway clear of snow with minimal soil/mud visible
Stock Piles (No.s 1, 2, Working, Construction Fill)		None	Y	Top soil storage stockpile is 90% clear of snow and thawing
Interceptor Swale, including Rock Check Dams	Around Site Perimeter	None	Y	E swale north of Gate 2 is thawing, W swale south of Gate 2 is snow covered, W swale is snow covered
Minor pumping/controlled discharge Efforts		N/A	N	Not applicable - No dewatering
Additional E&SC Measures: - Temporary Seeding; - Permanent Seeding; - Sod Stabilization; - Mulching; - Inlet Protection.		None	Y	Permanent vegetation is well established. All snow covered.

Durham-York Energy Centre
 1835 Energy Drive, Courtice, ON
 Golder Associates Ltd.



ESC and SW Monitoring Program

Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report				
Section 1 (continued): EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courtice Power Partners				
E&SC Measures	Time of Observation (if notable/ significant)	Deficiencies	Photos Taken (Y/N)	Notes/Observations (Incl. during visit weather conditions)
West SWM Pond		None	Y	Inlet is snow covered, pond is frozen and snow covered, discharge point is snow covered
East SWM Pond		None	Y	Inlet to pond has partial flow, pond is thawing but still frozen with 50% snow covered
Downstream Receiving Swale		None	Y	E SWP is discharging to Receiving swale; swale is open for approximately 30 m then snow covered past W SWP discharge point
Section 2: Surface Water and/or Spill Control Response Sampling Summary Rpt by Golder Associates Ltd.				
Surface Water Sampling Performed (Y/N): _____		Details: _____		
SW Feature	Time of Inspection	Photos Taken	Notes/Observations (Incl. during visit weather conditions)	
East SWM Pond				
West SWM Pond				
Downstream Receiving Swale	SW1 (US) Station: SW2 (DS) Station:			
Tooley Creek	SW3 (US) Station: SW4 (DS) Station:			
Sign-off				
	Print Name	Signature		
Courtice Power Partners Representative/EMI	_____	_____		
Golder Field Representative/CEP:	Jessica Henschell	JHenschell		
Covanta Representative:	Amanda Huxter	Amanda Huxter BSc. ASET		

**Durham-York Energy Centre
1835 Energy Drive, Courtice, ON
Golder Associates Ltd.**



ESC and SW Monitoring Program

Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report			
Golder Project/Task#: 12-1151-0155_4000			
Project Contacts		Mobile #s	E&SC Monitoring Field Observations/Logistics
Covanta Contact:	Jim Delaney	1-860-422-5350	Date(s): 16-Mar-15 Time(s) of EMI: Field Staff: Amanda Huxter
Covanta Contact:	Amanda Huxter	289-685-5291	8:30 AM (start-finish) 9:30 AM
Golder PM/Water Resources and Waste Contact/Local H&S Coordinator:	Jessica Hanschell	613-592-9600	Health & Safety PPE/Orientation (Y/N, details):
Golder Enviro Field Services Contact/Local H&S Coordinator:	Devon Witheridge	905-409-3513	Antecedent Weather Conditions: Mar 13: 0.4 mm rain Mar 14: 2.6 mm rain Mar 16: 3.4 mm rain
Golder PD/Senior Water Resources Engineer:	Terry Winhold	416-473-2800	http://climate.weather.gc.ca/climateData/dailydata_e.html?timeframe=2&Prov=ON&StationID=4996&dlyRange=1969-08-01 2015-01-11&Year=2015&Month=3&cmdB1=Go&Day=21
Golder Alt CEP/Field Specialist:	Nick Gorski	416-802-6601	Other Notables: Current conditions: 1°C, partly cloudy, Wind Direction: 160°, Wind Speed 3 km/h
Golder SW Field Specialists:			

Section 1: EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courtice Power Partners

