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General Information and Instructions

General Information

Information requested in this form is collected under the authority of the *Environmental Protection Act* (EPA), *Ontario Water Resources Act* (OWRA) and Environmental Bill of Rights (EBR), and will be used to evaluate applications for Environmental Compliance Approvals (ECAs) issued under Part II.1 of the EPA. This application form should not be used for mobile PCB destruction facilities.

For all questions related to preparing or submitting this form or about the Ministry's collection of information related to applying for an ECA, contact:

Client Services and Permissions Branch
135 St. Clair Ave. West, 1st Floor
Toronto Ontario M4V 1P5
Telephone outside Toronto 1-800-461-6290 or in Toronto 416-314-8001.

Instructions

1. Applicants are responsible for ensuring that they complete the most recent application form. Application forms and information about the required supporting documentation and technical requirements are available from the Client Services and Permissions Branch (the address and phone number are provided in the General Information on this page). As well, you can get this information from your local District Office of the Ministry of the Environment and Climate Change, and online at: <https://www.ontario.ca/page/environmental-approvals>
2. A complete application consists of:
 - a completed and signed application form;
 - all required supporting documents and technical requirements identified in:
 - i. this form,
 - ii. Ministry guidance,
 - iii. the Applications for Environmental Compliance Approvals regulation, and
 - payment of the application fee (in Canadian funds) by certified cheque or money order made payable to the Minister of Finance, or credit card payment (for payments up to \$10,000). For Transfer of Review, make the cheque or money order payable to the appropriate municipality. **The Ministry may return or refuse incomplete applications to the applicant.** The Director may require additional information of any application initially accepted as complete.
3. Submit the complete application as follows:
 - One (1) paper copy (unless the application is a Transfer of Review), one (1) electronic copy and the fee to the Director, Client Services and Permissions Branch at the address provided in the General Information on this page.
 - If the application is a Transfer of Review, the applicant must submit two (2) copies of the completed application and the fee to the designated municipal authority.
4. The applicant must also send a copy of the application without the fee to the local Ministry District Office that has jurisdiction over the area where the facilities are located. DO NOT send payment to the District Office.
 - To locate the appropriate local Ministry District Office, visit the Ministry of the Environment and Climate Change website at: <http://www.ontario.ca/environment-and-energy/ministry-environment-and-climate-change-regional-and-district-offices>
5. For Waste Disposal Sites the applicant must also send a copy of the application without the fee to the Clerk's office of the local municipality (both upper and lower tier) in which the facility/proposed facility is located unless the application is for a revocation or an amendment that is environmentally insignificant or the applicant is a municipality. DO NOT send any payment information to the municipality.

Information collected by the Ministry of the Environment and Climate Change is subject to the *Freedom of Information and Protection of Privacy Act (FIPPA)*. If the applicant is of the view that any part of the application is confidential on the grounds that such information constitutes a trade secret or scientific, technical, commercial, financial or labour relations information, please make this known now. Otherwise, the Ministry may make the information available to the public without further notice to the applicant.

It is an offence under the EPA and OWRA to provide false or misleading information in this application and/or accompanying documents.

Complete the sections as shown below.

- Section 1: Applicant Information
- Section 2: Project Information
- Section 3: Regulatory Requirements
- Section 4: Site Information
- Section 5: Facility Information
- Section 6: Supporting Documentation
- Section 7: Payment Information
- Section 8: Authorization

Fields marked with an asterisk (*) are mandatory.

1. Applicant Information

1.1 Applicant Information

Applicant Type *

☒ Corporation

☐ Individual

☐ Federal Government

☐ Municipal Government

☐ Partnership

☐ Provincial Government

☐ Sole Proprietor

☐ Other (specify) _____

Applicant Name (Legal name of individual or organization as evidenced by legal documents) *

St Marys Cement Inc. (Canada)

☐ Select if Business Name same as Applicant Name

Business Name *

St Marys Cement Inc. (Canada)

Business Number *	Business Website Address
885656942	www.stmaryscement.com

Primary North American Industry Classification System (NAICS) Code *

327310

Other NAICS Code

Separate list attached?

☐ Yes

☒ No

Business Activity Description

Portland cement manufacturing

✓ Completion Status (1.1 Applicant Information)

1.2 Applicant Physical Address

Address Type? *

☒ Civic Address

☐ Survey Address

Civic Address

Unit Number	Street Number *	Street Name *
	410	Bowmanville Avenue

Survey Address

Enter Lot and Concession or Part and Reference Plan

Lot	Concession	Part	Reference Plan
-----	------------	------	----------------

Municipality/Unorganized Township *	County/District
-------------------------------------	-----------------

Clarington

Province/State *

Ontario

Country *

Canada

Postal/Zip Code *

L1C 7B5

Telephone Number *

905-623-3341 ext.

Fax Number

Mobile Number

905-243-5841

Email Address *

ruben.plaza@vcimentos.com

Geo Reference

Description of location	Map Datum	Zone	Accuracy Estimate	Geo-Referencing Method	UTM Easting	UTM Northing
Southwest corner of property	NAD83	17	+/- 30m	Google Earth	684,675.00	4,860,341.00
Physical location of front door or main entrance	NAD83	17	+/- 30m	Google Earth	684,743.00	4,861,286.00



Completion Status (1.2 Applicant Physical Address)

1.3 Applicant Mailing Address☒ Select if same as Physical Address

Unit Number	Street Number *	Street Name *
	410	Bowmanville Avenue

Delivery Designator	Delivery Identifier	Postal Station
---------------------	---------------------	----------------

Municipality/Unorganized Township *	County/District
-------------------------------------	-----------------

Clarington

Province/State *

Ontario

Country *

Canada

Postal/Zip Code *

L1C 7B5

Telephone Number *

905-623-3341 ext.242

Fax Number

Mobile Number

905-243-5841

Email Address *

ruben.plaza@vcimentos.com



Completion Status (1.3 Applicant Mailing Address)

2. Project Information

2.1 Project Name and Description

Project Name *

Alternative Low Carbon Fuel Use at the St Marys Cement Bowmanville Plant

Project Description Executive Summary *

St Marys Cement (SMC), a company of Votorantim Cimentos North America (VCNA) is undertaking efforts to expand their current use Alternative Low Carbon Fuels (ALCFs) as an energy source for their Bowmanville Cement Plant (the Site). This initiative will help to further reduce greenhouse gas emissions in Ontario while diverting materials from landfills. The Site is located at 410 Bowmanville Avenue, in Bowmanville, Ontario, within the Municipality of Clarington and Durham Region.

SMC currently has an Environmental Compliance Approval (ECA) number 0469-9YUNSK to use woody materials as an ALCF at the site. SMC has now prepared an ALCF Application under Ontario Regulation (O. Reg) 79/15 of the Environmental Protection Act as well as support studies for an amendment to their current ECA for the following:

- ☐ increasing the current 96 tonnes of ALCFs used per day to 400 tonnes of ALCFs per day, which is approximately 30% thermal replacement of the conventional fuels (coal, petroleum coke) used at the site with ALCFs;
- ☐ adding biomass, cellulosic and plastic materials derived from industrial and/or post-consumer sources, which cannot be recycled, are not considered hazardous and are not derived from animals or the processing and preparations of food, to the list of approved ALCFs at the Site based on the recent demonstration project at the site;
- ☐ installing new equipment at the Site to accommodate the ALCFs; and
- ☐ increasing the capacity of the current alternative fuels storage at the Site using enclosed containers and buildings.

SMC considers the engagement of Indigenous groups and consultation with adjacent and nearby residents / property owners to be a critical component to their operations. As a result, and in line with the requirements outlined in O. Reg 79/15, SMC has undertaken a range of consultation and engagement activities in support of the preparation of the ALCF Application.

This application is also supported by a number of studies have been prepared in response to public comments or as a requirement of O. Reg 79/15

Supplemental Application Information (select information button for required information for this field) *

In accordance with O. Reg. 79/15 SMC has prepared the following which are attached to this application:

- ☐ Carbon Dioxide Emission Intensity Report
- ☐ Consultation Report

To address public comments and concerns for this project the following additional supporting studies were prepared:

- ☐ Air Quality Study and Cumulative Effects Assessment
- ☐ Acoustic Assessment
- ☐ Traffic Impact Study
- ☐ Fuel Handling Procedures

Carbon Dioxide Emission Intensity

The results of the Carbon Dioxide Emission Intensity Report estimate ALCF carbon dioxide emission intensity values at least 74% lower than the conventional fuel values.

Consultation and Engagement

A summary of consultation and engagement that has been undertaken as part of this study is provided in the Consultation Report, which was prepared in accordance with O. Reg 79/15. A summary of the pre-submission meetings held with MECP is also included in the Consultation Report.

After the Consultation Report was prepared and Notice of Completion of the Consultation Report was distributed, it was brought to our attention that correspondence from Curve Lake First Nation, received on February 20, 2020, was missed. SMC quickly responded to the concern addressed by Curve Lake First Nation with a letter on March 16, 2020 acknowledging their interest in the project and suggested a meeting. The letter also indicated that archaeology would not be undertaken as part of this application but a Stage 1 Archaeological Assessment will be completed for construction of the future storage building. Golder Associates Ltd. (Golder), who was retained to prepare the Stage 1 assessment, reached out to Curve Lake First Nation directly to provide further details on the assessment and discussed incorporation of Curve Lake First Nation's traditional knowledge and Curve Lake First Nation's review of the draft report. SMC provided Curve Lake First Nation copies of all supporting studies on March 20, 2020 via secure file transfer.

On March 25, 200, SMC held a meeting, via teleconference due to recent COVID-19 restrictions, with Curve Lake

First Nation. During this meeting, SMC provided a presentation on the ALCF Application under O. Reg 79/15, an overview of the supporting studies that have been prepared and noted that the Project Team intends to submit the application to MECP in March 2020. No project specific concerns were brought up by Curve Lake First Nation. SMC and Curve Lake First Nation discussed setting up a future site visit and meeting in person at a later date to discuss how Curve Lake First Nation can better develop a relationship with SMC.

Air Emissions

BCX Environmental Consultants was retained to prepare and Air Quality Study and Cumulative Effects Assessment as well as prepare an updated Emission Summary and Dispersion Modelling (ESDM) Report in accordance with Section 26 of Ontario Regulation 419/05.

