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2012 – Audit Durham York Energy Centre

Construction Phase Audit
EA file no. 04-EA-02-08

Prepared by:

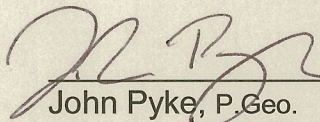


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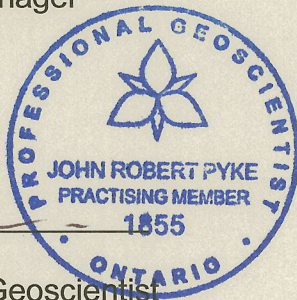
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Prepared for
Regional Municipality of Durham

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Distribution:
1 copy + 1 pdf – Region of Durham
1 copy – Malroz Engineering Inc.

NOTICE TO READER

This report summarizes the results of an Audit of the Durham York Energy Center undertaken by *Malroz Engineering Inc.* on June 1, 2012.

Malroz was retained by *The Regional Municipality of Durham* to perform this audit. The data evaluations reported herein were completed in a manner which is consistent with the level of care and skill normally exercised by other members of the engineering and geoscience professions currently practising under similar conditions, subject to the time, financial, and physical constraints applicable to these services.

The findings reported in this document are based on the tasks completed by *Malroz*. Professional judgement, experience with similar investigations, and available data collected within the scope of work form the basis for this report. *Malroz* has prepared this report using information understood to be factual and correct. This undertaking cannot be relied upon to detect information or facts that were inaccurate, concealed, or not fully disclosed at the time of our work. No guarantees are either expressed or implied.

Environmental conditions can be expected to change over time. The findings and conclusions of this report are valid only at the time at which this work was conducted. If future work is undertaken, or new information becomes available, *Malroz* should be so advised in order to re-evaluate the conclusions of this report and make any necessary modifications.

This document has been prepared by *Malroz* for the sole use of *The Regional Municipality of Durham*, to evaluate compliance with respect to requirements set forth in regulations and permitting. Unauthorized reuse of this document for any other purpose, or by third parties, without the express written consent of *Malroz*, shall be at such party's sole risk without liability to *Malroz*.

Data, tables, charts, graphs, and interpretive illustrations presented in this document can only be properly evaluated when reviewed together with the accompanying report. Reference to this report should only be made to the full, intact document.

This notice to reader is an integral part of the accompanying report and must remain with it at all times.

Respectfully Submitted,

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1.0 Introduction and Overview

1.1 Introduction

Durham and York Regions developed independent long-term Waste Management Strategy Plans to effectively address future residential waste management demands from their jurisdictions. Limited landfill capacity in Ontario – combined with the general public's growing opposition to landfills – has increased the desire to develop alternatives to traditional waste disposal methods in an environmentally safe and sustainable manner.

Durham and York Regions partnered in 2005 to undertake an environmental study investigating alternative methods to manage their future residential waste. The study addressed the social, economic, and environmental concerns of residents through an Environmental Assessment (EA) process mandated under the Ontario Environmental Assessment Act. Based on the evaluation of environmental, social and economic considerations, the study identified a mass burn incinerator as the most environmentally sustainable disposal option for residual municipal solid waste in the Regions.

The MOE approved construction of a mass burn incinerator in Clarington in 2010 following the completion of the EA. The facility will be capable of processing approximately 140,000 tonnes of post-diversion residual waste annually, as well as recovering metals and energy. The incinerator will be located at 72 Osbourne Road in the Municipality of Clarington. The 12-hectare parcel is north of the Courtice Water Pollution Control Plant in the Regional Municipality of Durham (see Figure 1, Appendix A).

1.2 Report Overview

Section 16 of the Notice of Approval to Proceed with the Undertaking dated October 21, 2010, from the Minister of the Environment, mandates that third party audits be completed. Further, the audit plan is to be approved by the Regional Director prior to implementation. Approval of the Construction Phase Audit Plan was received on December 8, 2011. A pre-audit consultation was undertaken with project staff on May 17, 2012. The purpose of the audit program is to confirm:

- compliance with applicable legislation,
- compliance with applicable approvals and permits such as the Certificate of Approval and site plan permit,
- conformance with EA commitments,
 - employment of controlled entrances and exits at the construction site to minimize the offsite tracking of mud,
 - temporary and permanent grassing in disturbed areas

- dust control during dry periods,
 - possible implementation of an idling protocol as required,
 - adherence to an equipment maintenance program, and,
 - ambient air quality monitoring for particulate matter may be undertaken to monitor the effectiveness of the mitigation measures.
- records verifying visual sweep for species of concern, and,
 - records demonstrating adherence to protocols for archaeological aspects

This audit report covers the first audit for site preparation and installation of services. The audit site visit was conducted on June 1, 2012. Prior to the audit a summary audit checklist was developed to summarise the requirements of the EA and CoA. Further additional compliance items related to Ministry of Labour health and safety requirements were added to the checklist. The summary checklist, with notes made by the auditors during the audit site visit, is attached in Appendix B for reference. The checklist was used to guide the site walkthrough, document review and personnel interviews.

Findings of the Durham York Energy Centre audit are summarized in the following four sections of this audit report.

2.0 Site Walkthrough

Malroz personnel arrived at the Durham York Energy Centre site on June 1, 2012 at approximately 9:00 am to conduct the site audit. The audit personnel consisted of Steven Rose, P.Eng., P.Geo. (auditor) and John Pyke, P.Geo. (assistant auditor). Personnel from the owner (Durham Region), owner's representative (HDR), constructor (Covanta), and contractor (Courtice Power Partners as represented by Kenaidan Contracting) were onsite to support the audit. A briefing was held, where each representative introduced them self and provided their name, employer, project related responsibility, and background. Personnel names, employer and contact information were collected on a sign in sheet (Appendix C).

Site personnel provided a health and safety briefing and construction status overview prior to the site walkthrough. Photo documentation collected during the site walkthrough is attached (Appendix D). Notes collected during the walkthrough are provided in the audit summary checklist (Appendix C).

Jesse House of Courtice Power Partners led the tour, which started at the trailers in the northeast corner of the construction site, and proceeded in a clockwise direction. The construction of the facility was underway, with site grading and implementation of erosion control initiated. The site was stripped of most vegetation.

Two storm water management ponds were observed, one in the southeast corner and the other in the southwest corner of the site. Weather conditions during the site walkthrough consisted of light to moderate rainfall, seasonal temperatures, and light winds. Rainwater was predominately directed to the southwest pond.

Several measures to control erosion and soil movement were observed:

- separate graveled entrances, exits and roads were used by vehicles that leave the construction site rather than sharing the same ungravelled routes as vehicles that remain at the site (to minimize off-site tracking of mud),
- temporary seeding of stockpiled topsoils,
- use of reverse grading (where possible) to direct surface flow inwards from the site perimeter,
- storm water management ponds, rock check dams and silt curtains were in place to control erosion.

