

REGIONAL MUNICIPALITY OF OTTAWA-CARLETON
MUNICIPALITÉ RÉGIONALE D'OTTAWA-CARLETON

REPORT
RAPPORT

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Your File/V/Réf.

DATE 30 April 1997

TO/DEST. Co-ordinator
 Planning and Environment Committee

FROM/EXP. Director Water Environment Protection Division
 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 that Council approve, pursuant to section 5.2.2.(9) of the Regional Regulatory Code, the receipt of waste disposal site leachate from the Canadian Waste Landfill Site, located on Carp Road, in the Township of West Carleton, at the Robert O. Pickard Environmental Centre in accordance with the conditions and fee structure set out in this report.

BACKGROUND

Canadian Waste System (Ottawa) Ltd. ("Canadian Waste") operates a landfill site located on Carp Road, in the Township of West Carleton. The Ministry of the Environment and Energy requires Canadian Waste, as part of their Certificate of Approval for the landfill operations, to develop a leachate management system which must include the treatment of leachate.

DISCUSSION

Disposal of leachate to the Pickard Centre has been identified by Canadian Waste as the most practical and cost effective means of treating their leachate. While Canadian Waste is considering the potential for constructing a sewer pipe for direct discharge of their leachate into the sewer system in the future, Canadian Waste's application at this time specifies hauling their leachate to the Robert O. Pickard Environmental Centre for treatment. Canadian Waste's proposal is similar to the practice used by the Trail Road Landfill Site since March 1996 for the disposal of their leachate. The disposal of leachate at wastewater treatment plants is a practice widely used in Ontario, including municipalities such as Niagara, Toronto and Hamilton.

In Ottawa-Carleton, the discharge of waste to the sewers and sewage works is governed by Part 5.2 of the Regional Regulatory Code. The discharge of waste disposal site leachate is specifically addressed and requires approval by Regional Council.

The Department has reviewed Canadian Waste's application, including the analytical data provided regarding the characteristics of their leachate. The data supports the recommendation to accept Canadian Waste's leachate at the Pickard Centre since the quality of the leachate would normally be within the limits as specified in the Regional Regulatory Code.

The Department has finalized the details and conditions to permit the receipt of Canadian Waste's leachate at the Pickard Centre. The conditions specifically address the discharge site, the compensation, the monitoring requirements, and the discharge criteria.

CONDITIONS

It is recommended that the Conditions of Approval for the receipt of Canadian Waste's leachate to the Pickard Centre include the following:

1. The leachate will be discharged at the Pickard Centre at the times and locations designated by the R.M.O.C.
2. The volume of leachate to be discharged per month will be estimated by Canadian Waste and approved by the R.M.O.C. 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. Canadian Waste will supply to the R.M.O.C. all data and records necessary to determine the quality and quantity of the leachate being discharged.
4. The compensation will include a fee for 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 water from a separate source fee as the treatable parameters will normally be in compliance.
5. The R.M.O.C. will set the maximum concentration and loading for the parameters identified in leachate based on the current 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 as are considered necessary for 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 for the 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 Canadian Waste to dispose of its leachate. In addition, any cost associated with the receipt of leachate at the Pickard Centre will be fully recovered through the compensation fee.

*Approved by
Nancy B. Schepers, P. Eng.*

HR/jp