The Emissions Summary and Dispersion Modelling Report is also attached.

Noise Emissions

HGC Engineering was retained to prepare an assessment of Noise Emission from ALCF operations at the site. The acoustical analysis prepared concluded that sound from the proposed ALCF operations will be similar to the existing low carbon fuel operations at the site, and will not contribute significantly to facility-total sound levels offsite, which will remain within the applicable MECP limits.

Traffic Operations

AECOM was retained to prepare a Traffic Impact Study to support the ALCF application. The Traffic Impact Study concluded that although specific movements at the study area intersections would operate at an unacceptable level of service (LOS) and/or over capacity, these noted failing operations are not the result of the additional volume of traffic that would be generated by the Site.

Fuel Handling Procedures

A Fuel Handling Procedures document has been prepared to support the ALCF Application and to provide a summary of operational procedures related to the use of ALCFs at the site.

Operational Timeline

SMC is already using ALCFs at the Site and intends to start increasing the use of ALCFs as soon as possible in 2020, once an ECA Amendment from MECP is received.

All of the above noted documents are available on the project website: (<http://stmaryscement.com/BowmanvilleALCF>).

Pre-Submission Consultation Meetings

SMC held three meetings with MECP on the following dates:

- April 11, 2019
- October 21, 2019
- January 31, 2020

Key to these discussions was Sushant Agarwal, Senior Air Engineer, Air Approvals, for this reason we ask that his application to be assigned to Sushant once it has been received by the Application Processing Unit.

SMC has provided this application to the following recipients:

- ☐ MECP Permissions Branch
- ☐ MECP York Durham District Office, Kim Lendvay
- ☐ Municipality of Clarington, Amy Burke
- ☐ Region of Durham, Gioseph Anello



Completion Status (2.1 Project Name and Description)

2.2 Application Type

Type *

- | | |
|---|---|
| <input type="checkbox"/> New ECA | <input checked="" type="checkbox"/> Amendment to existing ECA |
| <input type="checkbox"/> Revocation of existing ECA | <input type="checkbox"/> Administrative amendment to existing ECA |
| <input type="checkbox"/> Application for renewal of limited operational flexibility | <input type="checkbox"/> Consolidation of existing ECAs |

Is this application for the addition of a new project type to the site or a new municipal waste category/class code to the waste management systems or a new sewage facility type? *

☐ Yes ☒ No

Is this application for Transfer of Review? *

☐ Yes ☒ No

✓ Completion Status (2.2 Application Type)

2.3 Project Type

Project Type (Select all that apply) *	Limited Operational Flexibility?	Pilot Project?
<input checked="" type="checkbox"/> Air - Stationary	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Air - Mobile	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Noise	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Vibration	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Waste Disposal Site - Landfill site	N/A	<input type="checkbox"/>
<input type="checkbox"/> Waste Disposal Site - Transfer site	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Waste Disposal Site - Processing site	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Waste Disposal Site - Composting site	N/A	<input type="checkbox"/>
<input type="checkbox"/> Waste Disposal Site - Thermal Treatment site	N/A	<input type="checkbox"/>
<input type="checkbox"/> Sewage - Industrial	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Sewage - Municipal	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Sewage - Private	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Waste Management System – General Waste Management System	N/A	<input type="checkbox"/>
<input type="checkbox"/> Waste Management System - Hauled Sewage (Septage)	N/A	<input type="checkbox"/>
<input type="checkbox"/> Waste Management System – Soil Conditioner for transport to a site for Application on Land	N/A	<input type="checkbox"/>
<input type="checkbox"/> Waste Management System - Mobile Waste Processing	N/A	<input type="checkbox"/>
<input type="checkbox"/> Cleanup of contaminated sites - Mobile	N/A	<input type="checkbox"/>
<input type="checkbox"/> Cleanup of contaminated sites - Site specific	N/A	<input type="checkbox"/>

✓ Completion Status (2.3 Project Type)

2.4 Approval Information

Application initiated by *

- ☒ Applicant ☐ S. 20.18 Order (attach copy)
- ☐ Condition of existing approval ☐ Provincial Officer Order (attach copy)
- ☐ Inspection Report (attach copy) ☐ Other (specify) _____

Current Environmental Compliance Approvals that may be changed or amended by this application: ☐ N/A

Environmental Compliance Approval Number *	Date of Issuance (yyyy/mm/dd) *
0469-9YUNSK	2015/11/25

Separate list attached?

☐ Yes ☒ No

Proposed Environmental Compliance Approvals related to this project: ☒ N/A

Project Type	Ministry Reference Number (if applicable)	Have Submitted	Have not Submitted
		<input type="checkbox"/>	<input type="checkbox"/>

Separate list attached?

☐ Yes ☐ No

✓ Completion Status (2.4 Approval Information)

2.5 Other Approval/Permits for Facility ☒ N/A

List all other instruments (approvals or permits) issued by the Ministry of the Environment and Climate Change or applied for under the *Environmental Protection Act*, *Environmental Assessment Act*, *Ontario Water Resources Act* and *Safe Drinking Water Act*, 2002 and any Environmental Activity and Sector Registrations that are relevant to this application.

Instrument Type	Instrument Number/ Application Reference Number	Approval or Application Date (yyyy/mm/dd)

Separate list attached?

☐ Yes ☐ No

List all other instruments (approvals or permits) issued by an agency, municipality or another ministry that are relevant to this application.

Issuing Agency	Approval or Permit Name	Approval or Permit Number	Issued Date (yyyy/mm/dd)

Separate list attached?

☐ Yes ☐ No

✓ Completion Status (2.5 Other Approval/Permits for Facility)

2.6 Technical Contacts

Technical Contact 1

Area of Responsibility (Select all that apply) *

☒ Air ☐ Noise/Vibration ☐ Sewage ☐ Waste

Name of Technical Contact

Last Name *

Capstick

First Name *

Sean

Company *

Golder Associates Ltd.

Address Information

☐ Select if same as Applicant Mailing Address

Civic Address

Unit Number

2300

Street Number *

20

Street Name *

Queen Street South

Delivery Designator

Delivery Identifier

Postal Station

Municipality/Unorganized Township *

Toronto

County/District

Province/State *

Ontario

Country *

Canada

Postal/Zip Code *

M5H 3R3

Telephone Number *

416-366-6999

ext.

Fax Number

Mobile Number

416-272-4322

Email Address *

sean_capstick@golder.com



Completion Status (2.6 Technical Contacts)

3. Regulatory Requirements

3.1 Environmental Bill of Rights (EBR) Requirements

Is this a proposal for a prescribed instrument under the EBR? *

☒ Yes ☐ No

If yes, is this proposal exempted from the EBR requirements? *

☐ Yes ☒ No

If yes, please check one of the following (Please provide supporting information.)

☐ This proposal has been considered in a substantially equivalent process of public participation. (EBR, 1993, s.30.)

Was the public participation process carried out in fulfillment of the requirements related to an approval under the *Planning Act*?

☐ Yes ☐ No

If yes, was the *Planning Act* approval related to a plan of subdivision?

☐ Yes ☐ No

☐ This proposal is for an emergency situation. (EBR, 1993, s. 29.)

☐ This proposal is for an amendment to or revocation of an existing Environmental Compliance Approval that is not environmentally significant. (EBR, 1993, s. 22 (3).)

☐ This proposal has been subject to or exempted from EAA Requirements or considered in a decision of a tribunal. (EBR, 1993, s. 32.)



Completion Status (3.1 Environmental Bill of Rights (EBR) Requirements)

3.2 Environmental Assessment Act (EAA) Requirements

Is the proposed undertaking subject to the requirements of the EAA? *

☐ Yes ☒ No

If yes, please select one of the following:

☐ The proposed undertaking has fulfilled the requirements of the EAA through the completion of a Class EA process

Name of Class EA _____

Schedule/Group/Category (if applicable) _____

If applicable, please submit a copy of the proof of completion (for example, Notice of Completion).

Was the undertaking subject of a Part II Order request(s)?

☐ Yes ☐ No

If yes, please submit a copy of the Director's or Minister's decision letter.

☐ The proposed undertaking has fulfilled all of the requirements for the EAA through:

Select all that apply:

☐ completion of an Environmental Screening Process pursuant to O. Reg. 101/07 of the EAA

☐ completion of an Environmental Screening Process pursuant to O. Reg. 116/01 of the EAA

Was the undertaking subject of an elevation request(s)?

☐ Yes ☐ No

If yes, please submit a copy of the Director's decision letter. If an appeal was made to the Director's decision, please also submit a copy of the Minister's decision letter.

☐ completion of an Environmental Screening Process pursuant to O. Reg. 231/08 of the EAA

Was the undertaking subject of an objection(s)?

☐ Yes ☐ No

If yes, please submit a copy of the Minister's decision letter.

☐ The proposed undertaking has fulfilled the requirements of the EAA through the completion of an individual Environmental Assessment.

Please submit a copy of the signed Notice of Approval.

