

REGION OF OTTAWA-CARLETON
RÉGION D'OTTAWA-CARLETON

REPORT
RAPPORT

Our File/N/Réf. **50 40-93-0047-IW**
Your File/V/Réf.

DATE 15 April 1999

TO/DEST. Co-ordinator
 Planning and Environment Committee

FROM/EXP. Acting Deputy Commissioner
 Environment and Transportation Department

SUBJECT/OBJET **AMENDMENT TO CONDITIONS OF APPROVAL FOR THE
DISPOSAL OF 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, an amendment to the Conditions of Approval for the receipt of waste disposal site leachate at the Robert O. Pickard Environmental Centre, dated 27 March 1996, as set out in this report.

BACKGROUND

Disposal of leachate to the Pickard Centre has been identified by the Solid Waste Division as the most practical and cost-effective alternative to address the issue of excess leachate. In Ottawa-Carleton, the discharge of waste to the sewers and sewage works is governed under Part 5.2 of the Regional Regulatory Code. The discharge of waste disposal site leachate to the sewage works is specifically addressed and requires Council approval.

DISCUSSION

On 27 March 1996, Council approved the receipt of landfill site leachate from the Trail Road landfill site to the Robert O. Pickard Environmental Centre subject to a number of conditions. One of the requirements was the implementation of the leachate management initiatives program to bring all the parameters into compliance with the Regional Regulatory Code within three years. A copy of the original plan for leachate management initiatives is included as Appendix A.

To date, the Trail Road landfill site has implemented a number of the items from their leachate management initiatives and these activities have resulted in improvements to the leachate quality. The leachate is not, however, in compliance with all parameters.

As part of their long-term leachate management plan, the Solid Waste Division is undertaking a pipeline route selection for the off-site conveyance of leachate from the Trail Road landfill site and from the Nepean landfill site to the Pickard Centre. It is anticipated that leachate will be sewered within two years. The sewerage of the leachate will be subject to Conditions of Approval and will require Council approval. It is intended to assess the remaining compliance conditions in concert with the overall pipeline project.

In order to permit the ongoing discharge of leachate from the Trail Road landfill site as of 27 March 1999 and in order to prevent a release of the leachate to the natural environment, emergency powers of the Commissioner were invoked pursuant to section 1.7.1 of the Corporate Policy Manual. The Commissioner issued a directive to temporarily amend the Conditions of Approval issued to Trail Road landfill site until such time as the matter is decided by Regional Council.

CONSULTATION

The public consultation process was not applicable since the Pickard Centre is currently receiving the leachate.

FINANCIAL IMPLICATIONS

The costs associated with receiving Trail Road leachate at the Pickard Centre are recovered through the compensation fee.

CONCLUSION

It is recommended that the Conditions of Approval for the Trail Road landfill site dated 27 March 1996 (as amended 01 January 1997) be amended by deleting the requirement to be in compliance with the parameters of the Regional Regulatory Code within three years and by including a clause authorizing the Commissioner to amend the Conditions of Approval provided that such amendments do not adversely impact the operation of the Pickard Centre. In addition, it is recommended that the leachate management initiatives previously included in the Conditions of Approval be amended to reflect that no further work be undertaken respecting the conditions until the full implementation of the approved long-term management plan.

Approved by
Doug Brousseau

HR/lb

Attach. (1)

LEACHATE MANAGEMENT INITIATIVES

	<i>Activity</i>	<i>Schedule Commencement Date</i>	<i>Completion Date</i>
1.	Obtain Services of a Professional Engineer	February 1996	02 February 1996
2.	Submit Draft Compliance Plan	09 February 1996	15 March 1996
3.	Aeration for sulphide treatment	Summer 1996	Ongoing
4.	Investigate effectiveness of RO* in reducing VOCs**	Summer 1996	September 1996
5.	Monitoring/assessment	Summer 1996 to Spring 1997	Ongoing
6.	Low lift waste placement	Late 1996/early 1997	Ongoing
7.	Monitoring/assessment	Summer 1997, ongoing	Ongoing
8.	On-site pilot RO system (if req'd)	Early in mid 1998	June 1998
9.	Monitoring/assessment	mid 1998/mid 1999	Ongoing
10.	On-site pilot air stripping system (if req'd)	October 1998	November 1998
11.	Monitoring/assessment	Late 1998/mid 1999	Ongoing
12.	Full scale RO/air stripping system (if req'd)	1999	1999
13.	Monitoring/assessment	1999	Ongoing
14.	Final Compliance Report	1999	15 March 2000

* - Reverse Osmosis

** - Volatile Organic Compounds