In addition to erosion control, protocols were implemented to protect species of concern, including daily site checks, and use of erosion control features that are protective of milk snakes. Environmental handling procedures, which included the use of secondary containment for fuel and oil storage were observed. Wash water from cement trucks is contained and re-circulated by the trucks to ensure no disposal of cleanout materials onsite. Safety fencing surrounded the site, and lockable gates were observed at each

site access location. Temporary fencing and signage around the building foundation excavation provided a safe environment for the workers.

During the site walk though, general compliance with the approvals requirements was noted. Areas to review and document at the next audit were identified:

- The hazardous materials enclosure was identified as temporary, and a more permanent storage facility will be created that employs best management practices.
 - The facility erected to support construction should be adequate for the type and quantity of materials at the site. Appropriate signage and access should be implemented.
- During construction, fencing and silt curtains may need to be moved to accommodate site activities.
 - construction personnel stated that removed fencing is replaced as soon as practicably possible. Erosion and sediment control should be maintained where required when fencing is removed.

- The storm water management pond in the southeast corner of the site was not in use at the time of the visit as it was recently excavated. Further work will be undertaken to grade the area so that storm water from the east side of the site is directed towards this management pond.
 - Appropriate erosion and sediment control should be implemented as soon as construction of the pond is completed.

- Exposed soils with little to no protective cover were present on site. One stockpile of soils in the northwest portion of the site had been seeded. As a result of ongoing site grading, permanent cover placement was not in place at the time of this site visit. When grading is complete, cover placement will be initiated.
 - Appropriate cover materials, erosion and sediment control should be implemented on stockpiled and exposed soils where practical during grading and upon completion of grading.

These items were noted and discussed with construction personnel during the site walkthrough. The above items were identified as being part of the planned phased construction program. The site walkthrough did not identify areas of non-compliance for this stage of the phased construction program.

3.0 Documents Review

Following the walkthrough, a detailed review of the required onsite project documents was completed (see Appendix B for Summary Audit Checklist). Documents from the checklist were identified during the review as available or maintained onsite. Project staff were readily able to source a document when requested by the audit team and show relevant supporting documentation.

The approvals identified documents required to be maintained on the project website (<http://www.durhamyorkwaste.ca>). A listing of these documents is found in the web document checklist (see Appendix E). Documents required to be available on the project website were listed and accessible on the website at the time of the review.

During the document review two areas of improvement were identified, and both have been subsequently corrected prior to issuing this report:

- The posted contact information within the site trailer included the incorrect project website,
 - On June 8, 2012, photo verification was received documenting that the signage had been changed to show the correct project website.

- Additional information was needed to complete heritage and archeology policies on the Site Specific Plan.
 - On June 7, 2012 an updated Environmental, Health & Safety, Site Specific Environmental Plan section C5.3.21 Heritage and Archeology was provided that reflected a completed policy.

The document review did not identify areas of non-compliance; however, areas of improvement were indicated and addressed. Areas of improvement have been identified, that need to be brought forward to the next audit.

4.0 Personnel Interviews

Project personnel were asked for clarification, further description and explanation by the audit team during the site walkthrough and document review to permit identification and resolution of items as they were identified. The project team; including the owners' staff, owners' representative, constructor and contractor, appeared to be working well together. Each team member appeared informed of the site activities and kept each other up to date on an ongoing basis.

Malroz led a group interview and review of the audit (see Appendix F for a list of the personnel in the interview. Six questions were asked of the group to generate discussion relating to the initiation and implementation of the project. A summary of the questions and responses are provided below:

- What conditions have you encountered that have been challenging from a compliance perspective?

The volume and detail of the documentation for this project has been challenging to manage. Integrating multiple approvals and tailoring requirements to meet various stages of the project implementation has been challenging. New personnel face substantial challenges getting up to speed on the permitting and approvals requirements.

- Have any areas been identified as requiring improvement and if yes what areas?

Multiple approvals for the construction have been granted, including the host community agreement, a certificate of approval, an environmental assessment, and various monitoring plans. Overlapping requirements and conditions can be challenging to manage. The process for obtaining and managing the approvals could be improved.

- Have contradictions in the various approvals, permits and authorizations been identified?

It was reported that the approval to proceed with the soil testing plan and the operations phase ambient air monitoring program had not been received from the MOE. The MOE was proposing that the testing locations in both plans be linked, though in the opinion of the proponent, the plans were separate.

Contradictions relating to approvals and permits during the construction phase of the project have not been identified by the project team. Overlapping requirements have been identified between the EA and the CoA. However this overlap has not resulted in contradictions.

- Have there been any health and safety issues identified onsite?’

No health and safety concerns related to the onsite construction phase were identified.

- Have there been any changes in management on this project?

Staff assigned to the project by the Region of Durham has been consistent with some additions to project staff and no recent changes in management. The constructor and contractor staff identified no recent changes in project management.

- Are lessons learned on the project reviewed as a group or by individual employer?

Onsite during construction there are regular reviews between the contractor, the constructor and the owners’ representative. This review system ensures that everyone is current on progress, concerns, and is able to address issues quickly as they arise.

Regular monthly review meetings that include the owners, the constructor, the contractor and the owners’ representative are undertaken. Outside parties including the MOE are invited to the meetings. Schedule, performance and quality are reviewed on an ongoing basis.

The interviews did not identify areas of non compliance.

Following the interviews, the audit team provided a brief recap and summary of findings to the interviewees. The audit was completed at 3:15 pm.

5.0 Summary and Recommendations

Section 16 of the Notice of Approval to Proceed with the Undertaking dated October 21, 2010, from the Minister of the Environment, mandates that third party audits be completed. This audit satisfies both the annual requirement for 2012, and the inaugural audit associated with site grading, installation of services, and foundation installation.

The audit comprised three parts; site walkthrough, document review, and interviews. The components of this audit were completed on June 1, 2012. No areas of non-compliance were identified. Several areas for improvement were noted:

Areas of improvement addressed prior to audit report issue:

- The posted contact information within the site trailer included the incorrect project website,
 - On June 8, 2012, photo verification was received documenting that the signage had been changed to show the correct project website.
- Additional information was needed to complete heritage and archeology policies on the Site Specific Plan.
 - On June 7, 2012 an updated Environmental, Health & Safety, Site Specific Environmental Plan section C5.3.21 Heritage and Archeology was provided that reflected a completed policy.

Areas of improvement to be observed at next audit:

- The hazardous materials enclosure was identified as temporary, and a more permanent storage facility will be created that employs best management practices.
 - The facility erected to support construction should be adequate for the type and quantity of materials at the site. Appropriate signage and access should be implemented.
- During construction, fencing and silt curtains may need to be moved to accommodate site activities.
 - construction personnel stated that removed fencing is replaced as soon as practicably possible. Erosion and sediment control should be maintained where required when fencing is removed.
- The storm water management pond in the southeast corner of the site was not in use at the time of the visit as it was recently excavated. Further work will be undertaken to grade the area so that storm water from the east side of the site is directed towards this management pond.