Was the undertaking exempted from the requirements of the EAA? *

☒ Yes ☐ No

The proposed undertaking has fulfilled the requirements of the EAA through an exemption provided under:

Select one of the following *

☒ Section * 4 of Ontario Regulation No. * 79/15 or

☐ Declaration/Exemption Order Number _____

If Regulation, Declaration Order or Exemption Order does not refer directly to this undertaking, please provide supporting documentation to explain why it applies to this facility

✓ Completion Status (3.2 *Environmental Assessment Act* (EAA) Requirements)

3.3 Consultation/Notification

Indigenous Consultation:

Is the proposed project/activity on Crown land or does/would it alter access to Crown land? * ☐ Yes ☒ No

Is the proposed project/activity in an open or forested area where hunting, trapping or plant gathering could occur? * ☐ Yes ☒ No

Does the proposed project/activity involve the clearing of forested land? * ☐ Yes ☒ No

Could the proposed project/activity impact a water body (e.g., direct discharge) or alter access to a water body? * ☐ Yes ☒ No

Could the proposed project/activity impact cultural heritage or archaeological resources, or access to them? * ☐ Yes ☒ No

Is the proposed project/activity adjacent or close to a First Nation Reserve? * ☐ Yes ☒ No

Is the applicant aware of any concerns from Indigenous communities about this proposed project/activity? * ☐ Yes ☒ No

Were there conditions placed, or direction provided, in another (or previous) permit or approval for consultation in relation to this project/activity? * ☐ Yes ☒ No

Based on the online Guide to Applying for an Environmental Compliance Approval, or direction provided by the ministry or another agency, are Indigenous consultation activities likely required as part of this application process? * ☒ Yes ☐ No

If Yes to the question above, please describe the consultation/notification activities undertaken for this application or as part of another process (e.g., EAA) in relation to the proposed project/activity, including a summary of the notification/consultation, First Nation and Métis communities contacted, key issues raised and how they were addressed, any changes to the project as a result of these activities, and any planned consultation/notification activities in the future. *

At the outset of the study, St Marys Cement contacted MECP requesting the Director's assistance in confirming a preliminary list of communities that will be engaged based on proximity to the Project. The MECP responded confirming a list of communities and therefore letters were sent to the following Indigenous communities with details on the work being undertaken and inviting them to meet with the Project Team and again in advance of Public Meeting #2:

- ☐ Williams Treaty First Nations
- ☐ Alderville First Nation
- ☐ Hiawatha First Nation
- ☐ Curve Lake First Nation
- ☐ Mississaugas of Scugog Island First Nation
- ☐ Beausoleil First Nation
- ☐ Chippewas of Georgina Island First Nation
- ☐ Rama First Nation
- ☐ Huron Wendat First Nation
- ☐ Métis Nation of Ontario

At the time of preparing the Consultation Report, Huron Wendat First Nation was the only community to respond to any of the letters sent. Huron Wendat First Nation inquired if any archaeology is anticipated to be part of this initiative. A response was provided indicating that archaeology would not be undertaken as part of this application but a Stage 1 Archaeological Assessment will be completed for construction of the future storage building and that SMC will be in touch with Huron Wendat First Nation to provide further details and discuss the opportunity for the community's participation at that time. On March 18, 2020, Golder Associates Ltd. (Golder), who was retained to prepare the Stage 1 assessment, reached out to Huron Wendat First Nation directly to provide further details on the assessment and to discuss incorporation of Huron Wendat First Nation's incorporation of traditional knowledge in the assessment and report. Golder agreed to provide the draft report to Huron Wendat First Nation once available.

After the Consultation Report was prepared and Notice of Completion of the Consultation Report was distributed, it was brought to our attention that correspondence from Curve Lake First Nation, received on February 20, 2020, was missed. SMC quickly responded to the concern addressed by Curve Lake First Nation with a letter on March 16, 2020 acknowledging their interest in the project and suggested a meeting. The letter also indicated that archaeology would not be undertaken as part of this application but a Stage 1 Archaeological Assessment will be completed for construction of the future storage building. Golder reached out to Curve Lake First Nation directly to provide further details on the assessment and discussed incorporation of Curve Lake First Nation's traditional knowledge and Curve Lake First Nation's review of the draft report. SMC provided Curve Lake First Nation copies of all supporting studies on March 20, 2020 via secure file transfer.

On March 25, 200, SMC held a meeting, via teleconference due to recent COVID-19 restrictions, with Curve Lake First Nation. During this meeting, SMC provided a presentation on the ALCF Application under O. Reg 79/15, an overview of the supporting studies that have been prepared and noted that the Project Team intends to submit the application to MECP in March 2020. No project specific concerns were brought up by Curve Lake First Nation. SMC and Curve Lake First Nation discussed setting up a future site visit and meeting in person at a later date to discuss how Curve Lake First Nation can better develop a relationship with SMC.

Please attach supporting documents (e.g., record of consultation, delegation letter and/or direction provided by the Crown, materials provided to communities, meeting notes and agendas, correspondence with communities as appropriate).

If the applicant has determined that consultation with First Nation and Métis communities is not likely required for the proposed project/activity, please provide a rationale why:

Other Consultation/Notification:

Has the applicant had a ministry pre-application consultation in relation to the proposed project? *

☒ Yes ☐ No

If this application is for a waste disposal site, have the neighbour notification requirements been completed?

☐ Yes ☐ No

If yes, please attach a Public Consultation/Notification Report that includes the notice and list of recipients.

If no, please select the reason for not undertaking neighbour notification:

- ☐ Application is for an administrative amendment
- ☐ The proposal was subject to public consultation through an Environmental Assessment process
- ☐ other , please explain _____

Are there any other consultation/notification activities that have been undertaken to fulfill requirements by other legislation or through voluntary efforts? *

☒ Yes ☐ No

If yes, please: *

1. describe the consultation/notification activities below; and
2. attach documents describing each of these consultation\nnotification activities, any changes to the project as a result of these activities and any planned consultation/notification activities in the future.

The Project Team has completed an array of consultation and engagement activities for the Project, with the objective of gathering input and feedback from Indigenous communities and stakeholders, and to allow for views and concerns to be addressed and considered during the Project and the preparation of the ALCF Application. Specifically, SMC has consulted and engaged with the following stakeholder groups:

- Indigenous communities, including:
 - Williams Treaty First Nations
 - Alderville First Nation
 - Hiawatha First Nation
 - Curve Lake First Nation
 - Mississaugas of Scugog Island First Nation
 - Beausoleil First Nation
 - Chippewas of Geogrina Island First Nation
 - Rama First Nation
 - Huron Wendat First Nation
 - Métis Nation of Ontario
- Agencies including elected officials, municipal staff, provincial agencies, federal agencies, utilities and transportation service providers
- Public stakeholders

SMC prepared the following three public notices that were distributed in accordance with Ontario Regulation 79/15:

- Notice of Intention to Apply under Ontario Regulation 79/15 and Notice of Public Meeting #1
- Notice of Public Meeting #2
- Notice of Completion of the Consultation Report

In addition to meetings with municipal staff, presentations to Bowmanville Cement Plant's Community Relations Committee and discussions with public stakeholders, SMC held two formal Public Meetings in open house style, where information was presented about the project and members of the Project Team, including technical experts, were available to answer questions about the process. SMC also maintained, and continues to maintain a project website, where all public notices and reports related to the project are posted. The project website will continue to be updated as a place where members of the community or interested persons can access information about ALCFs at the site.

Further information is available in the Consultation Report for this project.



Completion Status (3.3 Consultation/Notification)

4. Site Information

4.1 Site Address or Storage Location

Will the vehicles or equipment be stored at more than one location?

☐ Yes ☐ No

(If yes, please enter all vehicle or equipment storage locations below and attach separate list, as necessary.)

☐ Select if same as Applicant Physical Address

Address Type? *

☒ Civic Address ☐ Survey Address

Primary Civic Address

Unit Number	Street Number *	Street Name *
	410	Bowmanville Avenue

Additional Civic Addresses

Unit Number	Street Number	Street Name
-------------	---------------	-------------

Separate list attached?

☐ Yes ☐ No

Primary Survey Address

Enter Lot and Concession or Part and Reference Plan

Lot	Concession	Part	Reference Plan
-----	------------	------	----------------

Additional Survey Address

Enter Lot and Concession or Part and Reference Plan

Lot	Concession	Part	Reference Plan
-----	------------	------	----------------

Separate list attached?

☐ Yes ☐ No

Municipality/Unorganized Township *	County/District
Clarington	

Province/State *	Country *	Postal/Zip Code *
Ontario	Canada	L1C 7B5

Non-address Information (includes any additional information to clarify the physical location)

Geo Reference (required)

☒ Select if same as Applicant Physical Geo Reference

Description of location	Map Datum *	Zone *	Accuracy Estimate *	Geo-Referencing Method *	UTM Easting *	UTM Northing *
Southwest corner of property	NAD83	17	+/- 30m	Google Earth	684,675.00	4,860,341.00
Physical location of front door or main entrance	NAD83	17	+/- 30m	Google Earth	684,743.00	4,861,286.00

✓ Completion Status (4.1 Site Address or Storage Location)

4.2 Site or Storage Location Information

Site Name *

St Marys Cement Bowmanville Plant

Days and Hours of Operation *

Monday to Sunday, 12:00 a.m. to 11:59 p.m.

Ministry of the Environment and Climate Change District Office *

York-Durham District Office

Is the site (property) that is the subject of this application owned by the applicant? *

☒ Yes ☐ No

If no, please include the owner's name, address and a signed document indicating that the applicant has the authority to install and operate the proposed activity, or store vehicles or equipment on the land.

Is the applicant the operating authority of the site that is the subject of this application? *

☒ Yes ☐ No

If no, please include the operating authority name, address and phone number.

Is the site located in an area of development control as defined by the *Niagara Escarpment Planning and Development Act* (NEPDA)? *

☐ Yes ☒ No

If yes, please attach a copy of the NEPDA permit for proposed activity.

Is the site within an area covered by the Oak Ridges Moraine Conservation Plan? *

☐ Yes ☒ No

If yes, please attach proof of municipal planning approval for the proposed activity/work (for example, zoning by-law, letter from municipality, etc.).

✓ Completion Status (4.2 Site or Storage Location Information)

4.3 Site Zoning and Classification ☐ N/A

Current Land Use *

Industrial

Official Plan Designation *

Industrial

Current Zoning (Please attach zoning map, if available.) *

Provided in Appendix B of attached ESDM

Adjacent Land Use (select all that apply) *

☒ Industrial

☒ Agricultural

☐ Commercial

☐ Recreational

☐ Residential

☒ Other (specify) * Environmental Protection

Adjacent Land Zoning *

Industrial, Environmental Protection, Agricultural

Does the current zoning permit the proposed activity? *

☒ Yes ☐ No

Does the applicant have correspondence from the municipality to confirm that the current zoning of the property permits the proposed use? *

☐ Yes ☒ No If yes, please attach correspondence from the municipality.

