

Feedback from Public Information Centre No. 2 on April 9, 2015

Three (3) public information centres (PIC) are included in this Class EA study.

The second PIC was held on April 9, 2015, to present information on the three short-listed alternatives being considered for the HCTP, as well as the two short-listed routes to transport biosolids or biosolids materials from the HCTP. At that meeting, comments sheets were provided, and input on the study was requested. In addition, input on the criteria and that would be used to evaluate the biosolids management alternatives, and the relative importance of criteria categories (Health, Environment, Community and Cost) was requested.

The City prepared responses to all of the input received as a result of PIC No. 2, and posted these on the project web page. The detailed responses were organized under the following headings:

1. PIC Format and Content
2. Rationale for Class EA Study
3. Study Approach
4. Public Consultation
5. Health Impact Assessment (HIA) Stakeholders Group
6. Timing for Implementation of Selected Biosolids Management Solution
7. Biosolids Generation and Management Alternatives
8. Biosolids Transport Off-site
9. Land Application of Biosolids or Processed Biosolids Products

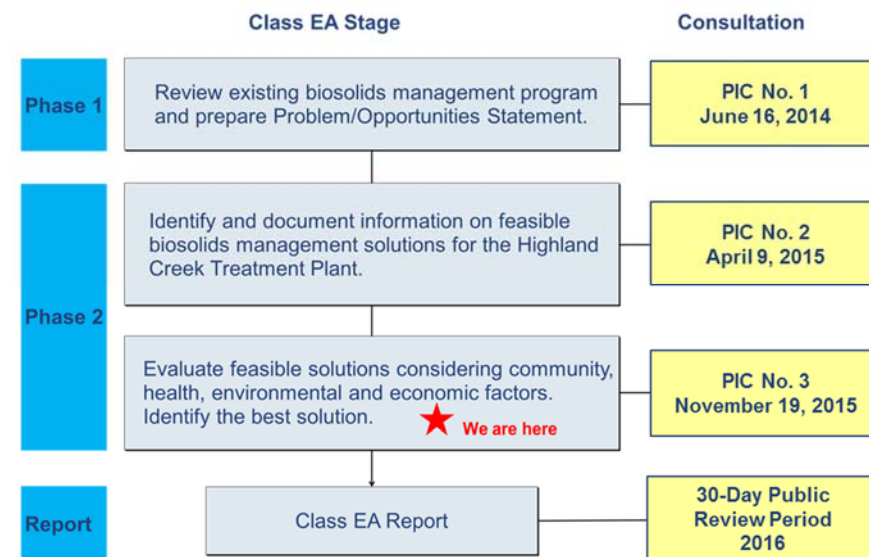
Facts about PIC No. 2

Number of public attendees (signed in)	62
Number of comment sheets received	53

Next Steps in the Class EA Study

The chart below shows the steps in the Class EA process. The project team has identified the short-list of alternatives, and developed information on each alternative as related to the criteria in the categories of Public Health, Environment, Community and Cost. Each alternative was scored against the criteria. These results will be presented in PIC No. 3. Input received at PIC No. 3 will be considered in finalizing the evaluation and preparing the Class EA report.

The Class EA report, presenting all of the information from the study and consultation activities, will be made available for a 30-day public review period in 2016.



For additional information

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Highland Creek Treatment Plant Biosolids Management Schedule B Class Environmental Assessment

NEWSLETTER #3

November 2015

Study Overview

The Highland Creek Treatment Plant (referred to as the HCTP) is located at 51 Beechgrove Drive, in the south eastern Scarborough community of West Hill in Toronto's Ward 44. It is one of the City's four treatment plants that provide treatment of wastewater generated by the entire City. Biosolids are the treated residuals remaining from the wastewater treatment process.

A Class Environmental Assessment (Class EA) study is being conducted to determine the best biosolids management solution for the HCTP.

The study was initiated in April 2014 and will be completed in 2016. More detailed information on this project and the information presented in this newsletter is available on the project web page at:

www.toronto.ca/hctpbiosolidsea



Location of Highland Creek Treatment Plant

Get Involved

Detailed information on alternatives and the results of the evaluation will be presented at the next Public Information Centre.




