

Frequently Asked Questions for the Belleville Waste Management Facility – Environmental Compliance Approval Application

The following is intended to assist in responding to common questions that may be asked by the public with respect to the Belleville Waste Management Facility.

1. What is the Belleville Waste Management Facility?

The Belleville Waste Management Facility will be comprised of a waste transfer facility, a recycling facility and a composting facility to provide consolidation, processing and transfer services for solid non-hazardous waste, recyclable materials and organic wastes. This facility will provide Eastern Ontario with needed waste management infrastructure required to support waste diversion programs such as recycling and composting.

2. Is this facility already approved?

A number of operations at the facility are already approved by the Ministry of the Environment (MOE) under an existing Provisional Certification of Approval (CofA) for a Waste Disposal Site (2010). The current CofA allows the site to be used for the transfer and processing of non-hazardous recyclable materials, solid non-hazardous municipal waste and leaf and yard waste from domestic and commercial sources.

As the owner wants to make some changes to site operations (adding food waste and other materials for composting) the current CofA now needs to be amended.

3. Who is responsible for approving the CofA amendment for the project?

The facility is subject to both Provincial approval from the Ministry of the Environment (MOE) under the Environmental Protection Act (EPA) as well as local municipal approval from the City of Belleville (City) and Quinte Conservation.

This facility is currently undergoing site plan approval by the City of Belleville and Quinte Conservation.

An Environmental Compliance Approval (ECA) application is being developed and will be submitted to the MOE to replace the existing CofA for the following:

- An amendment to the Provisional Certification of Approval (CofA) No. 0031-7UTRSS for a Waste Disposal Site under Section 27 of the *Environmental Protection Act*;
- An Environmental Compliance Approval (ECA) for Air and Noise for a Waste Disposal Site under Section 9 of the *Environmental Protection Act*; and
- An Environmental Compliance Approval (ECA) for Sewage for a Waste Disposal Site under Section 53 of the *Ontario Water Resources Act*.

4. When will this facility be built?

It is anticipated once approvals have been received from the City, Quinte Conservation and the MOE than construction can begin. We are only able to prepare the site until then, for example, some minor grading and site clearing. We anticipate we will be able to start construction sometime in 2014.

5. What activities are going to happen on site?

The intent of this site is to establish a waste transfer station for the consolidation of solid non-hazardous waste; a recycling facility for the processing of paper, plastics, glass and metal recyclable materials; and a composting facility that utilizes a covered composting system to turn organics into marketable compost product. The public will also be able to drop off waste, recyclable and organic materials at the site.

6. Who will be managing the site?

Astoria Organic Matters Ltd. (Astoria) will be the primary developer the Belleville Waste Management Facility. David N. Moore and Son Environmental currently owns the property but it will be operated by Astoria.

7. What waste materials will be accepted at the site? How will they be processed?

Solid Non-Hazardous Waste

The transfer station will accept solid non-hazardous waste from municipal and industrial, commercial and institutional sources.

The solid non-hazardous waste will be consolidated inside the transfer station and loaded into large hauling trailers for transportation to an approved disposal facility.

Recyclable Materials

The recycling facility will accept recyclable paper, cardboard and fiber products as well as recyclable containers (plastic, metal and glass). Additional recyclable items may be accepted based on recycling and stewardship programs (e.g. tires, electronics).

All material will be received inside the materials recycling facility (MRF). The paper/fiber and cardboard will be baled separated. Plastic, metal and glass materials will be separated; the plastic and metal will be baled as necessary. All materials will be stored until there is sufficient volume to send to market.

Organic Wastes

The composting facility will accept commercial food waste, source separated organic waste (municipal), biosolids, wood waste, leaf and yard waste, paper waste, inert powders, manure, liquid industrial organics and other organic wastes.

All materials will be received inside a tipping building, which will be ventilated through a biofilter (an organic biological filter) to reduce odours. The material will be blended as required to ensure the proper carbon to nitrogen ratios are achieved. The blended material will be stored inside the tipping buildings until there is a sufficient volume of material to build a complete windrow (a composting row). Once the window is completed it will be covered with the GORE® Cover System to provide for odour, temperature and moisture control during the

decomposition process. The first two (2) weeks of composting with the GORE® Cover System will be conducted within a building and ventilated to manage odour.