Does the official plan designation support the proposed activity? *

☒ Yes ☐ No ☐ N/A

✓ Completion Status (4.3 Site Zoning and Classification)

4.4 Point of Entry into Ontario ☐ N/A

(for waste management system vehicles that are stored at an address outside of Ontario)

City in closest proximity to the point of entry

Description of Point of Entry



Completion Status (4.4 Point of Entry into Ontario)

4.5 Source Protection/Drinking Water Threats (sewage or waste disposal site applications only) ☐ N/A

Check the source protection area(s) where the activity is/will be located

- | | | |
|---|--|--|
| <input type="checkbox"/> Ausable Bayfield | <input type="checkbox"/> Cataraqui Region | <input type="checkbox"/> Catfish Creek |
| <input type="checkbox"/> Central Lake Ontario | <input type="checkbox"/> Credit Valley | <input type="checkbox"/> Crowe Valley |
| <input type="checkbox"/> Essex | <input type="checkbox"/> Ganaraska | <input type="checkbox"/> Grand River |
| <input type="checkbox"/> Grey Sauble | <input type="checkbox"/> Halton | <input type="checkbox"/> Hamilton |
| <input type="checkbox"/> Kawartha-Haliburton | <input type="checkbox"/> Kettle Creek | <input type="checkbox"/> Long Point |
| <input type="checkbox"/> Lakehead | <input type="checkbox"/> Lake Simcoe and Couchiching/Black River | <input type="checkbox"/> Lower Trent |
| <input type="checkbox"/> Lower Thames Valley | <input type="checkbox"/> Maitland Valley | <input type="checkbox"/> Mattagami |
| <input type="checkbox"/> Mississippi Valley | <input type="checkbox"/> Niagara | <input type="checkbox"/> North Bay Mattawa |
| <input type="checkbox"/> Northern Bruce Peninsula | <input type="checkbox"/> Nottawasaga Valley | <input type="checkbox"/> Rideau Valley |
| <input type="checkbox"/> Raisin Region | <input type="checkbox"/> South Nation | <input type="checkbox"/> Saugeen Valley |
| <input type="checkbox"/> Sault Ste. Marie | <input type="checkbox"/> Severn Sound | <input type="checkbox"/> Sudbury |
| <input type="checkbox"/> St. Clair Region | <input type="checkbox"/> Toronto and Region | <input type="checkbox"/> Otonabee-Peterborough |
| <input type="checkbox"/> Outside a source protection area | <input type="checkbox"/> Quinte | <input type="checkbox"/> Upper Thames River |

Is the proposed activity located or planned to be located in a vulnerable area identified in a local assessment report source protection plan under the *Clean Water Act, 2006*?☐ Yes ☐ No

If yes, what is/are the vulnerable area(s)/zone(s)?

- ☐ Wellhead Protection Areas ☐ Surface Water Intake Protection Zones ☐ Highly Vulnerable Aquifers
☐ Significant Groundwater Recharge Areas

Is the activity being applied for identified as a significant drinking water threat in the assessment report for the local source protection area?

☐ Yes ☐ No

Completion Status (4.5 Source Protection/Drinking Water Threats)

4.6 Receiver of Effluent Discharge (sewage applications only) ☐ N/A

Intermediate Receiver Name

Watershed Name

Type of Receiver

- ☐ Surface Water ☐ Groundwater ☐ Other (specify) _____

Has the facility received local Conservation Authority clearance? (for stormwater management facility discharging to the natural environment)

☐ Yes ☐ No

If yes, please include a copy of the Conservation Authority clearance.

Final Receivers ☐ N/A

Will the proposed activity discharge sewage to any of the following critical receivers?

- ☐ Lake Simcoe
- ☐ Rideau River
- ☐ Detroit River
- ☐ Great Lakes
- ☐ Rouge River
- ☐ Bay of Quinte
- ☐ Other (specify) _____

Is the receiver a Policy 2 receiver?

☐ Yes ☐ No

Does the applicant have a Policy 2 deviation approval from the directors?

☐ Yes ☐ No

If yes, please attach a copy of the Director’s approval.

 Completion Status (4.6 Receiver of Effluent Discharge)

5. Facility Information

5.1 Air Note** - If the application does not have air emissions please proceed to Section 5.2

[Information](#)

5.1.1 Summary of Equipment that Discharges Contaminants to the Air

Select Type of Equipment	Number of Pieces of Equipment
<input type="checkbox"/> Combustion equipment that uses natural gas, propane, no. 2 oil, landfill gas or sewage treatment gas for fuel for the purpose of providing comfort heating or emergency power, producing hot water or steam, or heating material in a system that does not discharge to the atmosphere (Total Heat input of all units: $\leq 50,000,000$ kJ/hr)	N/A
<input type="checkbox"/> Storage tanks	N/A
<input type="checkbox"/> Welding operations that use a maximum of 10 kilograms of welding rod per hour	N/A
<input type="checkbox"/> Combustion equipment that uses waste-derived fuel for the purpose of providing comfort heating, burning ≤ 15 litres per hour	
<input type="checkbox"/> Heat cleaning ovens used for parts cleaning and associated parts washers or degreasing equipment, other than solvent degreasing equipment	
<input type="checkbox"/> Cooling towers	
<input type="checkbox"/> Equipment used to control emissions of contaminants, other than a fume incinerator	
<input type="checkbox"/> Laboratory fume hoods	
<input type="checkbox"/> Paint spray booths and associated equipment that have a design capacity of up to 8 litres per hour of paint	
<input type="checkbox"/> Grain dryers	
<input type="checkbox"/> Any other equipment not listed above with a flow rate of less than or equal to $1.5 \text{ m}^3/\text{second}$	
<input type="checkbox"/> Any other equipment not listed above with a flow rate of greater than $1.5 \text{ m}^3/\text{second}$	
<input type="checkbox"/> Equipment that is subject to an Environmental Compliance Approval, and from which there is no proposed increase in the discharge of any contaminant that was previously reviewed by the Director.	N/A



Completion Status (5.1.1 Summary of Equipment that Discharges Contaminants to the Air)

5.1.2 Emission Summary and Dispersion Modelling (ESDM) Report

Is the review of an existing, approved ESDM required as part of this proposed application? *

☒ Yes ☐ No

If yes, identify the number of emission sources described in the existing ESDM Report that emit contaminants in common with the sources forming the subject of the application (if none, enter zero). *

40

Have all of these emission sources been described in an ESDM Report that was previously reviewed as part of an application for an existing Environmental Compliance Approval? *

☒ Yes ☐ No



Completion Status (5.1.2 ESDM Report)

5.1.3 O. Reg. 419/05 Requirements

Which of the following sections of O. Reg. 419/05 applies to the facility? *

☐ s.19 (Schedule 2)

☒ s. 20 (Schedule 3)

☐ Does not apply. Please indicate reason _____

Has an instrument under O. Reg. 419/05 been issued? *

☐ Yes ☒ No

If yes, what type(s) of instruments (including any notices, orders or approvals) has (have) been issued? (select all that apply)

☐ ss. 4(2) Adjacent Properties

☐ ss. 7(1) Specified Dispersion Models

☐ ss. 8(2) Negligible Sources

☐ ss. 10(2) Operating Conditions

☐ ss. 11(2) Refined Emission Rates

☐ ss. 13.1 Value of Dispersion Modeling Parameters

☐ ss. 13(1) Meteorological Data

☐ ss. 14(6) Area of Modelling Coverage

☐ ss. 20(4) Speed-up Request

☐ ss. 20(5) Speed-up Order

☐ s. 35 Site-specific Standard

☐ ss. 35(14) Site-specific Standard Order

☐ ss. 39(3) Technical Standard Registration (Industry Standard)

☐ ss. 39(4) Technical Standard Registration (Equipment Standard)

☐ Other (list all that have been issued) _____

Is an instrument under O. Reg. 419/05 being requested as part of this application? *

☒ Yes ☐ No

If yes, what type(s) of notice, order or approval is (are) being requested? *

☒ ss. 7(1) Specified Dispersion Models

☐ ss. 8(2) Negligible Sources

☐ ss. 10(2) Operating Conditions

☐ ss. 11(2) Refined Emission Rates

☐ ss. 13(1) Meteorological Data

☐ ss. 14(6) Area of Modelling Coverage

☐ ss. 20(4) Speed-up Request

☐ s. 32 Request for a Site-specific Standard Order

☐ ss. 39(1)(a) Application for Technical Standard Registration (Industry Standard)

☐ ss. 39(1)(b) Application for Technical Standard Registration (Equipment Standard)

☐ Other (list all that have been issued) _____

Please attach the form(s) requesting the notice(s) and/or order(s) and any additional supporting information.

Has an s. 30 Upper Risk Threshold (Schedule 6) been exceeded? *

☐ Yes ☒ No

If yes, please include additional supporting information.

Is the facility located in a multi-tenant building? *

☐ Yes ☒ No

If yes, additional information may be requested.

Are all of the contaminants to which the application relates represented in the Ministry of the Environment and Climate Change publication titled "Summary of Standards and Guidelines to support Ontario Regulation 419: Air Pollution- Local Air Quality" or have they been screened out based on the publication titled " Jurisdictional Screening Level (JSL) List, A Screening Tool for Ontario Regulation 419: Air Pollution - Local Air Quality"? *

☒ Yes ☐ No

(If no, please attach Supporting Information for a Maximum Ground Level Concentration Acceptability Request for Compounds with no Ministry POI Limit - Supplement to Application for Approval, EPA S. 9).

✓ Completion Status (5.1.3 O. Reg. 419/05 Requirements)

✓ Completion Status (5.1 Air)

5.2 Noise Note** - If the application does not have noise emissions please proceed to Section 5.3

5.2.1 Noise Assessment [Information](#)

Has an Acoustic Assessment Report (AAR) been completed in relation to the proposed project/activity?

☐ Yes ☐ No

If yes, please attach the Acoustic Assessment Report

Does the AAR show that applicable limits are met?

☐ Yes ☐ No

If no, please attach the Acoustic Assessment Report including the Noise Abatement Action Plan

If no, is the application eligible for Primary or Secondary Noise Screening?

☐ Yes ☐ No

Note that if the proposed activity is not eligible for either of the screenings, an AAR must be submitted.

If yes, is the proposed activity eligible for the Primary Noise Screening?

☐ Yes ☐ No

If yes, is the actual separation distance between the facility and the nearest noise sensitive point of reception (POR) greater than the minimum required separation distance calculated from the Primary Noise Screening?

☐ Yes ☐ No

If yes, please attach the Primary Noise Screening form and supporting documentation.

Note that if the Primary Noise Screening is not successful then the applicant may attempt to proceed with the Secondary Noise Screening.