- appropriate erosion and sediment control should be implemented as soon as construction of the pond is completed.
- Exposed soils with little to no protective cover were present on site. One stockpile of soils in the northwest portion of the site had been seeded. As a result of ongoing site grading, permanent cover placement was not in place at the time of this site visit. When grading is complete, cover placement will be initiated.
 - Appropriate cover materials, erosion and sediment control should be implemented on stockpiled and exposed soils where practical during grading and upon completion of grading.

In the opinion of the auditors, the project team was working well to obtain and maintain compliance with all approvals and authorizations of the Environmental Assessment and Certificate of Approval for the construction of this facility.

Appendix A
Figure 1 - Site Location



approx. scale (m)
0 500



Energy Centre Site Location Plan

Construction Phase Audit
Durham York Energy Centre
Clarington, Ontario, Canada

Figure

1

File: 795-104.00
created: BC 12/06/11
modified: BC 12/06/11
checked: AP 12/06/13

Appendix B
Audit Summary Checklist

Appendix B Audit Summary Checklist

Auditor Checklist		Documentation Required	Summary of Requirement	Reference Document	Relevant Section of Reference Document	Owner Comments	Auditor Comments
Item	Observed / Reviewed						
1	√	ESDM	the ESDM Report	Environmental Assessment	COA 14. (9) (a)	Initial report included as part of the CofA Application (SCHEDULE "A", (3) (b)), no further report required at this time.	version 1.0 dated March 2011
2	√	Acoustic Assessment Report	the Acoustic Assessment Report;	Environmental Assessment	COA 14. (9) (b) COA 7 (5) b.	Initial Acoustic Assessment is included as part of the CofA Application (SCHEDULE "A", (1) (b)), no further reports required at this time	rev. 1.01 dated March 2011
3	√	Certificate of Approval & Notices of Amendment & Schedule "A" documents	The Owner shall ensure that a copy of this Certificate, in its entirety and including all its Notices of Amendment and the Supporting Documentation listed in Schedule "A" are retained at the Site at all times.	Environmental Assessment	COA 1 (19)		application dated March 2011, CofA 7306-8FDKNX - June 28, 2011
4	√	Emergency Contact Information - Names & Numbers	The Owner shall ensure that the names and telephone numbers of the persons to be contacted in the event of an emergency situation are kept up-to-date, and that these numbers are prominently displayed at the Site and at all times available to all staff and	Environmental Assessment	COA 11. (5)		observed posted in site trailer
5	√	Written Description of Site Activities	The Owner shall maintain an on-Site written or digital record of activities undertaken at the Site. All measurements shall be recorded in consistent metric units of measurement. As a minimum, the record shall include the following:	Environmental Assessment	COA 14. (4)	See specific Conditions 14. (4) (i),(j),(k)	applies to operations - daily log kept by Covanta on construction activities
6	×	Soil Testing records	all records produced during the Soil Testing;	Environmental Assessment	COA 14. (4) I COA 7 (10)	Not yet available - may include letter	plan submitted which is tied to ambient air monitoring - testing not initiated - approval not received
7	√	Groundwater and Surface Water Monitoring records	all records produced during the Groundwater and Surface Water Monitoring required by this Certificate;	Environmental Assessment	14. (4) (j)		Groundwater records observed - SW testing not commenced yet
8	×	Ambient Air Monitoring records	all records produced during the Ambient Air Monitoring required by this Certificate;	Environmental Assessment	14. (4) (k)	Not available - plan submitted to MOE, awaiting approval	plan available dated May 8, 2012

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Auditor Checklist		Documentation Required	Summary of Requirement	Reference Document	Relevant Section of Reference Document	Owner Comments	Auditor Comments
Item	Observed / Reviewed						
9	×	Soil Testing Report	Within one (1) month of completion of each Soil Testing event, the Regions shall submit to the District Manager a Soil Testing Report, which includes the details on the sampling/testing procedures, the results of the testing and a comparison with the resu	Environmental Assessment	15. (4)		plan awaiting MOE approval
10	✓	Soil Testing Plan	This Plan be kept at the Site at all times and be available for inspection by a Provincial Officer upon request.	Environmental Assessment	13. (4) (b) (iv)		plan dated September 23, 2011
11	✓	Daily log book	The proponent shall retain, either on site or in another location approved by the District Manager, a copy of the daily log book and any associated documentation.	Environmental Assessment	15.2		see item 5 - daily log kept on-site by Covanta
12	×	Daily log book	The record of daily site inspections required to be maintained by Condition 14.3;	Environmental Assessment	15.1.e		required during operations
13	×	Daily log book	A record of the daily inspections shall be kept in the daily log book required in Condition 15. The information below must be recorded in the daily log book by the person completing the inspection and includes the following information: (a) date of record and the name and signature of the person completing the report; (b) quantity and source of the incoming waste received at the site; (c) records of the estimated quantity of waste thermally treated in the boilers; (d) quantity of the unacceptable waste received at the site by the end of the approved waste receipt period and the type(s) of unacceptable waste received; (e) quantity and type of residual waste shipped from site, including any required outgoing residual waste characterization results; (f) destination and/or receiving site(s) for the residual waste shipped from the site (g) quantity and type of any rejected waste accepted at the site; (h) destination and/or receiving site(s) for the rejected waste shipped from the site; (i) housekeeping activities, including litter collection and washing/cleaning activities, etc. (j) amount of electricity produced; (k) amount of excess electricity exported to the electrical grid.	Environmental Assessment	14.3		required during operations

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Auditor Checklist		Documentation Required	Summary of Requirement	Reference Document	Relevant Section of Reference Document	Owner Comments	Auditor Comments
Item	Observed / Reviewed						
14	√	Annual Compliance Report	The proponent shall retain either on site or in another location approved by the Director, a copy of each of the annual Compliance Reports and any associated documentation of compliance monitoring activities.	Environmental Assessment	5.6		Annual Compliance Report dated October 31, 2011
15	√		Construction phase drainage will route stormwater from throughout the Site to a stormwater sedimentation pond and to the extent feasible, maintain existing drainage routes. Permanent SWM ponds may be constructed early to reduce need for sedimentation ponds.	Environmental Assessment	11.1.2		Two ponds were observed, one in the SE corner, one in SW corner, out fall to CN swall, currently pump out ponds as needed
16	√		Use of perimeter ditching and site grading as well as silt fencing around forested areas to isolate runoff.	Environmental Assessment	11.1.2		rock check dams multiple barriers - carpeting after curtain
17	√		Use of setback transition use areas and erosion control fencing along watercourses.	Environmental Assessment	11.1.2		silt curtain along perimeter fencing; other erosion control measures observed in constructed drainage swales
18	√		ESC will be implemented during the construction phase to reduce potential soil loss and runoff velocities.	Environmental Assessment	11.1.2		rock check dams in drainage swales; silt curtains and erosion prevention mats in place to maintain ESC
19	√		During the construction phase, stormwater will be routed via conveyance swales and/or storm sewers draining catchbasins to a SWM pond in the southwest corner of the Site.	Environmental Assessment	11.1.2		two ponds currently in use; connected by drainage swales, no catch basins
20	√		The pond will discharge to the CN Rail swale and stormwater will subsequently be conveyed to Tooley Creek.	Environmental Assessment	11.1.2		little to no discharge, ponds pumped as needed temporary piped discharge outfall is in place at the outlet of the west storm water management pond
21	√		In addition to the pond, lot level, and conveyance controls such as surface stabilization measures, sediment traps, and swales enhanced with rock check dams will also be employed.	Environmental Assessment	11.1.2		most site exposed soils, rock check dams along north and west drainage courses
22	√		Grading plans will be designed to maintain existing drainage patterns which will ensure all captured stormwater will be routed through SWM features.	Environmental Assessment	11.1.2		site grading in progress, storm water observed to be captured on site in two storm water management ponds
23	√		Dewatering and excavation pumping is expected in order to establish a sufficiently dry environment to construct the Facility foundations.	Environmental Assessment	11.1.2		management of surface water accumulation observed in open excavations adjacent to exposed building foundation walls

