

3. APPROVAL TO RECEIVE WASTE DISPOSAL SITE LEACHATE AT THE ROBERT O. PICKARD ENVIRONMENTAL CENTRE
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COMMITTEE RECOMMENDATION AS AMENDED

That 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 as amended by the following:

- a) **That the conditions for the receipt of Huneault waste leachate to the Robert O. Pickard Environmental Centre include ongoing monitoring and reporting to Council by the Region's Medical Officer of Health.**

DOCUMENTATION

1. Acting Deputy Commissioner Environment and Transportation Department report dated 24 March 1999 is immediately attached.
2. Extract of Draft Minute, 13 Apr 99, follows and includes a record of the vote.

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

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O. PICKARD ENVIRONMENTAL CENTRE

-Acting Deputy Commissioner Environment and Transportation report dated 24 March
1999

Councillor Legendre noted the Region was ordered by the Ministry of the Environment (MOE) to receive leachate from Huneault Waste Management Site and he asked if this meant the Region had resisted. France Jacovella, Manager, Wastewater Collection Branch, responded that the Region had not resisted, however, at that time, there were issues with odour at the Huneault Landfill Site and the Ministry wanted to address the situation in an expeditious manner. Ms. Jacovella explained, normally, the Regional Regulatory Code requires Council approval before the Region can receive wastewater at the Pickard Centre. As well, a technical review of the characteristics of the leachate would be undertaken and the details and conditions for the receipt of the leachate would be negotiated. In this instance, there was not time to do this, so the MOE issued an order. They did however consult with Regional staff on the wording of the conditions.

Councillor Bellemare had questions concerning the levels of chemicals in the leachate from Huneault and the testing done by the Region. Ms. Jacovella advised it is standard procedure to audit all waste hauled to the R.O. Pickard Centre. With respect to the levels of Boron in the leachate, she noted there is no specified limit in the Regional Regulatory Code. Staff established a limit of 25 mg/l based on the limited information available; when additional research is done, this limit could be revised. Ms. Jacovella noted the Pickard Centre is a biological treatment plant and does therefore not treat all parameters; she said that which is not treated could end up in either the effluent or the biosolids. She said the effluent from the Pickard Centre is regulated by the MOE; the Region's Certificate of Approval specifies what can be discharged into the River. Ms. Jacovella noted the Region has a surface water quality program which monitors the environmental effect of the facility.

Councillor Bellemare expressed concern about accepting chemicals from a third party without being fully aware of the impacts on the public's health. He said with this long term agreement, a comfort level should be built in and in this regard, he said he would be putting forward an amendment that the Medical Officer of Health provide on-going monitoring and analysis to assure the public the Region is not doing anything to affect their health.

Committee Chair Hunter asked if this was an area in which the Medical Officer of Health would have expertise or would an expert have to be hired.. Ms. Jacovella stated she could not really comment on this. She offered the Health Department may be able to comment

on the impact of certain parameters on human health. She noted when parameters are established in the Regional Regulatory Code, staff look at not only the impact on humans but also the impact on fish habitat, plant life, etc.

Jim Miller, Director, Engineering Division, drew the Committee's attention to the work plan contained in the staff report and offered staff could certainly involve the Health Department in the discussions with the MOE.

Councillor McGoldrick-Larsen asked if the MOE standards were as high as other provinces with regard to processing leachate at wastewater treatment plants. Ms. Jacovella replied staff could look into this and report back to the Committee on sewer use by-laws of different provinces. The Councillor felt it would be useful to distribute such a report to all members of Councils.

Councillor van den Ham asked what would happen if the Region chose not to accept Huneault's leachate. Ms. Jacovella replied Huneault would have to explore other options such as on-site treatment or hauling to another location but there is also the possibility the MOE could order the Region to continue to accept Huneault's leachate. Ms. Jacovella also pointed out this is not an unusual practice, as a number of municipalities in Ontario accept leachate for treatment at their plants. She noted once Huneault's long term plan is in place and Council has given its approval, the Region will no longer be under an order from the MOE and will then have better flexibility with what it can do with the leachate and the conditions it can impose.

The Committee then considered the following motion from Councillor Bellemare.

Moved by M. Bellemare

That the conditions for the receipt of Huneault waste leachate to the Robert O. Pickard Environmental Centre include ongoing monitoring and reporting to Council by the Region's Medical Officer of Health.

CARRIED

(D. Beamish, P. Hume and
R. van den Ham dissented)

The Committee then considered the staff recommendation, as amended.

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, as amended by the following:

- a) **That the conditions for the receipt of Huneault waste leachate to the Robert O. Pickard Environmental Centre include ongoing monitoring and reporting to Council by the Region's Medical Officer of Health.**

CARRIED as amended