

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

REPORT  
RAPPORT

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Our File/N/Réf.           **50 06-98-0135-AA**  
Your File/V/Réf.

DATE                       29 October 1998

TO/DEST.                 Co-ordinator  
Corporate Services and Economic Development Committee

FROM/EXP.               Deputy Environment and Transportation Commissioner

SUBJECT/OBJET           **SUPPLY OF SODIUM HYPOCHLORITE**  
**TENDER VARIATION 0885-38BB-T1/98**

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**DEPARTMENTAL RECOMMENDATION**

**That the Corporate Services and Economic Development Committee and Council approve an increase in the authority to Tender 0885-38BB-T1/98 with Lavo Ltd. for the supply of Sodium Hypochlorite at the Robert O. Pickard Environmental Centre in the amount of \$15,000, bringing the revised total contract provision to \$92,693.**

**BACKGROUND**

Sodium hypochlorite is used in the wastewater treatment process as a means of controlling algae growth in the secondary clarifiers and to provide final disinfection of effluent prior to discharge to the Ottawa River.

In 1997 W.E.P.D. received approval from the Ministry of Environment to adjust final disinfection to coincide with the water recreation season on the Ottawa River. The new conditions called for disinfection between May 15 and November 15 as opposed to continuous feed throughout the year. The Plant also instituted a trial for reduction in weir chlorination in the secondary clarifiers to assess the impacts on the process. The changes in sodium hypochlorite application practices resulted in a reduction in the estimated quantity required in 1998.

During the course of operations this year it was determined that the estimate for sodium hypochlorite would be insufficient to meet demand. The reasons for the increase are that the weir chlorination was reactivated due to excessive algae build up in the tanks. While algae growth does not impact the quality of treatment there is increased maintenance required for cleaning weirs and process monitoring equipment. By reactivating weir chlorination it was possible to redeploy maintenance efforts to other more critical process equipment.

Similarly the quantity for final disinfection was greater than was originally estimated for the first year of seasonal chlorination.

As a result there is a requirement for an additional \$15,000 to offset costs for sodium hypochlorite supplied in 1998.

### CONSULTATION

The public consultation process is not applicable.

### EXPENDITURE JUSTIFICATION

The supply of sodium hypochlorite is essential for the disinfection of the final effluent and control of algae growth in the secondary clarifiers. Disinfection is an integral part of the wastewater process and is in accordance with the Ministry of Environment's Certificate of Approval.

### FINANCIAL STATEMENT

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1998 Budget Request	1,013,651
Total Paid & Committed	<u>(985,922)</u>
Balance Available	27,729
THIS REQUEST	<u>(15,000)</u>
Balance Remaining	<u>12,729</u>

Funds in the amount of \$15,000 including GST are available in Budget Account No. 252-42421-5340, Chemicals and Gases, Wastewater Treatment Branch.

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

LO/jk

SUPPLY MANAGEMENT DIVISION

I concur,

*G. Ford on behalf of  
the Finance Commissioner*

FINANCE DEPARTMENT COMMENT

Funds are available as indicated.

*Approved by T. Fedec  
on behalf of the Finance Commissioner*