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Item	Observed / Reviewed						
24	√		A series of groundwater monitoring wells may be installed within the Site to assess the Facility's effects on both groundwater quantity and quality during construction to be determined at subsequent approvals stage.	Environmental Assessment	11.1.2		wells completed above grade, good external condition, locked
25	√		Topsoil and subsoil salvage and storage.	Environmental Assessment	11.2/11.3		3 piles, recently seeded western pile - stored onsite with excess to be reused by region
26	√		Apply erosion and sedimentation control measures (also described in surface water).	Environmental Assessment	11.2/11.3		see item 18
27	√		Pile driving effects will be reduced through alternative technologies (e.g., vibratory pile driving), controls, and scheduling.	Environmental Assessment	11.4		not using piles during construction, building construction using spread footings
28	√		Construction vehicle traffic is predicted to be acceptable against applicable criteria, but short-term (i.e., 1-hour) effects during peak demand are possible. These peaking issues will be reduced through scheduling and planning of vehicle trips.	Environmental Assessment	11.4		- based on manpower resource impact to local roads assessed on a ongoing basis - 2 concrete trucks 2 support personnel vehicles and approximately 20 personal vehicles observed
29	√	Monitoring Program	A monitoring program and contingency plan will be implemented to address any issues that may arise during the construction and post-closure periods of the Facility.	Environmental Assessment	11.4		construction monitoring underatken by - Kenaidan - EHS contents R16.docx - Post-closure-n/a
30	√		The Facility will be designed to current standards incorporating efficiencies and design enhancements that reduce sound emissions.	Environmental Assessment	11.4		everything internal engineered design, acoustic RFP, EA appendix A of Technical requirements
31	×		Where necessary, mitigation measures will be included to ensure applicable noise criteria are met at PORs as predicted.	Environmental Assessment	11.4		relevant to operations
32	×		Mitigation measures may include the use of equipment control options such as enclosures, local or property-line barriers, mufflers and silencers, and acoustic baffles or insulation.	Environmental Assessment	11.4		relevant to operations
33	√		Staging of construction activities.	Environmental Assessment	11.5		phased construction plan supporting schedule & construction operations
34	√		Timely removal of construction debris.	Environmental Assessment	11.5		none off-site yet, recycling in place, waste management plan - procedure c5.3.1/p4-> CofA received for waste service providers - removed as needed - source separated recyclables and waste

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Item	Observed / Reviewed						
35	✓	Monitoring Program	A monitoring program and contingency plan will be implemented to address any issues that may arise during the construction of the Facility.	Environmental Assessment	11.5		see item 29 refer to commitments
36	✓		Investment in architectural enhancements to the Facility.	Environmental Assessment	11.5		see host community agreement - \$9 M - report to joint committee
37	✓	Wildlife Protocols	Protective protocols to avoid killing or harming wildlife during Project activities.	Environmental Assessment	11.6		species at risk : milk snake - Golder Tech memo Nov. 16, 2011 - educating for habitat and steps - nesting birds - erosion control mat is designed not to entangle milk snakes
38	✓	Wildlife Protocols	Wildlife corridor along the entire east-west length of the Facility's southern property line may be established to enhance wildlife movement.	Environmental Assessment	11.6		corridor along south naturally vegetated and clear of construction activities
39	✓		Native tree and shrub species will be planted and existing species allowed to grow without disturbance providing additional habitat.	Environmental Assessment	11.6		Landscape plans L - L1/L2 Henry Kortekeas & Associates protected tree - reseeded of topsoil - new trees along south prop line
40	✓	Pre-construction Bird Survey	Undertake a pre-construction survey to assess bird nesting activity prior to clearing and grubbing.	Environmental Assessment	11.6		Golder - Nov 16, 2011- Completed October 21, 2011 Covanta pre - construction survey & log
41	✓		Dust control during construction will be accomplished through a number of physical and operational methods such as construction exits, timely revegetation, watering, and staging of work.	Environmental Assessment	11.7/11.8/11.9		Kenaidan - Procedure C5.3.4 Air Quality - Dust separate mud/rock rds, speed control - water trucks, turnover soil, increase moisture -raining during visit - ongoing discussion day to day, shutdown for dryness as needed
42	✓		Deeply buried archaeological resources could still exist and standard conditions regarding discovery of human remains and/or other cultural heritage values will apply.	Environmental Assessment	11.7/11.8/11.9		site orientation program - site specific health and safety Environmental Plan - C5.3.21 - presentation wording not complete will be updated - Call Ministry of Culture, have phone # - updated plan received on June 7, 2012
43	✓	Clarington Master Drainage Plan 2011	Road/pavement improvements to the South Service Road and Osborne Road to accommodate construction vehicles.	Environmental Assessment	11.7/11.8/11.9		new resurface Osborne Rd - part of hosting community agreement master drainage plan overview plan Dwg 8 - staging plan/stage 2, 3 2 of 3 and 3 of 3 - overview provided
44	✓	Committee Documentation	Formation of a Thermal Treatment Facility Site Liaison Committee (SLC) for the construction period.	Environmental Assessment	11.7/11.8/11.9		condition 8 - part of annual compliance report
45	✓	Complaints Protocol	Development and implementation of a community complaints system for construction.	Environmental Assessment	11.7/11.8/11.9		EAAB file EA - 08 - 02 2011.01.31/06.20 in place monthly complaint log - July 13, 2011 Ministry acceptance Amended 11/06/20 log