E&SC Measures	Location	Deficiencies	Photos Taken (Y/N)	Notes/Observations/Recommendations
Perimeter Silt Fencing	Strategic, Down gradient Reaches Around Site Perimeter	None	Y	Silt fencing removed to 3-4 inches above ground.
Preservation of Natural Vegetation	All around site perimeter	None	Y	Permanent vegetation is well established.
Vehicular Entrance to the site		None	Y	Gate 1 driveway clear of debris, small amount of water pooling, Gate 2 has minimal frozen, dried mud and gravel.
Stock Piles (No.s 1, 2, Working, Construction Fill)		None	Y	Top soil storage stockpile is thawing
Interceptor Swales, including Rock Check Dams	Around Site Perimeter	None	Y	All rock check dams in good condition. Swales are thawing or snow covered
Minor pumping/controlled discharge Efforts		N/A	N	Not applicable - No dewatering
Additional E&SC Measures: - Temporary Seeding; - Permanent Seeding; - Sod Stabilization; - Mulching; - Inlet Protection.		None	Y	Permanent vegetation is well established.

**Durham-York Energy Centre
1835 Energy Drive, Courtice, ON
Golder Associates Ltd.**



ESC and SW Monitoring Program

Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report				
Section 1 (continued): EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courtice Power Partners				
E&SC Measures	Time of Observation (if notable/ significant)	Deficiencies	Photos Taken (Y/N)	Notes/Observations (incl. during visit weather conditions)
West SWM Pond		None	Y	Inlet is snow covered. No discharge to outlet structure. Outlet structure is empty, with ~1 inches frozen water in the bottom. Discharge point is ~60% full of snow. Pond is thawing, with only a very thin layer of ice remaining.
East SWM Pond		None	Y	Inlet is not frozen, with flow ~2 inches per second. Pond has light skim of ice. Constant flow into outlet structure. Water is discharging into swale at ~4 inches per second.
Downstream Receiving Swale		None	Y	Receiving swales are frozen along the edges and intermittently open through the middle.
Section 2: Surface Water and/or Spill Control Response Sampling Summary Rpt by Golder Associates Ltd.				
Surface Water Sampling Performed (Y/N):		Details:		
SW Feature	Time of Inspection	Photos Taken	Notes/Observations (incl. during visit weather conditions)	
East SWM Pond				
West SWM Pond				
Downstream Receiving Swale	SW1 (US) Station:			
	SW2 (DS) Station:			
Tooley Creek	SW3 (US) Station:			
	SW4 (DS) Station:			
Sign-off				
	Print Name	Signature		
Courtice Power Partners Representative/EMI				
Golder Field Representative/CEP:	<u>Jessica Henschell</u>	<u>[Signature]</u>		
Covanta Representative:	Amanda Huxter	<u>[Signature]</u> Amanda Huxter BSc. A&ET		



**Durham-York Energy Centre
1835 Energy Drive, Courtice, ON
Golder Associates Ltd.**

ESC and SW Monitoring Program

Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report			
Golder Project/Task#: 12-1151-0155_4000			
Project Contacts	Mobile #s	E&SC Monitoring Field Observations/Logistics	
Covanta Contact: Jim Delaney	1-860-422-5350	Date(s): 23-Mar-15	Time(s) of EMI: _____ Field Staff: Amanda Huxter
Covanta Contact: Amanda Huxter	289-685-5291	10:00 AM	(start-finish) 11:00 AM
Golder PM/Water Resources and Waste Contact/Local H&S Coordinator: Jessica Hanschell	613-592-9600	Health & Safety PPE/Orientation (Y/N, details):	
Golder Enviro Field Services Contact/Local H&S Coordinator: Devon Witheridge	905-409-3513	Antecedent Weather Conditions: Mar 16: 3.4 mm rain Mar 20: 7.2 mm rain	
Golder PD/Senior Water Resources Engineer: Terry Winhold	416-473-2800	http://climate.weather.gc.ca/climateData/hourlydata_e.html?timeframe=1&Prov=ON&StationID=52727&hlyRange=2014-09-19 2015-03-29&Year=2015&Month=3&Day=23	
Golder Alt CEP/Field Specialist: Nick Gorski	416-802-6601	Other Notables: Current conditions: -9°C, mostly sunny, Wind Direction: 310°, Wind Speed 7 km/h	
Golder SW Field Specialists: _____	_____	_____	

