

REGION OF OTTAWA-CARLETON
RÉGION D'OTTAWA-CARLETON

REPORT
RAPPORT

Our File/N/Réf. Your File/V/Réf.	50 40-97-0637-CC
DATE	24 March 1999
TO/DEST.	Co-ordinator Planning and Environment Committee
FROM/EXP.	Acting Deputy Commissioner Environment and Transportation Department
SUBJECT/OBJET	APPROVAL TO RECEIVE WASTE DISPOSAL SITE LEACHATE AT THE ROBERT O. PICKARD ENVIRONMENTAL CENTRE

DEPARTMENTAL RECOMMENDATION

That the Planning and Environment Committee recommend Council approve, pursuant to section 5.2.2(9) of the Regional Regulatory Code, the receipt of waste disposal site leachate from the Huneault Waste Management Landfill Site at the Robert O. Pickard Environmental Centre in accordance with the conditions and fee structure set out in this report.

BACKGROUND

On 24 June 1997, the Region of Ottawa-Carleton was ordered by the Ministry of Environment (MOE) to forthwith accept leachate from the Huneault Waste Management Ltd. ("Huneault Waste") landfill in Gloucester at the R.O. Pickard Environmental Centre. The Order also included a requirement to continue to receive Huneault Waste leachate until a long-term leachate management plan is approved by the MOE and the Region or until the MOE gives approval to the Region to stop accepting Huneault Waste leachate.

The Pickard Centre commenced receiving Huneault Waste leachate on 27 June 1997 and continues to accept the waste under the MOE Order. Huneault Waste has finalized their long-term leachate management plan and is proposing to dispose of their leachate at the Pickard Centre.

DISCUSSION

Disposal of leachate to the Pickard Centre has been identified by Huneault Waste Management as the most practical and cost-effective alternative to address the issue of excess leachate. The disposal of leachate to the sewer and sewage works is governed under Part 5.2 of the Regional Regulatory Code and requires Council approval. The conditions for the discharge of leachate is subject to specific requirements and controls which are identified in the form of an agreement.

Accordingly, Huneault Waste Management is requesting approval from the Region for the continued discharge of their leachate to the Pickard Centre.

The Department has reviewed Huneault Waste's application, including analytical data provided regarding the characteristics of their leachate. The data supports the recommendation to accept Huneault Waste's leachate at the Pickard Centre since the quality of the leachate would normally be within the limits established in the Regional Regulatory Code and in their proposed agreement, with the exception of boron. Huneault Waste is proposing a work plan to control the boron in their leachate. A copy of this leachate management initiative is contained in Appendix A.

The Department has finalized the details and conditions to allow the receipt of Huneault Waste's leachate at the Pickard Centre in accordance with the Regional Regulatory Code. The conditions specifically address the discharge site, compensation, monitoring requirements, discharge criteria and the leachate management initiatives that will be implemented at the Huneault Waste landfill site.

CONDITIONS

It is recommended that the conditions for the receipt of Huneault Waste leachate to the Pickard Centre address such issues as:

1. The leachate will be discharged at the Pickard Centre at the times and locations designated by the Region.
2. The volume of leachate to be discharged per month will be estimated by Huneault Waste and approved by the Region prior to the commencement of each month.
3. The cost of the analytical requirements conducted at the Pickard Centre as a result of leachate being discharged will be borne by the parties discharging leachate, as appropriate. Huneault Waste will supply to the Region all data and records necessary to determine the quality and quantity of the leachate being discharged.

4. The compensation will include a fee for the water from a separate source and, where applicable, a fee for treatable parameters identified in Schedule C of Part 5.2 of the Regional Regulatory Code. It is anticipated that compensation will generally be calculated based on the fee for water from a separate source, as the treatable parameters will normally be in compliance.
5. The Region will set the maximum concentration and loading for the parameters identified in the leachate based on the current Regional Regulatory Code requirements and other standards. These will be reassessed periodically to address regulatory changes or process considerations at the Pickard Centre.
6. The Commissioner may modify or impose conditions from time to time provided they do not negatively impact on the proper operation and management of the Pickard Centre.
7. Termination provisions will address operational, compliance, and health and safety issues.