If no, does the Secondary Noise Screening Form show that the applicable sound level limits are met?

☐ Yes ☐ No

If yes, please attach the Secondary Noise Screening Form and supporting documentation.

Note that if meeting the applicable sound level limits cannot be demonstrated, then an AAR must be submitted.

✓ Completion Status (5.2.1 Noise Assessment)

5.2.2 Equipment Subject to Noise Review

Description	Number of Pieces of Equipment
<input type="checkbox"/> Arc Furnaces	
<input type="checkbox"/> Asphalt Plants	
<input type="checkbox"/> Blow-down Devices	
<input type="checkbox"/> Co-Generation Facilities	
<input type="checkbox"/> Crushing Operations	
<input type="checkbox"/> Flares	
<input type="checkbox"/> Gas Turbines	
<input type="checkbox"/> Pressure Blowers or Large Induced Draft Fans (flow rate > 47 m ³ /second or static pressure > 1.25 kilopascals)	
<input type="checkbox"/> Any other equipment not listed above that has not previously been reviewed by the Director in connection with an application for an Environmental Compliance Approval with respect to the facility	
<input type="checkbox"/> Any other equipment not listed above that is identical to equipment for which a noise assessment was previously reviewed by the Director in connection with an application for an Environmental Compliance Approval with respect to the facility	

✓ Completion Status (5.2.2 Equipment Subject to Noise Review)

✓ Completion Status (5.2 Noise)

5.3 Sewage Works [Information](#)

Note** - If the application does not contain Sewage Works please proceed to Section 5.4

5.3.1 Facility Type - Sewage Works

Select the type of facility that is the subject of the application (select all that apply).

☐ Sewage Treatment Plant (STP) ☐ Stormwater Management Facility

For the following, the applicant must complete and attach the relevant sections of the pipe data form:

☐ Storm Sewers ☐ Ditches ☐ Combined Sewers
☐ Force mains ☐ Sanitary Sewers ☐ Pumping Station

Sewage Treatment Plant Details

☐ Primary ☐ Secondary ☐ Tertiary
☐ Receives septage ☐ Constructed/Engineered Wetlands ☐ On-site system
☐ Lagoons (check all that apply below)
☐ Septage ☐ Municipal ☐ Other (specify) _____

Facility Type

☐ Municipal or private facility
Category: ☐ New ☐ 1 ☐ 2 ☐ 3 ☐ 4

Please indicate the maximum design capacity of the municipal or private sewage treatment plant:

☐ ≤ 4,500 m³/day ☐ > 4,500 m³/day

☐ Facility for the treatment of leachate
Category: ☐ New ☐ 1 ☐ 2 ☐ 3 ☐ 4

☐ Facility for the treatment of industrial process wastewater

Category: ☐ New ☐ 1 ☐ 2 ☐ 3 ☐ 4

☐ Facility for the disposal of non-contact cooling water

☐ Subsurface disposal

Please indicate the design capacity of the subsurface disposal:

☐ $\leq 15\text{m}^3/\text{day}$ ☐ $> 15\text{m}^3/\text{day}$ and $< 50\text{m}^3/\text{day}$ ☐ $> 50\text{m}^3/\text{day}$

Stormwater Management Facility Details

Category: ☐ New ☐ 1 ☐ 2 ☐ 3 ☐ 4

Pond Type

☐ Wet Pond ☐ Dry Pond ☐ Other (specify) _____

What is the drainage area (in hectares) associated with the proposed activity? _____

Does the applicant own all, or part of the drainage area?

☐ Applicant owns all of the drainage area

☐ Applicant owns part of the drainage area

☐ Applicant does not own the drainage area

For the drainage area land that the applicant does not own, does the applicant have an agreement with the owner(s) of the drainage area?

☐ Yes ☐ No

What is the predominant type of land use in the drainage area?

☐ Rural or Agricultural

☐ Commercial or Industrial

☐ Residential

Is a Hydrogeological Assessment required?

☐ Yes ☐ No

(If yes, please attach the hydrogeological assessment.)

Is a review of effluent criteria assessment for stormwater management, cooling water or soil remediation facilities required?

☐ Yes ☐ No

(If yes, please attach the final effluent criteria accepted by the Regional Office of the Ministry.)

Is a review of effluent criteria assessment for municipal or private sewage, industrial process wastewater or leachate treatment plant required?

☐ Yes ☐ No

(If yes, please attach the final effluent criteria accepted by the Regional Office of the Ministry.)

Note: The Hydrogeological Assessment, effluent criteria, and surface water assessment must be discussed and prepared with the Ministry's regional technical support section during a pre-application meeting(s) and consultation(s) with the Ministry. A proof of concurrence from technical support must be included as part of the ECA application package.

✓ Completion Status (5.3.1 Facility Type - Sewage Works)

5.3.2 Servicing

The works will provide sewage servicing for (select all that apply):

☐ Residential

Residential Type

☐ Subdivision

☐ Condominium

☐ Institutional

☐ Other (specify) _____

Is there a Municipal Responsibility Agreement in place?

☐ Yes ☐ No ☐ N/A

(If yes, please attach a copy of the Municipal Responsibility Agreement.)

☐ Commercial

Commercial Type

☐ Hotel, Motel, Inn

☐ Campground, Park

☐ Rental Cabins

☐ Resort

☐ Shopping Malls

☐ Restaurant

☐ Highway Service Station/Gas Bars ☐ Other (specify) _____

☐ Industrial

Describe _____



Completion Status (5.3.2 Servicing)

5.3.3 Sewage Servicing for Waste Disposal/Landfill Sites

Does/Will the sewage treatment facility receive waste disposal/landfill site leachate?

☐ Yes ☐ No

If yes, please identify the site(s) below.

Name of Site Contributing Leachate	Environmental Compliance Approval Number	Volume of Leachate (m³)
1.		



Completion Status (5.3.3 Sewage Servicing for Waste Disposal/Landfill Sites)



Completion Status (5.3 Sewage Works)

5.4 Waste Disposal Site

Note** - If the application is not for a waste disposal or processing site please proceed to Section 5.5

5.4.1 Facility Description - Waste Disposal Site (information on the nature of the proposed business or activity at this site)

Service Area

Total Area of Site (hectares)

Monitoring (select all that apply)

☐ Groundwater

☐ Surface Water

☐ Landfill Gas

☐ Leachate

☐ None

☐ Other (specify) _____

Type(s) of waste to be accepted at this site (select all that apply)

Subject:

Non-subject:

☐ Hazardous Waste

☐ Municipal (non-hazardous)

☐ Liquid Industrial Waste

☐ Other Liquid Waste

Municipal waste categories to be accepted at this site (select all that apply)

☐ All Categories

☐ Contaminated Soil

☐ Domestic Sources

☐ IC & I Sources

☐ Source Separated Organics

☐ Tires

☐ Leaf and Yard Waste

☐ Wood Waste

☐ Blue Box Materials

☐ Other (specify) _____

Other liquid waste categories to be accepted at this site (select all that apply)

- ☐ Processed Organics
- ☐ Hauled Sewage
- ☐ Waste from Food Processing/Preparation Operations
- ☐ Other (specify) _____

Hazardous Waste / Liquid Industrial Waste

Class Code	Class Code	Class Code	Class Code	Class Code

✓ Completion Status (5.4.1 Facility Description - Waste Disposal Site)

5.4.2 Waste Transfer/Processing/Composting - Complete this information if waste transfer and/or processing and/or composting take(s) place at this facility

Waste Type to be Transferred or Processed

- ☐ Hazardous waste or liquid industrial waste
- Design Capacity
- ☐ ≤ 100 tonnes per day ☐ > 100 tonnes per day
- ☐ Waste other than hazardous waste and liquid industrial waste
- Design Capacity
- ☐ ≤ 100 tonnes per day ☐ > 100 tonnes per day

Change to Operations

- ☐ No Change Proposed
- ☐ Change does not require fundamental design review
- ☐ Change requires fundamental design review

Liquid Waste

Maximum Storage Capacity (m³)

Hazardous	Liquid Industrial	Other Liquid Waste

Maximum Residual for Final Disposal (m³)

Hazardous		Liquid Industrial Waste		Other Liquid Waste	
Daily	Annually	Daily	Annually	Daily	Annually

Solid Waste

Maximum Storage Capacity (tonnes)

Hazardous	Non-Hazardous

Maximum Residual for Final Disposal (tonnes)

Hazardous		Non-hazardous	
Daily	Annually	Daily	Annually

Maximum Amount of Waste to be Received Daily

Liquid (m³)			Solid (tonnes)	
Hazardous	Liquid Industrial	Other Liquid Waste	Hazardous	Non-hazardous

✓ Completion Status (5.4.2 Waste Transfer/Processing/Composting)

5.4.3 Thermal Treatment Facility - Complete this information if thermal treatment takes place at this facility

Waste Type for Thermal Treatment

☐ Hazardous waste or liquid industrial waste

Design Capacity

☐ ≤ 100 tonnes per day ☐ > 100 tonnes per day

☐ Waste other than hazardous waste and liquid industrial waste

Design Capacity

☐ ≤ 100 tonnes per day ☐ > 100 tonnes per day

Change to Operations

☐ No Change Proposed

☐ Change does not require fundamental design review

☐ Change requires fundamental design review

Liquid Waste

Maximum Storage Capacity (m³)

Hazardous	Liquid Industrial	Other Liquid Waste
-----------	-------------------	--------------------

Maximum Residual for Final Disposal (m³)

Hazardous		Liquid Industrial Waste		Other Liquid Waste	
Daily	Annually	Daily	Annually	Daily	Annually

Solid Waste

Maximum Storage Capacity (tonnes)

Hazardous	Non-Hazardous
-----------	---------------

Maximum Residual for Final Disposal (tonnes)

Hazardous		Non-hazardous	
Daily	Annually	Daily	Annually

Maximum Amount of Waste to be Received Daily

Liquid (m³)		Solid (tonnes)		
Hazardous	Liquid Industrial	Other Liquid Waste	Hazardous	Non-hazardous

Maximum Daily Feed Rate (tonnes/m³)

Hazardous Waste (tonnes)	Non-hazardous Waste (tonnes)	Liquid Industrial Waste (m³)	Other Liquid Waste (m³)
--------------------------	------------------------------	------------------------------	-------------------------

✔ Completion Status (5.4.3 Thermal Treatment Facility)

5.4.4 Landfill Site - Complete this information if this facility operates as a landfill site

Waste Types to be accepted at the Landfill

☐ Hazardous waste or liquid industrial waste

Design Capacity

☐ ≤ 40,000 m³ ☐ > 40,000 m³ ≤ 3 million m³ ☐ > 3 million m³

☐ Waste is only uncontaminated tree stumps, leaves, branches, concrete and rocks

Design Capacity☐ ≤ 40,000 m³☐ > 40,000 m³ ≤ 3 million m³☐ > 3 million m³

- ☐ Waste other than hazardous waste and liquid industrial waste, other than uncontaminated tree stumps, leaves, branches, concrete and rocks.