Section 1: EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courtice Power Partners				
E&SC Measures	Location	Deficiencies	Photos Taken (Y/N)	Notes/Observations/Recommendations
Perimeter Silt Fencing	Strategic, Down gradient Reaches Around Site Perimeter	None	Y	Silt fencing removed to 3-4 inches above ground.
Preservation of Natural Vegetation	All around site perimeter	None	Y	Permanent vegetation is well established.
Vehicular Entrance to the site		None	Y	Gate 1 driveway clear of debris, small amount of frozen water, Gate 2 has minimal frozen, dried mud and gravel.
Stock Piles (No.s 1, 2, Working, Construction Fill)		None	Y	Top soil storage stockpile is thawing
Interceptor Swale, including Rock Check Dams	Around Site Perimeter	Yes	Y	East swale south of Gate 2 has some debris, east swale north of Gate 2 snow-free but frozen, west swale frozen
Minor pumping/controlled discharge Efforts		N/A	N	Not applicable - No dewatering
Additional E&SC Measures: - Temporary Seeding; - Permanent Seeding; - Sod Stabilization; - Mulching; - Inlet Protection.		None	Y	Permanent vegetation is well established.

**Durham-York Energy Centre
1835 Energy Drive, Courtice, ON
Golder Associates Ltd.**



ESC and SW Monitoring Program

Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report				
Section 1 (continued): EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courtice Power Partners				
E&SC Measures	Time of Observation (if notable/ significant)	Deficiencies	Photos Taken (Y/N)	Notes/Observations (incl. during visit weather conditions)
West SWM Pond		Yes - pond is surcharged by ~1.5m Jessica Hanschell contacted on 24-Mar-15 and 26-Mar-15	Y	Inlet is covered by water and beneath a layer of ~3 inch ice which covers the pond. Pond Elev = 96.52 (Perm. Pond Elev = 95.00) No discharge to outlet. No discharge to swale
East SWM Pond		None	Y	Inlet is thawing, with flow ~6 inches per second. Pond is frozen with ~2 inch layer of ice. Absence of flow into outlet structure. Water is discharging into swale at ~6 inches per second.
Downstream Receiving Swale		None	Y	Receiving swales are frozen with some snow remaining around edges. Ice is ~1 inch thick.
Section 2: Surface Water and/or Spill Control Response Sampling Summary Rpt by Golder Associates Ltd.				
Surface Water Sampling Performed (Y/N):		Details:		
SW Feature	Time of Inspection	Photos Taken	Notes/Observations (incl. during visit weather conditions)	
East SWM Pond				
West SWM Pond				
Downstream Receiving Swale	SW1 (US) Station:			
	SW2 (DS) Station:			
Tooley Creek	SW3 (US) Station:			
	SW4 (DS) Station:			
Sign-off				
	Print Name	Signature		
Courtice Power Partners Representative/EMI				
Golder Field Representative/CEP:	Jessica Hanschell	JHanschell		
Covanta Representative:	Amanda Huxter	Amanda Huxter BSc. ASET		



**Durham-York Energy Centre
1835 Energy Drive, Courtice, ON
Golder Associates Ltd.**

ESC and SW Monitoring Program

Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report			
Golder Project/Task#: 12-1151-0155_4000			
Project Contacts		Mobile #s	E&SC Monitoring Field Observations/Logistics
Covanta Contact:	Don Neve	905-213-9688	Date(s): 30-Mar-15 Time(s) of EMI: Field Staff: Amanda Huxter
Covanta Contact:	Amanda Huxter	289-685-5291	8:30 AM (start-finish) 9:30 AM
			31-Mar-15 7:30am
Golder PM/Water Resources and Waste Contact/Local H&S Coordinator:	Jessica Hanschell	613-592-9600	Health & Safety PPE/Orientation (Y/N, details):
Golder Enviro Field Services Contact/Local H&S Coordinator:	Devon Witheridge	905-409-3513	Antecedent Weather Conditions: Mar 25: 5.3 mm rain Mar26: 2.2 mm rain Mar 29: 0.4 mm rain
Golder PD/Senior Water Resources Engineer:	Terry Winhold	416-473-2800	http://climate.weather.gc.ca/climateData/dailydata_e.html?timeframe=2&Prov=ON&StationID=4996&dlyRange=1969-08-01 2015-01-11&Year=2015&Month=3&cmdB1=Go&Day=21
Golder Alt CEP/Field Specialist	Nick Gorski	416-802-6601	Other Notables: Current conditions: 4°C, cloudy, Wind Direction: 270°, Wind Speed 14 km/h
Golder SW Field Specialists			