Public Information Centre No. 3

Date: November 19, 2015
 Time: 6:00 pm – 9:00 pm

Presentation followed by Question & Answer period: 7:00 pm

Location: Royal Canadian Legion,
 45 Lawson Road, Scarborough

Short-Listed Biosolids Management Alternatives

	Alternative 1 On-Site Fluidized Bed Incineration	Alternative 2 Haul Biosolids Off-Site for Management	Alternative 3 On-Site Pelletization and Haulage and Management Off-Site
Features			
Material to be managed	Ash	Biosolids	Pellets
On-site requirements at HCTP	New fluidized bed incinerators and new air pollution control equipment. Existing ash lagoons would be used for ash storage.	New biosolids truck loading facility with odour control, and new anaerobic digesters	New pelletizer processing facility and pellet truck loading facility with odour control.
Off-site management methods	Landfill disposal or potential recycling (e.g., in cement)	Beneficial use on land (agricultural and reclamation), further processing into a fertilizer or compost product, or landfill disposal	Managed and/or potentially marketed as a fertilizer product
Number of Trucks	Ash hauled from on-site lagoons once per year over a 1 to 2 week period	4 to 6 per day, 5 days per week, year round	1 to 2 per day, 5 days per week, year round

Health Impact Assessment

Toronto Public Health (TPH) led a separate Health Impact Assessment (HIA) to evaluate the potential health effects of the biosolids management alternatives on human health within the study area community. The health areas considered are shown in the table to the right. A TPH staff report on the HIA and recommendations to the Toronto Board of Health were provided as background to the Board of Health meeting on October 26, 2015. The report was accepted and recommendations were adopted. More information can be found at:





<http://app.toronto.ca/tmmis/viewAgendaItemHistory.do?item=2015.HL7.6>.

Overall, the HIA found that the health impacts associated with all three alternatives are very small and would not result in appreciable differences in health impacts to the study area community members. All alternatives evaluated achieve significant reductions in air emissions compared to the existing multiple hearth incinerators.

Evaluation Methodology

Criteria used to compare the biosolids management alternatives were identified, in the categories of Environment, Community and Cost. These criteria were developed by the project team, with input from the public through the PIC No. 2 comment sheet. Criteria were also developed in the category of Public Health, in a separate Health Impact Assessment (HIA) led by Toronto Public Health.

Through PIC No. 2, input was also requested on the relative importance of the four categories (Public Health, Environment, Community and Cost). The criteria, categories and weights (importance) are listed in the table below.

Objective	Criteria
	Protect Public Health (Weight of 27%)
Minimize Impacts to the Health of Members of the Community	Minimize health impacts from air emissions
	Minimize stress related health impacts due to (i.e., odours and noise)
	Minimize risk of unsafe traffic conditions
	Minimize health impacts from contamination of soils
	Minimize health impacts that may result due to changes to the neighbourhood characteristics (e.g., recreational features, green space, property values)
	Minimize risk of increasing health inequities
	Minimize Impacts to the Environment (Weight of 33%)
Protect Air Quality	Minimize environmental impacts due to air pollutant emissions
Protect Global Climate	Minimize greenhouse gas emissions (measured as equivalent CO ₂ emissions) from the use of non-renewable fuels
Protect Surface Water, Groundwater, Land and Terrestrial Resources	Recover soil conditioning and fertilizer value of biosolids
	Minimize risk of spills or other adverse events during processing, handling, transportation and management
	Minimize environmental impacts during construction
Ensure a Reliable and Sustainable End Use	Minimize potential impacts to environment caused by service disruptions in the end use market
	Minimize the use of non-renewable resources and energy sources
	Minimize Community Impacts (Weight of 24%)
Maximize Quality of Community Life	Minimize potential sources of nuisance odours
	Minimize potential for other nuisance community impacts (noise, traffic, dust, mud, aesthetics)
	Minimize negative public opinion and perception of risk
	Minimize community impacts during construction
Maximize Quality of HCTP Working Conditions	Minimize odours, noise, dust and other potential health and safety exposures associated with the operation of biosolids facilities at the HCTP
	Minimize Cost (Weight of 16%)
Minimize cost	Minimize life-cycle costs