Design Capacity☐ ≤ 40,000 m³☐ > 40,000 m³ ≤ 3 million m³☐ > 3 million m³**Change to Operations**

- ☐ No Change Proposed
- ☐ Change does not require fundamental design review or hydrogeological assessment
- ☐ Change requires fundamental design review or hydrogeological assessment

Note: The Hydrogeological Assessment, effluent criteria, and surface water assessment must be discussed and prepared with the Ministry's regional technical support section during a pre-application meeting(s) and consultation(s) with the Ministry. A proof of concurrence from technical support must be included as part of the ECA application package.

Maximum Landfilling Capacity (m³)

Hazardous Waste	Non-hazardous Waste	Liquid Industrial Waste	Other Liquid Waste
-----------------	---------------------	-------------------------	--------------------

Maximum Amount of Waste to be Received

Hazardous Waste (tonnes)		Non-hazardous Waste (tonnes)		Liquid Industrial Waste (m ³)		Other Liquid Waste (m ³)	
Daily	Annually	Daily	Annually	Daily	Annually	Daily	Annually

Landfill Information

Area to be Landfilled (hectares)	Total Site Area including Buffer Area (hectares)
Estimated Date of Closure (yyyy/mm/dd)	Population Served

Control Types (select all that apply)

- ☐ Leachate Collected and Treated Off-site
- ☐ Leachate Collected and Treated On-site
- ☐ Landfill Gas Collected and Flared
- ☐ Landfill Gas Collected for Energy Generation
- ☐ Other (specify) _____

✓ Completion Status (5.4.4 Landfill Site)

✓ Completion Status (5.4 Waste Disposal Site)

5.5 Waste Management Systems (Except Mobile Waste Processing)

Note**- If the application is not for a waste management system please proceed to Section 5.7.

5.5.1 Fleet List (all vehicles and equipment to be used in the operation of the Waste Management System)

Year	Make	Model	Vehicle Identification Number (VIN)	License Plate Number	Province/State

Separate list attached?

☐ Yes ☐ No

✓ Completion Status (5.5.1 Fleet List)

5.5.2 Vehicle Information

Are all the vehicles to be used owned by the applicant?


☐ Yes ☐ No

If no, please include additional information about ownership arrangements for each vehicle not owned by the applicant.

Has a minimum of \$1,000,000.00 liability insurance been obtained for all vehicles for which it is required?

☐ Yes ☐ No

Describe any additional insurances that are held (for example, environmental impairment liability insurance).

 Completion Status (5.5.2 Vehicle Information)

5.5.3 General Waste Management System

Type(s) of Waste to be Transported by the General Waste Management System (select all that apply)

Subject:

- ☐ Hazardous Waste
- ☐ Liquid Industrial Waste

Non-subject:

- ☐ Municipal (non-hazardous)
- ☐ Other Liquid Waste

Non-subject Categories to be Transported by the General Waste Management System (select all that apply)

- ☐ Blue Box Materials
 - ☐ Commercial
 - ☐ Leaf/Yard Waste
 - ☐ Spill Cleanup Material
 - ☐ Tires
 - ☐ Waste Wash Water
 - ☐ Waste from Food Processing/ Preparation Operations
 - ☐ Processed Organics (not for land application)
- ☐ Domestic Sources
 - ☐ Non-Hazardous Solid Industrial
 - ☐ Wood Waste
 - ☐ Contaminated Soil
 - ☐ Asbestos Waste in Bulk
 - ☐ Grease Trap Waste
 - ☐ Dewatered Catch Basin Clean-out Material
 - ☐ Other (specify) _____

Subject Waste Categories to be Transported by the General Waste Management System

Hazardous Waste / Liquid Industrial Waste

Class Code	Class Code	Class Code	Class Code	Class Code

Separate list attached?

☐ Yes ☐ No

- ☐ All drivers are/will be trained in accordance with O. Reg. 347 and all pertinent environmental legislation.
- ☐ Each vehicle used to transport a specific subject waste class is suitable for that waste transportation in order to protect the health and safety of the public and the natural environment.

Note: For transporters of pathological waste and PCBs (waste classes 243 and 312) Operations Manual and Driver Training Manual must also be attached and Financial Assurance must be provided.

General Waste Management System - Disposal Site Information

What is the Final Destination of Waste to be Transported by the General Waste Management System? (select all that apply)

- ☐ A disposal site in Ontario approved by the Ministry of the Environment and Climate Change
- ☐ Disposal sites outside of Ontario approved by another regulatory agency

List the destination province(s)/state(s)

Province/State	Province/State	Province/State	Province/State

✓ Completion Status (5.5.3 General Waste Management System)

5.5.4 Soil Conditioner Waste Management System (includes non-agricultural source material (NASM) that is waste and processed organic waste (biosolids) destined for land application only)

Has the applicant received recommendation from Biosolids Utilization Committee (BUC) for land application of processed organic waste (biosolids) or NASM?

☐ Yes If yes, please provide a copy of the BUC recommendation.

☐ No If no, please clarify _____

Spreading equipment (land application only)

Equipment Type	Make and Model	Description

Separate list attached?

☐ Yes ☐ No

Method of system operation (land application only)

Estimated quantity to be handled on an annual basis (cubic metres/litres/tonnes)

Please describe the loading procedures:

Please describe the spreading methods:

Please describe the storage facilities (tanks, lagoons, etc.):

Soil Conditioner Waste Management System - Land Application Sites

What is the final destination of waste to be transported by the soil conditioner waste management system? (must include for land application only)

☐ Non-agricultural land

☐ Agricultural land

☐ Both agricultural and non-agricultural land

✓ Completion Status (5.5.4 Soil Conditioner Waste Management System)

5.5.5 Hauled Sewage (Septage) Waste Management System

Type(s) of hauled sewage (septage) to be transported

☐ Portable toilet waste

☐ Septic tank waste

☐ Holding tank waste

☐ Other (specify) _____

Spreading equipment (land application only)

Equipment Type	Make and Model	Description

Separate list attached?

☐ Yes ☐ No

Does this system include in-transit storage?

☐ Yes ☐ No

If yes:

a) What is the duration of storage? Please specify (Maximum period of in-transit storage should not exceed more than two weeks):

b) Is the storage tank a prefabricated tank with the capacity < 100,000 L, designed and constructed in accordance with a Class 5 Sewage System under the Ontario Building Code or CAN/CSA B66-05?

☐ Yes ☐ No If no, please provide a copy of the design of the storage tank signed and dated by a professional engineer.

Does this system include in-transit processing?

☐ Yes ☐ No

If yes:

a) Location of in-transit processing:

☐ In Vehicle ☐ In-storage Tank

b) Describe the method of in-transit processing:

Does this system use barge/boat to transport hauled sewage (septage)?

☐ Yes ☐ No

If yes:

a) Has a minimum of \$1,000,000.00 liability insurance been obtained for the barge/boat for which it is required?

☐ Yes ☐ No

b) Does the barge/boat have an engine of 10 horsepower (hp) or more, for which a commercial vessel license is required from Transport Canada?

☐ Yes ☐ No If yes, please include a copy of the commercial vessel license.

Note: For in-transit storage or processing the applicant must include with the application the consent of the landowner, if the landowner is different than the applicant. A financial assurance estimate must be provided by applicants using in-transit storage or using in-transit processing where processing is conducted in the in-transit storage tanks.

Hauled Sewage (Septage) Waste Management System - Land Application Sites ☐ N/A

List the Environmental Compliance Approval Number(s) of all disposal site(s) approved by the Ministry of the Environment and Climate Change for land application of hauled sewage in association with this waste management system.

Instrument Type	Instrument Number	Approval or Application Date (yyyy/mm/dd)

- ✓ Completion Status (5.5.5 Hauled Sewage (Septage) Waste Management System)
- ✓ Completion Status (5.5 Waste Management Systems (Except Mobile Waste Processing))

5.6 Waste Management System - Mobile Waste Processing

Note**: If the application is not for the use and operation of mobile waste processing equipment, proceed to Section 5.7

5.6.1 Mobile Waste Management System Process and Equipment Description

Type(s) of Waste to be Processed (select all that apply)

Subject:

- ☐ Hazardous Waste
☐ Liquid Industrial Waste

Non-subject:

- ☐ Municipal (non-hazardous)
☐ Other Liquid Waste

Type of Waste to be Processed by the Unit(s)	Number of Units	Financial Assurance (per unit)	Financial Assurance Required
Non-hazardous Solid Waste		\$5,000	
Hazardous Waste		\$20,000	
Liquid Industrial Waste		\$20,000	
Other Liquid Waste		\$20,000	
Multiple Types of Waste from the Categories Above		\$20,000	

Total Financial Assurance

Municipal (non-hazardous) Waste Categories to be Processed (select all that apply)

- ☐ Contaminated Soil at Cleanup Site ☐ Wood Waste ☐ Construction and Demolition Waste
☐ Asbestos Waste ☐ Tires ☐ Domestic Waste
☐ Other (specify) _____

Other Liquid Waste Categories to be Processed (select all that apply)

- ☐ Hauled Sewage ☐ Waste from Food Processing/Preparation Operations ☐ Processed Organic
☐ Other (specify) _____

Hazardous / Liquid Industrial Waste Types to be Processed

Class Code	Class Code	Class Code	Class Code	Class Code

✓ Completion Status (5.6.1 Mobile Waste Management System Process and Equipment Description)

5.6.2 Equipment Information - Please attach a separate list if more space is required.

Equipment List

Unit No.	Unit Type	Process Description	Equipment Type	Make	Model	Serial Number	Equipment Capacity (including unit of measurement)

Separate list attached?