Section 1: EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courtice Power Partners

E&SC Measures	Location	Deficiencies	Photos Taken (Y/N)	Notes/Observations/Recommendations
Perimeter Silt Fencing	Strategic, Down gradient Reaches Around Site Perimeter	None	Y	Silt fencing removed to 3-4 inches above ground.
Preservation of Natural Vegetation	All around site perimeter	None	Y	Permanent vegetation is well established.
Vehicular Entrance to the site		None	Y	Gate 1 driveway clear of debris, small amount of pooling water, Gate 2 has minimal amounts of mud and gravel.
StockPiles (No.s 1, 2, Working, Construction Fill)		None	Y	Top soil storage stockpile is thawing.
Interceptor Swale, including Rock Check Dams	Around Site Perimeter	Yes	Y	Swales are thawing, minimal amounts of snow remaining. East swale south of Gate 2 has water pooling at rock check dams. Water has diverted around the southern most rock check dam of the west swale. East swale has build of sediment.
Minor pumping/controlled discharge Efforts	West SWP	Yes	Y	Minor pumping was performed at the West SWP in order to lower the elevated water level of the pond. The water was pumped directly from the pond into the outlet structure. The resulting flow at the discharge point was ~18 inches per second. The water was pumped down 8 inches as measured on the side of the outlet structure. On March 31 at 07:00am, it was noted that the pond was discharging on its own and the level was back to normal.
Additional E&SC Measures: - Temporary Seeding; - Permanent Seeding; - Sod Stabilization; - Mulching; - Inlet Protection.		None	Y	Permanent vegetation is well established.



**Durham-York Energy Centre
1835 Energy Drive, Courtice, ON
Golder Associates Ltd.**

ESC and SW Monitoring Program

Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report				
Section 1 (continued): EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courtice Power Partners				
E&SC Measures	Location	Deficiencies	Photos Taken (Y/N)	Notes/Observations (incl. during visit weather conditions)
West SWM Pond		Yes	Y	Pond is thawed. Inlet is submerged by water due to an elevated water level in the pond. No discharge to outlet. Began pumping from pond into outlet structure at 8:30am. While pumping, flow out of the discharge pipe was ~18 inches per second. Discharge point is thawed.
East SWM Pond		Yes	Y	Inlet has thawed, with flow slower than ~6 inches per second. Pond is thawed. Absence of flow into outlet structure. No flow into receiving swale. Discharge pipe is 50% silted.
Downstream Receiving Swale		None	Y	Receiving swales are thawing with minimal snow/ice remaining around edges.
Section 2: Surface Water and/or Spill Control Response Sampling Summary Rpt by Golder Associates Ltd.				
Surface Water Sampling Performed (Y/N): _____ Details: _____				
SW Feature	Time of Inspection	Photos Taken	Notes/Observations (incl. during visit weather conditions)	
East SWM Pond	—	—		
West SWM Pond	—	—		
Downstream Receiving Swale	SW1 (US) Station: SW2 (DS) Station:	— —	— —	
Tooley Creek	SW3 (US) Station: SW4 (DS) Station:	— —	— —	
Sign-off				
	Print Name	Signature		
Courtice Power Partners Representative/EMI	_____	_____		
Golder Field Representative/CEP:	<u>Jessica Hanschell</u>			
Covanta Representative:	Amanda Huxter	 Amanda Huxter BSc. ASCT		