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Auditor Checklist		Documentation Required	Summary of Requirement	Reference Document	Relevant Section of Reference Document	Owner Comments	Auditor Comments
Item	Observed / Reviewed						
46	✓		Employment of controlled entrances and exits at the construction site to minimize the offsite tracking of mud.	Environmental Assessment	11.1		observed - gated - separate rock/mud road vehicles
47	✓		Temporary and permanent grassing in disturbed areas.	Environmental Assessment	11.1		sediment and erosion control ref: temporary seeding of stockpiles - no permanent grassing at time of audit
48	✓		Dust control during dry periods.	Environmental Assessment	11.1		see earlier comments - raining during visit not observed, procedures in place
49	✓		Possible implementation of an idling protocol as required.	Environmental Assessment	11.1		procedure C5.3.4 - see section 2 part of EHS plan by Courtice Power Partners
50	✓	Maintenance Program	Adherence to an equipment maintenance program.	Environmental Assessment	11.1		operations in project agreement for further development annual service plan section 36.8 of project agreement
51	×	Results of Ambient Air Monitoring	Ambient air quality monitoring for particulate matter will be undertaken to monitor the effectiveness of the mitigation measures.	Environmental Assessment	11.1		plan submitted for approval - not approved yet, no results as intended for operations to initiate 12 months before receipt of waste operations
52	✓	Environmental Training to Site Workers	Environmental protection awareness, spill prevention planning and contingency training will be implemented for all employees as necessary and appropriate.	Environmental Assessment	11.2		- Courtice Power Partners EHS - site orientation level 1 orientation spill mgt C5.3.16 - S.F.5.2.4 site safety orientation check list
53	✓	EA Compliance Monitoring Program	The Regions will prepare and submit to the Director of the EAAB of the Ontario MOE an EA Compliance Monitoring Program.	Environmental Assessment	15		submitted, on project website October 2011 - see item 14
54	✓	ESDM, Acoustic Report, Annual Report, 3rd party audit	The Owner shall keep at the Site the following reports required by this Certificate: (a) the ESDM report; (b) the acoustic assessment report; (c) the annual report; and (d) the third party audit	Certificate of Approval	14. (9)	See specific Conditions 14. (9) (a), (b), (d)	observed documents a, b and c. Check for third party audit at next audit
55	×	Updates to CofA	Any design optimization or modification that is inconsistent with the conceptual design set out in the Supporting Documentation in Schedule "A" shall be clearly identified, along with an explanation of the reasons for the change and submitted to the Director for approval.	Certificate of Approval	1. (3) (b) (i)	No changes to conceptual design. Conceptual design as per the CofA application.	no changes requested to date
56	×	Updates to CofA	If a change to the conceptual design is submitted to the Director for approval, no construction of the Site shall commence prior to the Director approving, in writing, the final conceptual design of the Site.	Certificate of Approval	1. (3) (b) (ii)	No changes to conceptual design. Conceptual design as per the CofA application.	N/A as per item 55

Appendix B Audit Summary Checklist

Auditor Checklist		Documentation Required	Summary of Requirement	Reference Document	Relevant Section of Reference Document	Owner Comments	Auditor Comments
Item	Observed / Reviewed						
57	✓	CoA	The Owner shall ensure that a copy of this Certificate, in its entirety and including all its Notices of Amendment and the Supporting Documentation listed in Schedule "A" are retained at the Site at all times.	Certificate of Approval	1. (19)	*See Site Documents (Construction) tab	see item 3
58	✓		The Owner shall ensure that the Site is fenced in and that all entrances are secured by lockable gates to restrict access only to authorized personnel when the Site is not open.	Certificate of Approval	3. (6)		chain link with barbed wire on top and locked/lockable gates
59	✓	Ambient Air Monitoring and Reporting Plan	The Regions shall develop and implement the Ambient Air Monitoring and Reporting Plan, in accordance with the requirements set out in the EA Approval and as determined to be acceptable by the Regional Director.	Certificate of Approval	7. (4) (a)	Submitted to the MOE, awaiting approval	see item 8
60	×	Soil Testing Plan	Within one hundred and twenty (120) days from the date of this Certificate, the Regions shall undertake the soil testing in accordance with the Soil Testing Plan required by this Certificate.	Certificate of Approval	7. (10) (a)	On hold - submitted to the MOE, awaiting approval. <u>Plan is tied to Ambient Air plan.</u>	awaiting approval - see items 6, 9, 10
61	✓	GW and SW Monitoring Plan	The Regions shall develop and implement the Groundwater and Surface Water Monitoring Plan, in accordance with the requirements set out in the EA Approval and as determined to be acceptable to the Regional Director.	Certificate of Approval	7. (14) (a)	*See Condition 20 on EA Compliance (Construction) tab	see item, 7
62	✓	Results of GW / SW monitoring	The Regions shall report the results of the Groundwater and Surface Water Monitoring program to the Regional Director and to the Director in accordance with the schedule set out in the EA Approval and in accordance with the requirements of Condition 14.	Certificate of Approval	7. (14) (b)	*See Condition 20 on EA Compliance (Construction) tab	see item 7
63	✓	Groundwater and Surface Water Monitoring Plan	The Regions shall post the Groundwater and Surface Water Monitoring Plan and the results of the Groundwater and Surface Water Monitoring program on the Owner's web site for the Facility in accordance with the requirements of the EA Approval and Condition 15.	Certificate of Approval	7. (14) (c)	*See Web Documents (Construction) tab	see item 7
64	✓	Odour Management and Mitigation Plan	The Owner shall prepare and implement an Odour Management and Mitigation Plan in accordance with the requirements set out in the EA Approval and as determined to be acceptable to the Regional Director.	Certificate of Approval	8. (8)	Date as per EA Condition 18.2	submitted/awaiting approval May 4, 2012 (joint regions) - submitted to MOE
65	✓		The Owner shall provide visual screening for the Site in accordance with the documentation included in the attached Schedule" A".	Certificate of Approval	8. (15)	Refers to berm to screen the truck access road as per the HCA	host community agreement - truck laneway screening along south - not yet constructed

Appendix B Audit Summary Checklist

Auditor Checklist		Documentation Required	Summary of Requirement	Reference Document	Relevant Section of Reference Document	Owner Comments	Auditor Comments
Item	Observed / Reviewed						
66	✓	Emergency Contact Information - Names & Numbers	The Owner shall ensure that the names and telephone numbers of the persons to be contacted in the event of an emergency situation are kept up-to-date, and that these numbers are prominently displayed at the Site and at all times available to all staff and emergency response personnel.	Certificate of Approval	11. (5)		see item 4
67	✓	Soil Testing Plan	Within ninety (90) days from the date of this Certificate, the Regions shall prepare and submit to the District Manager for concurrence, a Soil Testing Plan to monitor the impact of the Site operations at the locations where the ambient air monitoring is proposed by the Owner in accordance with the requirements set out in the EA Approval.	Certificate of Approval	13. (4) (a)	Submitted to the MOE, awaiting approval. <u>Tied to Ambient Air Monitoring Plan.</u>	see items 6, 9, 10, 60
68	✓	Soil Testing Plan	This Plan be kept at the Site at all times and be available for inspection by a Provincial Officer upon request.	Certificate of Approval	13. (4) (b) (iv)	Submitted to the MOE, awaiting approval *see Site Documents (Construction) tab	see items 6, 9, 10, 60
69	✗	Soil Testing Records	all records produced during the Soil Testing;	Certificate of Approval	14. (4) (i)	Soil Testing Plan submitted and awaiting MOE approval	not available awaiting plan approval
70	✓	Groundwater and Surface Water Monitoring records	all records produced during the Groundwater and Surface Water Monitoring required by this Certificate;	Certificate of Approval	14. (4) (j)	Baseline sampling occurred in Dec 2011 and Mar 2012	see item 7
71	✓	Air Monitoring Records	all records produced during the Ambient Air Monitoring required by this Certificate;	Certificate of Approval	14. (4) (k)	Ambient Air Monitoring plan submitted and awaiting MOE approval	see item 8
72	✗		The Owner shall keep at the Site the following reports required by this Certificate: (a) the ESDM report; (b) the acoustic assessment report; (c) the annual report; and (d) the third party audit	Certificate of Approval	14. (9)		see item 54. Review at next audit.
73	✓	ESDM	the ESDM Report	Certificate of Approval	14. (9) (a)	*See the Site Documents (Construction) tab	see item 1
74	✓	Acoustic Assessment Report	the Acoustic Assessment Report;	Certificate of Approval	14. (9) (b)	*See the Site Documents (Construction) tab	see item 2