- ☐ Yes ☐ No

✓ Completion Status (5.6.2 Equipment Information)

✓ Completion Status (5.6 Waste Management System - Mobile Waste Processing)

5.7 Cleanup of Contaminated Sites

Note** - If the application is not for a cleanup of a contaminated site please proceed to Section 6.

Type of Cleanup

- ☐ In-situ ☐ Ex-situ ☐ Both

Contaminated media to be treated:

☐ Groundwater

☐ Surface water

☐ Sediment

☐ Soil

Waste Type

Subject:

- ☐ Hazardous Waste
- ☐ Liquid Industrial Waste

Non-subject:

- ☐ Municipal (non-hazardous)
- ☐ Other Liquid Waste

Type of discharge

- ☐ Air
- ☐ Groundwater
- ☐ Storm or sanitary
- ☐ Surface water
- ☐ Noise

☒

 Completion Status (5.7 Cleanup of Contaminated Sites)

6.1 General

This is a list of supporting information to this application and is subject to the FIPPA and EBR.

Attachment	Required, Optional or N/A	Attached?	If no, provide explanation, (include referenced attachment if more space is required for rationale)	Confidential
Proof of legal name	Optional	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
Enhanced EBR description	N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
Provincial Officer Notice	N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
Inspection Report	N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
Detailed project and process description	Required	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Provided in the ESDM attached	<input type="checkbox"/>
Pre-application Consultation Record	N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
Legal Survey(s)	N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
Site Plan(s)	Required	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
Scaled area location plan(s) with geo-referencing points identified	Required	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
Documentation in support of EBR Exception	N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
Proof of Compliance with EAA Requirements	N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
Proof of Consultation/Notification	Required	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
Financial Assurance Estimate	Optional	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Not required	<input type="checkbox"/>
Name, address and consent of land/site owner for the installation and operation of the proposed activity or storage location of equipment or vehicle	N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
Name, address and phone number of the Operating Authority	N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
Copy of NEPDA Permit	N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
Copy/Proof of Municipal Planning Approval (ORMCA, general)	N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
Municipal Zoning Confirmation Letter	N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
Zoning map	Required	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
Conservation Authority Clearance	N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
Director's approval for Policy 2 Deviation	N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
Application Fee	Required	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
A copy of this application has been sent to the Ministry Local District Office	Required	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
Other (please describe) Carbon Dioxide Emission Intensity Report, Consultation Report, Traffic Impact Study, Noise Emissions Memorandum, Fuel Handling Procedures and Testing Manual	Optional	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>



Completion Status (6.1 General)

6.2 Air

Attachment	Required, Optional or N/A	Attached?	If no, provide explanation, (include referenced attachment if more space is required for rationale)	Confidential
Emission Summary and Dispersion Modelling (ESDM) Report prepared in accordance with s. 22 and of O. Reg. 419/05 (including signed checklist)	Required	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
Electronic copy of the Dispersion Modelling input and output files prepared in accordance with s. 26 of O. Reg. 419/05	Required	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
Supporting Information for a Maximum Ground Level Concentration Acceptability Request for Compounds with no Ministry POI Limit - Supplement to Application for Approval, EPA S. 9	N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
Copies of forms requesting O. Reg. 419/05 instruments and supporting documentation	Required	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
Other (please describe)	Optional	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>



Completion Status (6.2 Air)

6.3 Noise and Vibration

Attachment	Required, Optional or N/A	Attached?	If no, provide explanation, (include referenced attachment if more space is required for rationale)	Confidential
Primary Noise Screening	N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
Secondary Noise Screening	N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
Acoustic Assessment Report including signed checklist (AAR)	N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
Vibration Assessment Report	N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
Noise Abatement Action Plan	N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
Other (please describe)	Optional	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>



Completion Status (6.3 Noise and Vibration)

6.4 Sewage Works

Attachment	Required, Optional or N/A	Attached?	If no, provide explanation, (include referenced attachment if more space is required for rationale)	Confidential
Signed Municipal Responsibility Agreement	N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
Detailed description of the proposed activities/works	N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
Notice of Completion for the Environmental Study Report (ESR)	Optional	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>

Attachment	Required, Optional or N/A	Attached?	If no, provide explanation, (include referenced attachment if more space is required for rationale)	Confidential
Design Brief	N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
Preliminary Engineering Report	Optional	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
Final Plans	N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
Engineering Drawings and Specifications	N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
Sewage quantity and quality characteristics	N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
Stormwater Management Report	N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
Stormwater Management Plan	N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
Hydrogeological Assessment with proof of concurrence from the Ministry's Regional technical support section	N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
Environmental Impact Analysis	Optional	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
Final effluent criteria accepted with proof of concurrence from the Ministry's Regional Technical Support Section	N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
Sewage Works Limited Operational Flexibility Requirements - Engineer's Report	N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
Sewage Works Limited Operational Flexibility Requirements - Declarations	N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
Pipe Design Data Form	N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
Other (please describe)	Optional	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>



Completion Status (6.4 Sewage)

6.5 Waste Disposal Sites

Attachment	Required, Optional or N/A	Attached?	If no, provide explanation, (include referenced attachment if more space is required for rationale)	Confidential
Design and Operations Report	N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
Stormwater Management Report	Optional	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
Hydrogeological Assessment with proof of concurrence from the Ministry's Regional technical support section	N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
Assessment of Physical and Water Use Conditions	Optional	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
Waste Limited Operational Flexibility Requirements - Engineer's Report	N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
Waste Limited Operational Flexibility Requirements - Declarations	N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
Copy of notification to adjacent landowners	N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>

Attachment	Required, Optional or N/A	Attached?	If no, provide explanation, (include referenced attachment if more space is required for rationale)	Confidential
Other (please describe)	Optional	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>



Completion Status (6.5 Waste Disposal Sites)

6.6 Waste Management Systems

Attachment	Required, Optional or N/A	Attached?	If no, provide explanation, (include referenced attachment if more space is required for rationale)	Confidential
Proof of vehicle and/or equipment ownerships	N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
Complete Fleet List (list of all vehicles, trailers and equipment used)	N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
Copy of the Liability Insurance for all vehicles for which insurance is required	N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
Copy of BUC recommendation	N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
Copy of the storage tank design	N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
Copy of commercial vehicle licence	N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
Description of the physical location where the vehicles transporting biomedical waste are being disinfected	Optional	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
Drivers Training Manual (for PCB/ Biomedical Waste)	Optional	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
A copy of the applicant's Operation Plan including detailed packaging and biomedical waste handling methods	Optional	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
Contingency and Emergency Procedures Plan (for PCB/ Biomedical Waste/Hauled Sewage (Septage))	Optional	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
Other (please describe)	Optional	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>



Completion Status (6.6 Waste Management Systems)

6.7 Mobile Waste Processing ☐ N/A

Attachment	Required, Optional or N/A	Attached?	If no, provide explanation, (include referenced attachment if more space is required for rationale)	Confidential
Design and Operations Report - Mobile Waste Processing of General Waste	N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
Design and Operations Report - Mobile Waste Processing of Liquid Waste	N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
Other (please describe)	Optional	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>

✓ Completion Status (6.7 Mobile Waste Processing)

6.8 Cleanup of Contaminated Sites ☐ N/A

Attachment	Required, Optional or N/A	Attached?	If no, provide explanation, (include referenced attachment if more space is required for rationale)	Confidential
Design Report for Cleanup of Contaminated Sites	N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>
Other (please describe)	Optional	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>

✓ Completion Status (6.8 Cleanup of Contaminated Sites)

6.9 Other Attachments ☐ N/A

Title	Reference	Confidential
		<input type="checkbox"/>

Is there an attachment of an additional list of attachments?

☐ Yes ☐ No

If there is not enough space to list all of the attachments included in this application package, please include an additional listing of these attachments.

✓ Completion Status (6.9 Other Attachments)

6.10 Confidentiality

Attachment	Required, Optional or N/A	Attached?	If no, provide explanation, (include referenced attachment if more space is required for rationale)	Confidential
Explanation for confidentiality	N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/>

✓ Completion Status (6.10 Confidentiality)

Please note: The collection of personal information in this application is necessary to administer the Ministry's approvals program, which is authorized pursuant to the *Environmental Protection Act* and the *Ontario Water Resources Act*. The personal information collected in this application will be used to administer the program, including for the purposes of the Ministry's compliance and enforcement activities under the aforementioned acts, and for the purposes of making information in respect of Environmental Compliance Approvals available to the public with the exception of payment information. Questions about the collection of the information can be directed to a Client Service Representative, Client Services and Permissions Branch, 135 St. Clair Avenue West, 1st Floor, Toronto ON M4V 1P5; Telephone outside Toronto 1-800-461-6290 or in Toronto 416-314-8001 or Fax 416-314-8452.

7. Authorization

7.1 Statement of the Applicant

I am authorized to prepare and submit this application and to make this certification. I have reviewed the complete application and I have made all inquiries that are necessary to declare to the best of my knowledge, information and belief:

- The information contained in this application is complete and accurate.
- The Technical Contact(s) identified in this application has/have been authorized to prepare certain technical material, and act on behalf of the applicant to discuss this application with the Ministry of the Environment and Climate Change and to provide additional information about this application to the Ministry on request.
- The information provided to the Technical Contact(s) in relation to this application is complete and accurate.

Name of Signing Authority (Please print) *

Ruben Plaza

Title *

Environmental Manager Canada

Telephone Number

905-623-3341

ext. 242

Mobile Number

905-243-5841

Fax Number

Email Address

ruben.plaza@vcimentos.com

Signature



Date (yyyy/mm/dd)

2020/03/26



Completion Status (7.1 Statement of the Applicant)

7.2 Statement of the Municipality ☐ N/A

I, the undersigned hereby declare on behalf of the Municipality, that the Municipality has no objection to the construction of the works in the Municipality.

