

REGION OTTAWA CARLETON
 RÉGION D'OTTAWA CARLETON

REPORT
RAPPORT

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DATE 01 September 1999

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 FROM THE CANADIAN WASTE LANDFILL SITE**

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 into the regional wastewater collection system in accordance with the conditions and fee structure set out in this report, subject to the granting of a municipal franchise to Canadian Waste Services Inc. by Regional Council.

BACKGROUND

Canadian Waste Services Inc. ("Canadian Waste") operates a landfill site located on Carp Road in the Township of West Carleton. The Ministry of the Environment 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.

In 1997, Regional Council approved the receipt of leachate from Canadian Waste at the Robert O. Pickard Environmental Centre. At that time it had also been indicated that Canadian Waste was considering the potential for constructing in the future a sewer pipe for direct discharge of their leachate into the sewer system.

DISCUSSION

Since 1997, Canadian Waste has pursued the alternative of direct discharge into the sewer system and has conducted public consultation for that initiative. Canadian Waste has also entered into negotiations with Regional staff regarding a franchise agreement for the construction of a leachate pipe. The franchise agreement is subject to a separate report to the Planning and Environment

Committee. Canadian Waste is now requesting approval to discharge leachate into the wastewater collection system.

The Robert O. Pickard Environmental Centre has been receiving leachate from the Canadian Waste landfill site since 1997. The Environment and Transportation Department is in the process of finalizing the details and conditions to allow receipt of Canadian Waste's leachate into the wastewater collection system. The conditions specifically address the term of the agreement, the maximum discharge volume, compensation according to the fees set out in this report, monitoring requirements, and discharge criteria.

CONDITIONS

It is recommended that the conditions for the receipt of Canadian Waste leachate to the wastewater collection system address such issues as:

1. The term of the agreement will be for one year, automatically renewable on an annual basis unless otherwise terminated.
2. The volume of leachate to be discharged cannot exceed specific maximum daily and instantaneous flow rates.
3. The cost of the analytical requirements initiated by the Region for monitoring and characterization activities associated with the wastewater treatment plant or the wastewater collection system as a result of leachate being discharged will be borne by the parties discharging leachate as appropriate.
4. Canadian Waste will supply to the Region all data and records necessary to determine the quality and quantity of the leachate being discharged.
5. The compensation will include a fee for the water from a source separate from the Region's distribution system 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.
6. 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, conditions in the wastewater collection system or process considerations at the wastewater treatment plant.
7. 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 wastewater collection system and of the wastewater treatment plant.
8. Termination provisions will address operational, compliance, and health and safety issues.

CONSULTATION

Canadian Waste has conducted public consultation for the direct discharge of leachate into the sewer system. The Department is satisfied that Canadian Waste has addressed the issues raised during the public consultation process.

FINANCIAL IMPLICATIONS

Approving the receipt of leachate directly into the sewer system will provide a cost-effective means for Canadian Waste to dispose of its leachate. In addition, any costs associated with receipt of leachate into the sewer system will be fully recovered through the compensation fee.

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

FJ/ls