



City of  
**Peterborough**

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**TO:** Members of the Waste Management Committee

**FROM:** Patrick Devlin, Manager of Environmental Protection Division

**MEETING DATE:** December 7, 2009

**SUBJECT:** Report WMC09-07  
Peterborough Biosolids Options Study  
Final Executive Summary Report

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## **PURPOSE**

A report to present to Committee the Peterborough Biosolids Options Study, Final Executive Summary Report.

## **RECOMMENDATIONS**

That the Waste Management Committee endorse the recommendations as outlined in Report WMC09-07 dated December 7, 2009, of the Manager of Environmental Protection as follows:

That Report WMC09-07 from the Manager of Environmental Protection presenting the Peterborough Biosolids Options Study, Final Executive Summary Report be adopted as presented in order to proceed with the recommendations outlined in the Executive Summary Report, specifically:

- a) That the City issue a Request for Proposal to obtain competitive bids for both short and/or long term options for the management of City of Peterborough Waste Water Treatment biosolids cake; and
- b) In the event that the Request for Proposals is unsuccessful or it is still warranted, the City of Peterborough undertake a Biosolids Master Plan under the Municipal Class Environmental Assessment process.

## **BUDGET AND FINANCIAL IMPLICATIONS**

There are no budget or financial implications associated with this report.

## **BACKGROUND**

Due to operational difficulties in handling biosolids cake at the Peterborough County/City Waste Management Facility, the Waste Management Committee directed staff to investigate alternate uses or other disposal options of this material. R. V. Anderson was retained and a subcommittee of City and County staff was established to research alternatives and prepare a Biosolids Options Study. The first phase of the study investigated technologies for processing/disposal of biosolids, creating a long-list of available technologies, which was short-listed by a set of screening criteria and local requirements.

The second phase of the study applied a set of evaluation criteria and weightings, followed by a ranking and evaluation of net present value.

Consideration of future regulations, trends and unforeseen challenges were discussed with the Waste Management Committee. Rather than pursue further evaluation of short-listed options, the Committee recommended that an updated long-list of technologies be presented for evaluation through a Biosolids Master Plan.

An Executive Summary Report will be presented to the Waste Management Committee for review and consideration, prior to adoption by City and County Council.

The Biosolids Options Study describes the need to issue an RFP to solicit “interim biosolids management services” to deal with the immediate need to eliminate biosolids from landfill as early as September 2010. Staff is of the opinion that this would be an opportune time to test the marketplace for both interim and longer-term solutions. Accordingly, upon approval of this report, staff will issue an RFP for a contract to provide interim and longer-term management of the City’s biosolids. If this RFP is successful and a long-term solution is found for the City’s biosolids, the need to undertake a Biosolids Master Plan may be eliminated.

## **SUMMARY**

The Peterborough Biosolids Options Study is the first step in seeking alternative processing or disposal options for the wastewater treatment plant’s biosolids cake.

Submitted by,

Patrick Devlin,  
Manager of Environmental Protection Division

Contact Name:

Phone 705-742-7777 Ext. 2624

Fax 705-743-0991

E-mail address: [pdevlin@peterborough.ca](mailto:pdevlin@peterborough.ca)

Attachment 1: Peterborough Biosolids Options Study – Final Executive Summary Report; November 2009, by R. V. Anderson Associates Limited.