**Durham-York Energy Centre
1835 Energy Drive, Courtice, ON
Golder Associates Ltd.**

ESC and SW Monitoring Program

Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report				
Golder Project/Task#: 12-1151-0155_4000				
Project Contacts		Mobile #s	E&SC Monitoring Field Observations/Logistics	
Covanta Contact.	Don Neve	905-213-9688	Date(s):	6-Apr-15
Covanta Contact.	Amanda Huxter	289-685-5291		11:00 AM
				Time(s) of EMI: (start-finish) 12:30 PM
				Field Staff: Amanda Huxter
Golder PM/Water Resources and Waste Contact/Local H&S Coordinator:	Jessica Hanschell	613-592-9600	Health & Safety PPE/Orientation (Y/N, details):	
Golder Enviro Field Services Contact/Local H&S Coordinator:	Devon Witheridge	905-409-3513	Antecedent Weather Conditions: Apr 2: 5.6 mm rain Apr 3: 4.4 mm rain Mar 29: 0.4 mm rain	
Golder PD/Senior Water Resources Engineer:	Terry Winhold	416-473-2800	http://climate.weather.gc.ca/climateData/dailydata_e.html?timeframe=2&Prov=ON&StationID=4996&dlyRange=1969-08-01%7C2015-01-11&cmdB1=Go&Year=2015&Month=4&cmdB1=Go	
Golder Alt CEP/Field Specialist	Nick Gorski	416-802-6601	Other Notables: Current conditions: 3°C,	
Golder SW Field Specialists				
Section 1: EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courtice Power Partners				
E&SC Measures	Location	Deficiencies	Photos Taken (Y/N)	Notes/Observations/Recommendations
Perimeter Silt Fencing	Strategic, Down gradient Reaches Around Site Perimeter	None	Y	Silt fencing removed to 3-4 inches above ground.
Preservation of Natural Vegetation	All around site perimeter	None	Y	Permanent vegetation is well established.
Vehicular Entrance to the site		None	Y	Gate 1 driveway clear of debris, small amount of pooling water, Gate 2 has minimal amounts of mud and gravel.
StockPiles (No.s 1, 2, Working, Construction Fill)		None	Y	Top soil storage stockpile is thawing.
Interceptor Swale, including Rock Check Dams	Around Site Perimeter	Yes	Y	Swales are thawing, all snow is gone. East swale south of Gate 2 has water pooling at rock check dams. Water has diverted around the southern most rock check dam of the west swale. All swales have build up of sediment and litter/debris.
Minor pumping/controlled discharge Efforts	West SWP	None	N	Not applicable
Additional E&SC Measures: - Temporary Seeding; - Permanent Seeding; - Sod Stabilization; - Mulching; - Inlet Protection.		Yes	Y	Missing sections of sod noted.



**Durham-York Energy Centre
1835 Energy Drive, Courtice, ON
Golder Associates Ltd.**

ESC and SW Monitoring Program

Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report				
Section 1 (continued): EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courtice Power Partners				
E&SC Measures	Location	Deficiencies	Photos Taken (Y/N)	Notes/Observations (incl. during visit weather conditions)
West SWM Pond		Yes	Y	Flow noted from inlet. Inlet has silt buildup. Flow noted into outlet structure and at discharge point. Division at forebay of pond is partially submerged.
East SWM Pond		Yes	Y	Flow noted from inlet. Inlet has construction debris. No flow into outlet structure or at discharge point. Discharge point is >50% silted.
Downstream Receiving Swale		None	Y	Receiving swales are snow-free and flowing.
Section 2: Surface Water and/or Spill Control Response Sampling Summary Rpt by Golder Associates Ltd.				
Surface Water Sampling Performed (Y/N):		✓	Details: _____	
SW Feature	Time of Inspection	Photos Taken	Notes/Observations (incl. during visit weather conditions)	
East SWM Pond	✓	✓	✓	
West SWM Pond	✓	✓	✓	
Downstream Receiving Swale	SW1 (US) Station:			
	SW2 (DS) Station:	✓	✓	✓
Tooley Creek	SW3 (US) Station:			
	SW4 (DS) Station:	✓	✓	✓
Sign-off				
	Print Name	Signature		
Courtice Power Partners Representative/EMI	_____	_____		
Golder Field Representative/CEP:	<u>Jessica Handbell</u>	<u>J Handbell</u>		
Covanta Representative:	Amanda Huxter	<u>Amanda Huxter BSc. ASCT</u>		