Appendix B Audit Summary Checklist

Auditor Checklist		Documentation Required	Summary of Requirement	Reference Document	Relevant Section of Reference Document	Owner Comments	Auditor Comments
Item	Observed / Reviewed						
75	✗	Annual Compliance Report	Annual Report	Certificate of Approval	14. (9) (c)		not applicable for 1 st audit
76	✗	3rd Party Audit	Third Party Audit	Certificate of Approval	14. (9) (d)		not applicable for 1 st audit
77	✓	Soil Testing Results	Within one (1) month of completion of each Soil Testing event, the Regions shall submit to the District Manager a Soil Testing Report, which includes the details on the sampling/testing procedures, the results of the testing and a comparison with the results obtained during the previous Soil Testing.	Certificate of Approval	15. (4)	Soil Testing Plan submitted and awaiting MOE approval	see item 9
78	✗	Current Site Activity for Public Review	The Owner shall, at all times, maintain documentation that describes the current operations of the Facility. The Owner shall post the documentation at the website for the undertaking and during regular business hours, the Owner shall make the following documents available for inspection at the Site by any interested member of the public, upon submission to the Ministry for review: (a) a current ESDM report that demonstrates compliance with the performance limits for the facility regarding all compounds of concern; (b) a current acoustic assessment report that demonstrates compliance with the performance limits for the facility regarding noise emissions; (c) the most recent annual report; (d) the most current third party audit report; (e) odour management and mitigation plan, prepared in accordance with the requirements of the EA approval; (f) noise monitoring and reporting plan, prepared in accordance with the requirements of the EA approval; and (g) groundwater and surface water monitoring and reporting plan, prepared in the accordance with the requirements of the EA approval.	Certificate of Approval	16. (1)	*See the Web Documents (Construction) tab	required during operations
79	N/A	ESDM	a current ESDM Report that demonstrates compliance with the Performance Limits for the Facility regarding all Compounds of Concern;	Certificate of Approval	16. (1) (a)	*See the Web Documents (Construction) tab	applicable during operations
80	✓	Acoustic Assessment Report	a current Acoustic Assessment Report that demonstrates compliance with the Performance Limits for the Facility regarding noise emissions;	Certificate of Approval	16. (1) (b)	*See the Web Documents (Construction) tab	observed on project website

Appendix B Audit Summary Checklist

Auditor Checklist		Documentation Required	Summary of Requirement	Reference Document	Relevant Section of Reference Document	Owner Comments	Auditor Comments
Item	Observed / Reviewed						
81	√	Annual Report	the most recent Annual Report;	Certificate of Approval	16. (1) (c)	*See the Web Documents (Construction) tab	observed on project website
82	√	Odour Management and Mitigation Plan	Odour Management and Mitigation Plan, prepared in accordance with the requirements of the EA Approval;	Certificate of Approval	16. (1) (e)	*See the Web Documents (Construction) tab	observed on project website, see item 64
83	√	Noise monitoring plan	Noise Monitoring and Reporting Plan, prepared in accordance with the requirements of the EA Approval; and	Certificate of Approval	16. (1) (f)	*See the Web Documents (Construction) tab	observed on project website
84	√	GW and SW Monitoring Plan	Groundwater and Surface Water Monitoring and Reporting Plan, prepared in accordance with the requirements of the EA Approval.	Certificate of Approval	16. (1) (g)	*See the Web Documents (Construction) tab	observed on project website, see items 7 & 61.
85	√	Action Committee Documentation	The Regions shall establish an Advisory Committee in accordance with the requirements set out in the EA Approval.	Certificate of Approval	17. (1)	EFWAC established	see item 44
86	√	NOPC to MOL	Notice of Project Commencement filed with MOL		general requirement to conform to applicable legislation and protect health and safety		filed January 19, 2012 - posted by Coutice Power Partners
87	√	HASP	Health and Safety Plan, including spills and upset conditions		general requirement to conform to applicable legislation and protect health and safety		Courtice Power Partners Environmental, Health & Safety EHS - posted by Courtice Power Partners
88	√	Inspection Reports	Inspection Reports (municipal/provincial/federal)		general requirement to conform to applicable legislation and protect health and safety		1 site visit by MOE as part of regularly scheduled meeting, update mtgs - inspected by Durham Region Safety Consultant

Appendix C
Audit Sign in Sheet

NAME

E-MAIL

Phone #

Kristy Brooks, Durham Region	kristy.brooks@durham.ca	905-668-4113 ext. 3546
Lyndsay Walter, Durham Region	lyndsay.walter@durham.ca	905 668-4113 x28
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JIM DELANEY, COLANTA	JDELANEY@COLANTACONSTRUCTION.COM	860.422.5350
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GREG BORCHUK, RMD	greg.borchuk@durham.ca	905 905 ^{x22} 26178
Donna Singler HDR	Donna.Singler@hdrinc.com	905-925-9625
Jesse House CPP	Jhouse@kenaidan.com	(416) 949-3200
Jeff Bedard CPP	jbedard@kenaidan.com	(416) 574-5525

Appendix D
Site Walkthrough Photos



Jun-01-2012 09:31 AM

Photo 1: Gravel access road for truck traffic accessing the site.



Jun-01-2012 09:37 AM

Photo 2: Protected tree (spruce) with surrounding fabric barrier - raised gravel access road to east fence line and site exit.



Jun-01-2012 09:40 AM

Photo 3: On-site fueling depot with secondary containment for stored fuel, fire extinguisher and placards present.



Jun-01-2012 09:14 AM

Photo 4: Looking southwest along south property line.



Photo 5: Looking northwest across site from southeast corner of site.



Photo 6: Looking north across site from southeast corner of site.



Photo 7: Looking northeast along east property line from southeast corner of site.