CONSULTATION

The public consultation process is not applicable since this approval will not result in any change from the current receipt of leachate at the Pickard Centre.

FINANCIAL IMPLICATIONS

Approving the receipt of leachate at the Pickard Centre will provide a cost-effective means for Huneault Waste to dispose of its leachate. In addition, any costs associated with receipt of leachate at the Pickard Centre will be fully recovered through the compensation fee.

*Approved by
Doug Brousseau*

HR/lr

LEACHATE MANAGEMENT INITIATIVE**HUNEAULT WASTE MANAGEMENT
LONG TERM TREATMENT OF LEACHATE
ACTION PLAN**

1.0	HWM to prepare a Work Plan and schedule related to an assessment of boron criteria and the best economical available technology to treat boron.
2.0	Work Plan tasks and schedule will be reviewed with RMOC and MOE staff. Work Plan to be finalized.
3.0	Based on HWM's formal application and the approved Work Plan the Region will enter into an agreement permitting the company to dispose of leachate at the RO. Pickard Centre.
4.0	HWM will monitor the quantity and quality of the leachate as required in the agreement and provide the Region with the data.
5.0	HWM will continue to consult and inform the community on the company's waste management program.

**HUNEAULT WASTE MANAGEMENT
LONG TERM TREATMENT OF LEACHATE WORK PLAN**

TASKS	ESTIMATED START DATE	ESTIMATED FINISH DATE
<p>Task 1 - Prepare Terms of Reference for assessment of boron and the long term treatment of leachate.</p> <p>1.1 (a) Prepare Terms of Reference for Boron Criteria Evaluation (b) Prepare Terms of Reference for Technology and Assessment Evaluation of Boron</p> <p>1.2 Retain Consultant</p> <p>1.3 Award Contract</p>	April 1999	June 1999
<p>Task 2 - Conduct Evaluation of Boron Criteria.</p> <p>2.1 Conduct literature review</p> <p>2.2 Contact agencies MOE, EPA</p> <p>2.3 Contact municipalities discharging leachate to sewer system</p> <p>2.4 Finalize and submit a draft report</p>	June 1999	November 1999
<p>Task 3 - Technology Assessment for Boron</p> <p>3.1 Identify and describe best available technologies to treat boron</p> <p>3.2 Evaluate technologies and establish boron criteria based on literature review</p> <p>3.3 (a) Identify impact of each technology on environment (b) Identify impact of boron on waste treatment plants and R.O. Pickard sewage treatment plant including but not limited to biosolids.</p> <p>3.4 Consider financial implications of technology</p> <p>3.5 Prepare and submit a draft report</p>	June 1999	December 1999
<p>Task 4 - Identify Best Available Technology/Best Management Practice</p> <p>4.1 Circulate draft report for review</p> <p>4.2 Consult with Review Agencies MOE, RMOC, City</p> <p>4.3 Make Selection of recommended best available technology/best management practice for the Huneault Landfill Site</p>	December 1999	February 2000
<p>Task 5 - Public Consultation</p> <p>5.1 On-going consultation with Community</p> <p>5.2 Public Information Meeting if Major Changes to Operation</p>	on-going May 2000	June 2000
<p>Task 6 - Report</p> <p>6.1 Prepare and submit final report</p>	June 2000	July 2000
<p>Task 7 - Implementation</p> <p>7.1 Following Public Consultation implement the selected best available technology/best management practice for the Huneault Landfill Site</p>	August 2000	December 2001
<p>Task 8 - Monitoring</p> <p>8.1 HWM will monitor the quantity and quality of the leachate as required in the agreement and provide the Region with the data.</p>	on-going	
<p>Task 8 - Interim Boron Limit</p> <p>8.1 An interim limit believed to be achieved during the course of the Work Plan is set at 25 mg/l for boron</p>	on-going	
<p>Task 9 - Compliance</p> <p>9.1 Compliance to best available technology/best management practice for the Huneault Landfill Site</p>	December 2001	December 2002