8. Where will this waste come from?

The intended service area is to include waste from domestic and industrial, commercial and institutional (IC&I) sources from the provinces of Ontario and Quebec and the State of New York, US. However, solid non-hazardous waste and materials such as white goods, scrap metal and shingles will only be accepted from within Ontario.

Recyclable materials and organic waste will be accepted from within the whole service area, however it is anticipated that a majority of waste will be received from Eastern Ontario.

9. When will this facility start accepting waste?

The facility will not start accepting waste until approvals are in place, construction has been completed, and the facility has been commissioned.

10. What assessments/investigations are being undertaken to ensure there are no negative effects to the environment?

As part of the Environmental Compliance Approval Processes the following studies/documents are being completed:

- Site Plan Design
- Transportation Impact Assessment
- Stormwater Management Design and Plan
- Hydrogeological Assessment and Leachate Control Plan
- Emissions Summary and Dispersion Modelling Report
- Acoustics Assessment Report
- Design and Operations Report

11. I'm concerned about odours coming from the site, what controls will be in place?

The facility is being designed with the intent to minimize potential offsite odour impacts.

The tipping building, where organic waste will be received, will be operated under negative pressure and will be equipped with a biofilter that will be designed to handle all collected air to reduce odours. The biofilter and composting building will be ventilated through a self-supported stack to further reduce local ground level odour impact.

The windrows will be covered with the GORE® Cover System which will reduce odour emissions generated from the organic wastes undergoing decomposition. Furthermore, the first two (2) weeks of composting with the GORE® Cover System will be conducted within a building and ventilated to manage odour.

As required as part of the Environmental Compliance Approval, Astoria has developed operational procedures for the daily monitoring and control of potential odours from onsite activities.



12. I'm concerned about noise generated at the site, what controls will be in place?

As part of the Environmental Compliance Approval application, a noise impact assessment was completed. The assessment defines a maximum allowable noise level for each equipment unit in the facility and requires that the transfer station, recycling facility and composting facility be designed with materials/controls that significantly decrease/contain noise. Under normal operational conditions, it is anticipated that there will not be adverse noise impacts to the nearest receptors.

13. I'm concerned about the additional traffic on Phillipston Road, how will this new facility impact traffic in the area?

As part of the site plan approvals process, a transportation impact assessment was completed. A pavement impact assessment is also being completed (January 2014) to assess potential impact on local roadways.

The initial traffic assessment indicated minimal expected traffic impacts based on the amount of material to be received on a daily basis. The estimates range is 41-62 trucks per day based on the revised site operations. The existing site operations contribute minimal traffic, i.e. 20-40 trucks per day.

14. I'm concerned about water runoff from the site entering our water ways, how is runoff going to be managed?

As part of the site plan approvals process, the site has been designed with the intent that most of the surface water will be managed through the onsite retention pond.

A stormwater management plan has been created to mitigate all rain events up to and including a 100 year storm.

The site drainage and stormwater management plan is currently under review as part of the site approval processes. The final stormwater management plan will be approved by Quinte Conservation.

15. I'm concerned about the impact that the facility may have on our water quality. How will potential impacts be monitored?

As part of the project a Hydrogeological Assessment and Leachate Control Plan was completed that establishes a long term groundwater monitoring program for the site that includes annual reporting to the MOE.

As part of the stormwater management plan, water quality control will be provided for the site to reduce the sediment loading and to prevent oil and floating pollutants from leaving the site. The site's stormwater management features are designed to meet the MOE's Enhanced Level Water Quality targets.

16. Will there be further opportunities for the public to learn about this project?

Yes. A public meeting is scheduled for Monday January 27, 2014, from 4:00 pm to 7:00pm at the Gerry Masterson Thurlow Community Centre. Additional information is presented on our website

<http://astoriaorganics.com/>

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