Photo 8: East storm water management pond - view from west looking to east fence line.



Photo 9: East storm water management pond, view to the north



Photo 10: Silt curtain and erosion control carpet at southeast corner.



Photo 11: Looking west along south property line showing wildlife corridor outside of fence.



Photo 12: Erosion and sediment control mat outside of fence; wildlife corridor beyond worked ground.



Photo 13: Monitoring wells installed at southwest corner of the site.



Photo 14: Looking east along south property line.



Photo 15: Looking northeast across site from southwest corner.



Photo 16: Looking north across site from southwest corner.



Photo 17: Looking northwest across the site from the southwest corner.



Photo 18: looking north to the west storm water management pond discharge pipe visible in foreground.



Photo 19: Temporary discharge gallery from west storage pond immediately outside of south fence line near southwest corner.



Photo 20: Vegetation beyond the temporary discharge gallery near southwest corner.



Photo 21: Looking north along west property Line, showing sediment control.



Photo 22: Rock check dams along drainage swale flowing south adjacent to the west fence line.



Photo 23: View of west fence line and drainage swale looking north from west edge of west storm water management pond.



Photo 24: Looking northwest at west storm water management pond.



Photo 24: Looking east across west storm water management pond, showing erosion control features.



Photo 25: West storm water management pond showing discharge pipe in left foreground and temporary pump to maintain a low water level in the pond.



Photo 26: Drainage swale along west fence line with check dams present - seeded soil storage pile in the background.



Photo 27: Looking south across site, showing recently seeded stockpiled soils (at right).



Photo 28: View of locked access gate at northwest corner of site.



Photo 29: Drainage swale along the property line looking west.



Photo 30: View of north fence line and drainage swale looking east. Rock check dams and culvert crossing under temporary road access to the west.



Photo 31: View of north fence line and drainage swale looking northeast.



Photo 32: View of building construction progress, view from north looking south.



Photo 33: Recirculating water bucket and pump to capture wash water from cement trucks, no on-site discharge.



Photo 34: View of posted documentation in site trailer.



Photo 35: liquid material handling with secondary containment.



Photo 36: health and safety signage and fencing around active work area.