Name (Please print)

Title

Name of Municipality

Signature

Date (yyyy/mm/dd)



Completion Status (7.2 Statement of the Municipality)

7.3 Statement of Technical Contacts

Technical Contact 1

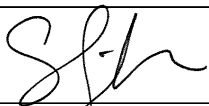
I have been authorized by the applicant to prepare the technical materials for the area(s) of responsibility identified in section 2.6 that are included in the application. I have reviewed those technical materials and I have made all inquiries that are necessary to declare to the best of my knowledge, information and belief:

- The technical materials contained in this application in respect of the area(s) of responsibility identified in section 2.6 are complete and accurate.
- I have the relevant education and experience necessary to provide this certification.

Name of Technical Contact (Please print) *

Sean Capstick

Signature



Date (yyyy/mm/dd)

2020/03/30



Completion Status (7.3 Statement of Technical Contacts)

8. Payment Information - Application for an Environmental Compliance Approval

Please Note:

1. If this form has been completed by hand, the fee calculations must be completed and attached separately. The supplemental fee calculations do not need to be included if this form has been completed electronically.
2. If this form has been completed electronically, the fees for this application have been calculated based on the information provided. The Ministry may require additional information during the review of the application that could impact the total fee required.
3. All fees should be paid in Canadian funds, payable to the *Minister of Finance*, except fees for *Transfer of Review*, which are payable to the local municipality.
4. Credit card payments are accepted for payments under \$10,000 only. **Never email credit card information.**
5. If payment is being made by certified cheque or money order, please staple the payment to this page.
6. The information collected in this section of the form is considered confidential and will only be used to process the application fee.
7. To protect credit card information, do not submit this page containing payment information via e-mail or any other electronic means if it includes credit card information. Credit card information should be submitted only by mail, facsimile, or hand-delivery. Applications containing payment information that are submitted via e-mail or any other electronic means will not be processed and will be destroyed.

Do not include this page in the copies of the application that are being provided to the Local Ministry District Office.

Amount Enclosed

Method of Payment *

☒ Certified Cheque ☐ Money Order ☐ VISA ☐ MasterCard

Credit Card Information (if paying by VISA or MasterCard)

Name of Cardholder (Please print)

Card Number

Expiry Date (mm/yy)

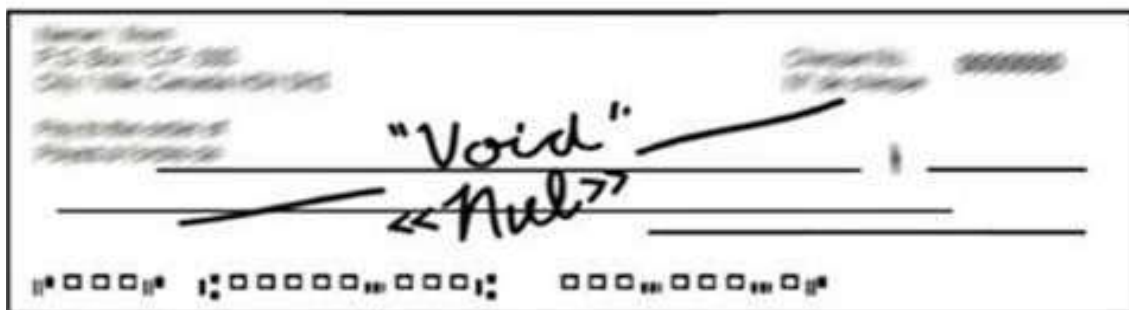
Card Holder's Signature

Date (yyyy/mm/dd)



Completion Status (8 Payment Information)

If paying by certified cheque or money order, please attach it here.



Application Summary

For Office Use Only

Reference Number	Payment Received (\$)	Date (yyyy/mm/dd)	Initials
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Applicant Name

St Marys Cement Inc. (Canada)

Project Name

Alternative Low Carbon Fuel Use at the St Marys Cement Bowmanville Plant

Project Description Executive Summary

St Marys Cement (SMC), a company of Votorantim Cimentos North America (VCNA) is undertaking efforts to expand their current use Alternative Low Carbon Fuels (ALCFs) as an energy source for their Bowmanville Cement Plant (the Site). This initiative will help to further reduce greenhouse gas emissions in Ontario while diverting materials from landfills. The Site is located at 410 Bowmanville Avenue, in Bowmanville, Ontario, within the Municipality of Clarington and Durham Region.

SMC currently has an Environmental Compliance Approval (ECA) number 0469-9YUNSK to use woody materials as an ALCF at the site. SMC has now prepared an ALCF Application under Ontario Regulation (O. Reg) 79/15 of the Environmental Protection Act as well as support studies for an amendment to their current ECA for the following:

- ☐ increasing the current 96 tonnes of ALCFs used per day to 400 tonnes of ALCFs per day, which is approximately 30% thermal replacement of the conventional fuels (coal, petroleum coke) used at the site with ALCFs;
- ☐ adding biomass, cellulosic and plastic materials derived from industrial and/or post-consumer sources, which cannot be recycled, are not considered hazardous and are not derived from animals or the processing and preparations of food, to the list of approved ALCFs at the Site based on the recent demonstration project at the site;
- ☐ installing new equipment at the Site to accommodate the ALCFs; and
- ☐ increasing the capacity of the current alternative fuels storage at the Site using enclosed containers and buildings.

SMC considers the engagement of Indigenous groups and consultation with adjacent and nearby residents / property owners to be a critical component to their operations. As a result, and in line with the requirements outlined in O. Reg 79/15, SMC has undertaken a range of consultation and engagement activities in support of the preparation of the ALCF Application.

This application is also supported by a number of studies have been prepared in response to public comments or as a requirement of O. Reg 79/15

Supplemental Application Information

In accordance with O. Reg. 79/15 SMC has prepared the following which are attached to this application:

- ☐ Carbon Dioxide Emission Intensity Report
- ☐ Consultation Report

To address public comments and concerns for this project the following additional supporting studies were prepared:

- ☐ Air Quality Study and Cumulative Effects Assessment
- ☐ Acoustic Assessment
- ☐ Traffic Impact Study
- ☐ Fuel Handling Procedures

Carbon Dioxide Emission Intensity

The results of the Carbon Dioxide Emission Intensity Report estimate ALCF carbon dioxide emission intensity values at least 74% lower than the conventional fuel values.

Consultation and Engagement

A summary of consultation and engagement that has been undertaken as part of this study is provided in the Consultation Report, which was prepared in accordance with O. Reg 79/15. A summary of the pre-submission meetings held with MECP is also included in the Consultation Report.

After the Consultation Report was prepared and Notice of Completion of the Consultation Report was distributed, it was brought to our attention that correspondence from Curve Lake First Nation, received on February 20, 2020, was missed. SMC quickly responded to the concern addressed by Curve Lake First Nation with a letter on March 16, 2020 acknowledging their interest in the project and suggested a meeting. The letter also indicated that archaeology

would not be undertaken as part of this application but a Stage 1 Archaeological Assessment will be completed for construction of the future storage building. Golder Associates Ltd. (Golder), who was retained to prepare the Stage 1 assessment, reached out to Curve Lake First Nation directly to provide further details on the assessment and discussed incorporation of Curve Lake First Nation's traditional knowledge and Curve Lake First Nation's review of the draft report. SMC provided Curve Lake First Nation copies of all supporting studies on March 20, 2020 via secure file transfer.

On March 25, 2020, SMC held a meeting, via teleconference due to recent COVID-19 restrictions, with Curve Lake First Nation. During this meeting, SMC provided a presentation on the ALCF Application under O. Reg 79/15, an overview of the supporting studies that have been prepared and noted that the Project Team intends to submit the application to MECP in March 2020. No project specific concerns were brought up by Curve Lake First Nation. SMC and Curve Lake First Nation discussed setting up a future site visit and meeting in person at a later date to discuss how Curve Lake First Nation can better develop a relationship with SMC.

Air Emissions

BCX Environmental Consultants was retained to prepare an Air Quality Study and Cumulative Effects Assessment as well as prepare an updated Emission Summary and Dispersion Modelling (ESDM) Report in accordance with Section 26 of Ontario Regulation 419/05.

The Emissions Summary and Dispersion Modelling Report is also attached.

Noise Emissions

HGC Engineering was retained to prepare an assessment of Noise Emission from ALCF operations at the site. The acoustical analysis prepared concluded that sound from the proposed ALCF operations will be similar to the existing low carbon fuel operations at the site, and will not contribute significantly to facility-total sound levels offsite, which will remain within the applicable MECP limits.

Traffic Operations

AECOM was retained to prepare a Traffic Impact Study to support the ALCF application. The Traffic Impact Study concluded that although specific movements at the study area intersections would operate at an unacceptable level of service (LOS) and/or over capacity, these noted failing operations are not the result of the additional volume of traffic that would be generated by the Site.

Fuel Handling Procedures

A Fuel Handling Procedures document has been prepared to support the ALCF Application and to provide a summary of operational procedures related to the use of ALCFs at the site.

Operational Timeline

SMC is already using ALCFs at the Site and intends to start increasing the use of ALCFs as soon as possible in 2020, once an ECA Amendment from MECP is received.

All of the above noted documents are available on the project website: (<http://stmaryscement.com/BowmanvilleALCF>).

Pre-Submission Consultation Meetings

SMC held three meetings with MECP on the following dates:

- April 11, 2019
- October 21, 2019
- January 31, 2020

Key to these discussions was Sushant Agarwal, Senior Air Engineer, Air Approvals, for this reason we ask that his application to be assigned to Sushant once it has been received by the Application Processing Unit.

SMC has provided this application to the following recipients:

- ☐ MECP Permissions Branch
- ☐ MECP York Durham District Office, Kim Lendvay
- ☐ Municipality of Clarington, Amy Burke
- ☐ Region of Durham, Gioseph Anello

Application Status

Section	Completed?			
1. Application Information	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
2. Project Information	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
3. Regulatory Requirements	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
4. Site Information	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
5. Facility Information	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
6. Supporting Documentation	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
7. Payment Information	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
8. Authorization	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No

Fee Summary

Activity	Amount (\$)
Administrative Processing	\$200.00
Review of EPA s. 9 activities	\$2,400.00
Review of EPA s. 27 activities	\$0.00
Review of OWRA s. 53 activities	\$0.00
Total Fee	\$2,600.00

The Ministry may request additional fees upon review of this application.

If this form is submitted in print version only and the smart calculation feature is not used, please attach the fee calculation separately.