**Durham-York Energy Centre
1835 Energy Drive, Courtice, ON
Golder Associates Ltd.**

ESC and SW Monitoring Program

Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report				
Golder Project/Task#: 12-1151-0155_4000				
Project Contacts		Mobile #s	E&SC Monitoring Field Observations/Logistics	
Covanta Contact:	Don Neve	905-213-9688	Date(s): 14-Apr-15	Time(s) of EMI: 4:00 PM (start-finish) 5:00 PM
Covanta Contact:	Amanda Huxter	289-685-5291	Field Staff: Amanda Huxter	
Golder PM/Water Resources and Waste Contact/Local H&S Coordinator:	Jessica Hanschell	613-592-9600	Health & Safety PPE/Orientation (Y/N, details):	
Golder Enviro Field Services Contact/Local H&S Coordinator:	Devon Witheridge	905-409-3513	Antecedent Weather Conditions: Apr 3: 4.4 mm rain Apr 3: 14.4 mm rain Apr 9: 17.0 mm rain	
Golder PD/Senior Water Resources Engineer:	Terry Winhold	416-473-2800	http://climate.weather.gc.ca/climateData/dailydata_e.html?timeframe=2&Prov=ON&StationID=4996&dlyRange=1969-08-01%7C2015-01-11&cmdB1=Go&Year=2015&Month=4&cmdB1=Go	
Golder Alt CEP/Field Specialist	Nick Gorski	416-802-6601	Other Notables: Current conditions: 17°C, Mostly sunny	
Golder SW Field Specialists				

Section 1: EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courtice Power Partners

E&SC Measures	Location	Deficiencies	Photos Taken (Y/N)	Notes/Observations/Recommendations
Perimeter Silt Fencing	Strategic, Down gradient Reaches Around Site Perimeter	None	Y	Silt fencing removed to 3-4 inches above ground.
Preservation of Natural Vegetation	All around site perimeter	None	Y	Permanent vegetation is well established.
Vehicular Entrance to the site		None	Y	Gate 1 small amount of pooling water and debris, Gate 2 has minimal amounts of mud and gravel.
Stock Piles (No.s 1, 2, Working, Construction Fill)		None	Y	No comment
Interceptor Swales, including Rock Check Dams	Around Site Perimeter	Yes	Y	East swale south of Gate 2 has water pooling at rock check dams. Water has diverted around the southern most rock check dam of the west swale. All swales have build up of sediment and litter/debris.
Minor pumping/controlled discharge Efforts	West SWP	None	N	Not applicable
Additional E&SC Measures: - Temporary Seeding; - Permanent Seeding; - Sod Stabilization; - Mulching; - Inlet Protection.		Yes	Y	Missing sections of sod noted.



**Durham-York Energy Centre
1835 Energy Drive, Courtice, ON
Golder Associates Ltd.**

ESC and SW Monitoring Program

Durham-York Energy Centre - Environmental Monitoring Inspection (EMI) Report				
Section 1 (continued): EMI Rpt - Sediment and Erosion Control Monitoring Inspection by Courtice Power Partners				
E&SC Measures	Location	Deficiencies	Photos Taken (Y/N)	Notes/Observations (incl. during visit weather conditions)
West SWM Pond		Yes	Y	Flow noted from inlet. Inlet has silt buildup. Flow noted into outlet structure and at discharge point. Division at forebay of pond is partially submerged.
East SWM Pond		Yes	Y	Flow noted from inlet. Inlet has construction debris. No flow into outlet structure or at discharge point. Division at forebay of pond is partially submerged. Discharge point is >50% silted.
Downstream Receiving Swale		None	Y	Receiving swales are flowing and unobstructed.
Section 2: Surface Water and/or Spill Control Response Sampling Summary Rpt by Golder Associates Ltd.				
Surface Water Sampling Performed (Y/N):		—	Details: —	
SW Feature	Time of Inspection	Photos Taken	Notes/Observations (incl. during visit weather conditions)	
East SWM Pond	—	—	—	
West SWM Pond	—	—	—	
Downstream Receiving Swale	SW1 (US) Station: SW2 (DS) Station:	— —	— —	— —
Tooley Creek	SW3 (US) Station: SW4 (DS) Station:	— —	— —	— —
Sign-off				
	Print Name	Signature		
Courtice Power Partners Representative/EMI	<u>Jessica</u>	<u>[Signature]</u>		
Golder Field Representative/CEP:	<u>Jessica Harrchell</u>	<u>[Signature]</u>		
Covanta Representative:	Amanda Huxter	<u>Amanda Huxter BSc. ASCT</u>		