Appendix E
Documents Available on the Project Website

Item #	Confirmed	DOCUMENT REQUIRED	REFERENCE DOCUMENT	SPECIFIC CONDITION/SECTION	DETAILED CONDITION/SECTION	COMMENTS	Web Link	Web Link - to specific PDF
Web 1	✓	Ambient Air Monitoring and Reporting Plan & Reports	EA	11.9	The proponent shall post the Ambient Air Monitoring and Reporting Plan and the results of the ambient air monitoring program on the proponent's web site for the undertaking upon submission of the plan or results of the program to the ministry.	Also required by CoFA Condition 7. (4) (c).	http://durhamyorkwaste.ca/project/project.doc.htm	http://durhamyorkwaste.ca/pdfs/project/DY_AQ_MonitoringPlan_Feb10_2012.pdf
W 2	✓	Ambient Air Monitoring and Reporting Plan & Reports	CofA	7. (4) (c)	The Regions shall post the Ambient Air Monitoring and Reporting Plan and the results of the Ambient Air Monitoring program on the Owner's web site for the Facility in accordance with the requirements of the EA Approval and Condition 15.	Also required by EA Condition 11.9	http://durhamyorkwaste.ca/project/project.doc.htm	http://durhamyorkwaste.ca/pdfs/project/DY_AQ_MonitoringPlan_Feb10_2012.pdf
W 3	✓	Complaint Protocol	EA	7.4.c	Information on the Complaint Protocol required by Condition 6 of this Notice of Approval.	Complaint Protocol is also referenced in EA Conditions 6.2 and 6.3.	http://durhamyorkwaste.ca/project/project.doc.htm	http://durhamyorkwaste.ca/pdfs/project/DurhamYorkEFCWComplaintProtocol.pdf
W 4	✓	Complaint Protocol	EA	6.2	The Complaint Protocol shall be provided to the advisory committee for review prior to submission to the Director.	Required to be posted based on EA Condition 7.4.c, but otherwise does not specifically state that the plan must be posted the website. Also referenced in EA Condition 6.3.	http://durhamyorkwaste.ca/project/project.doc.htm	http://durhamyorkwaste.ca/pdfs/project/DurhamYorkEFCWComplaintProtocol.pdf
W 5	✓	Complaint Protocol	EA	6.3	The proponent shall submit the Complaint Protocol to the Director within one year from the date of approval or a minimum of 60 days prior to the start of construction, whichever is earlier.	Required to be posted based on EA Condition 7.4.c, but otherwise does not specifically state that the plan must be posted the website. Also referenced in EA Condition 6.2.	http://durhamyorkwaste.ca/project/project.doc.htm	http://durhamyorkwaste.ca/pdfs/project/DurhamYorkEFCWComplaintProtocol.pdf
W 6	✓	Compliance Monitoring Program	EA	4.1	The proponent shall prepare and submit to the Director a Compliance Monitoring Program outlining how it will comply with conditions in the Notice of Approval and other commitments made in the environmental assessment.	Required to be posted based on EA Condition 7.4, but otherwise does not specifically state that the plan must be posted the website	http://durhamyorkwaste.ca/project/project.doc.htm	http://durhamyorkwaste.ca/pdfs/project/2011.09.23_DYEC_DraftComplianceMonitoringProgram.pdf
W 7	✓	Compliance Reports	EA	5.4	The proponent shall submit annual Compliance Reports until all conditions in this Notice of Approval and the commitments in the environmental assessment are satisfied.	Required to be posted based on EA Condition 7.4, but otherwise does not specifically state that the plan must be posted the website. Compliance reports are also referenced in EA Condition 8.2.d	http://durhamyorkwaste.ca/project/project.doc.htm	http://durhamyorkwaste.ca/pdfs/project/AnnualComplianceReport2011.10.31_DYEC_2011ComplianceMonitoringReport.pdf
W 8	✓	Compliance Reports	EA	8.2.d	Preparing an annual report about the advisory committee's activities to be submitted as part of the Compliance Reports required by Condition 5 of this Notice of Approval.	Required to be posted based on EA Condition 7.4, but otherwise does not specifically state that the plan must be posted the website. Compliance reports are also referenced in EA Condition 5.4	http://durhamyorkwaste.ca/project/project.doc.htm	http://durhamyorkwaste.ca/pdfs/project/AnnualComplianceReport2011.10.31_DYEC_2011ComplianceMonitoringReport.pdf
W 9	✓	Groundwater and Surface Water Monitoring Plan	CofA	16. (1) (g)	Groundwater and Surface Water Monitoring and Reporting Plan, prepared in accordance with the requirements of the EA Approval.	Also required by CoFA Condition 7. (14) (c) and EA Condition 20.1.	http://durhamyorkwaste.ca/project/project.doc.htm	http://durhamyorkwaste.ca/pdfs/project/09152011/2011.09.15_DYECGroundwaterandSurfaceWaterMP.pdf
W 10	✓	Groundwater and Surface Water Monitoring Plan & Reports	EA	20.10.	Prior to the start of construction, the proponent shall identify any areas where the undertaking may affect groundwater or surface water. For those areas, the proponent shall prepare and implement, in consultation with the ministry's Central Region Office and to the satisfaction of the Regional Director, a Groundwater and Surface Water Monitoring Plan.	Also required by CoFA Conditions 7. (14) (c) and 16. (1) (g).	http://durhamyorkwaste.ca/project/project.doc.htm	http://durhamyorkwaste.ca/pdfs/project/09152011/2011.09.15_DYECGroundwaterandSurfaceWaterMP.pdf
W 11	✓	Groundwater and Surface Water Monitoring Plan & Reports	CofA	7. (14) (c)	The Regions shall post the Groundwater and Surface Water Monitoring Plan and the results of the Groundwater and Surface Water Monitoring program on the Owner's web site for the Facility in accordance with the requirements of the EA Approval and Condition 15.	Also required by CoFA Condition 16. (1) (g) and EA Condition 20.1.	http://durhamyorkwaste.ca/project/project.doc.htm	http://durhamyorkwaste.ca/pdfs/project/09152011/2011.09.15_DYECGroundwaterandSurfaceWaterMP.pdf
W 12	✓	Multiple	EA	7.4	The proponent shall give notice of and provide information about the undertaking to interested members of the public and Aboriginal communities through an internet web site and by other means. Such information shall include:	This condition requires posting of multiple documents (no specific documents listed as part of this condition).	http://durhamyorkwaste.ca/project/project.doc.htm	
W 13	✓	Multiple	EA	7.4.a	Activities that are part of the undertaking, including monitoring activities;	This condition requires posting of multiple document (no specific documents listed as part of this condition).	http://durhamyorkwaste.ca/project/project.doc.htm	
W 14	✓	Multiple	EA	7.4.b	Reports and records related to the undertaking that are required to be submitted under this Notice of Approval or under any other ministry approvals that apply to the undertaking; and,	This condition requires posting of multiple document (no specific documents listed as part of this condition).	http://durhamyorkwaste.ca/project/project.doc.htm	
W 15	✓	Multiple	CofA	16. (1)	The Owner shall, at all times, maintain documentation that describes the current operations of the Facility. The Owner shall post the documentation at the website for the undertaking and during regular business hours, the Owner shall make the following documents available for inspection at the Site by any interested member of the public, upon submission to the Ministry for review:	This condition does not specifically state which documents shall be posted to website, but interpretation suggests the documents outlined in CoFA Conditions 16. (1) (a)-(g). Note: EA Conditions 16. (1) (a)-(c) are not applicable to the construction phase.	http://durhamyorkwaste.ca/project/project.doc.htm	
W 16	✓	Noise Monitoring and Reporting Plan	EA	19.4	The proponent shall post the Noise Monitoring and Reporting Plan and on the proponent's web site for the undertaking following submission of the plan to the Director.	Also required by CoFA Condition 16. (1) (f)	http://durhamyorkwaste.ca/project/project.doc.htm	http://durhamyorkwaste.ca/pdfs/project/09152011/2011.09.15_DYECNoiseMP.pdf
W 17	✓	Noise Monitoring and Reporting Plan	CofA	16. (1) (f)	Noise Monitoring and Reporting Plan, prepared in accordance with the requirements of the EA Approval; and	Also required by EA Condition 19.4	http://durhamyorkwaste.ca/project/project.doc.htm	http://durhamyorkwaste.ca/pdfs/project/09152011/2011.09.15_DYECNoiseMP.pdf
W 18	✓	Odour Management and Mitigation Plan	EA	18.2	The proponent shall submit the Odour Management and Mitigation Plan to the Regional Director a minimum of six months prior to the start of construction or at such other time as agreed to in writing by the Regional Director.	Required to be posted based on EA Condition 7.4, but otherwise does not specifically state that the plan must be posted the website. Also required by CoFA Condition 16. (1) (e).	http://durhamyorkwaste.ca/project/project.doc.htm	http://durhamyorkwaste.ca/pdfs/project/2011.08.31_DYECOdourMgmtMitigationPlan_Aug.2011.pdf
W 19	✓	Odour Management and Mitigation Plan	CofA	16. (1) (e)	Odour Management and Mitigation Plan, prepared in accordance with the requirements of the EA Approval;	Also required by EA Condition 18.2	http://durhamyorkwaste.ca/project/project.doc.htm	http://durhamyorkwaste.ca/pdfs/project/2011.08.31_DYECOdourMgmtMitigationPlan_Aug.2011.pdf
W 20	✓	Terms of Reference for the Advisory Committee (EFWAC)	EA	8.11	The proponent shall submit the advisory committee's Terms of Reference to the Director and Regional Director.	Required to be posted based on EA Condition 7.4, but otherwise does not specifically state that the plan must be posted the website	http://durhamyorkwaste.ca/project/project.doc.htm	http://durhamyorkwaste.ca/pdfs/project/EFWWMACIEFWWMACTermsofReference.pdf
W 21	✓	Waste Diversion Program Monitoring Plan & Annual Reports	EA	10.5	The proponent shall post the Waste Diversion Program Monitoring Plan and the annual reports required on the proponent's web site for the undertaking.	Waste Diversion Monitoring Plan	http://durhamyorkwaste.ca/project/project.doc.htm	http://durhamyorkwaste.ca/pdfs/project/2011.10.21_MOE_DurhamRegionWasteDiversionSubmission.pdf
W 22	✓	Waste Diversion Program Monitoring Plan & Annual Reports	EA	10.5	The proponent shall post the Waste Diversion Program Monitoring Plan and the annual reports required on the proponent's web site for the undertaking.	Durham Region Annual Report 2010	http://durhamyorkwaste.ca/project/project.doc.htm	http://durhamyorkwaste.ca/pdfs/project/2011.10.21_DurhamRegionWasteManagementAnnualReport2010.pdf
W 23	✓	Waste Diversion Program Monitoring Plan & Annual Reports	EA	10.5	The proponent shall post the Waste Diversion Program Monitoring Plan and the annual reports required on the proponent's web site for the undertaking.	York Region Annual Report 2010	http://durhamyorkwaste.ca/project/project.doc.htm	http://durhamyorkwaste.ca/pdfs/project/2011.10.21_YorkRegion2010WasteDiversionReport_PAGE.pdf

Appendix F
List of Interviewees

Appendix F
List of Interviewees

Item #	Interviewee & Position	Area	Company
88	Greg Borchuk, Project Manager	Owner	Durham
89	Kristy Brooks, Technical Assisstant	Owner	Durham
90	Lyndsay Waller, Operations Technician	Owner	Durham
91	Mike Singler, Construction Manager	Owners Consultant	HDR
92	Jim Delaney, Site Construction Manager	DBO	Covanta
93	Jeff Bedard, Civil/Arch	Constructor	CPP