

REGIONAL MUNICIPALITY OF OTTAWA CARLETON
MUNICIPALITÉ RÉGIONALE D'OTTAWA CARLETON

REPORT
RAPPORT

Our File/N/Réf.
Your File/V/Réf.

DATE 12 September 1996

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

FROM/EXP. Environment and Transportation Commissioner

SUBJECT/OBJET **SUPPLY OF FERROUS CHLORIDE**
TENDER 0885-70-T2/96
TENDER AWARD

DEPARTMENTAL RECOMMENDATION

That the Corporate Services and Economic Development Committee and Council approve the award of a contract for the supply of Ferrous chloride at the Robert O. Pickard Environmental Centre to Eaglebrook Environment, Mississauga, for a total contract provision of \$386,059 for the period of 15 October 1996 to 14 October 1997, with a provision to extend the contract two (2) additional 12 month periods subject to satisfactory performance and acceptable terms and conditions.

RATIONALE

A component of the wastewater treatment process at the Robert O. Pickard Environmental Centre Ferrous chloride is used for the removal of phosphorous.

A summary of the bids received for Tender 0885-70-T2/96 can be found in Appendix A. The low bidder was Eaglebrook Environment.

Phosphorous removal at the R.O. Pickard Environmental Centre had been achieved through the use of Ferric chloride. A plant-scale trial was conducted from 24 April 1996 to 11 August 1996 to evaluate an alternate chemical, Ferrous chloride, since it is available from more than one (1) supplier and generally has a lower unit price. The trial demonstrated that the dosage requirement for Ferrous chloride and Ferric chloride are equal and that there was no noticeable impact on other processes.

The call for Tender was issued based on Ferric chloride actual consumption for the previous two (2) years. Optimization efforts over the last six (6) months have lead to a decrease in estimated consumption from 2,200 kg/d (tendered quantity) to 1,500 kg/d. Eaglebrook Environment was advised of the reduced requirement and agreed to maintain the tendered unit price.

The unit price tendered was \$0.659 per kilogram ferrous iron, a decrease of 18 percent from the current price for ferric chloride. Based on the estimated total quantities for the Robert O. Pickard Environmental Centre of 547,500 kg ferrous iron the estimated cost will be \$360,803, plus an allowance of \$25,256 for GST, bringing the total contract provision to \$386,059.

CONSULTATION

The public consultation process is not applicable.

EXPENDITURE JUSTIFICATION

The supply of Ferrous chloride is essential for the removal of phosphorous from the wastewater stream. Neglecting to remove phosphorous from the wastewater stream is in contravention of the Certificate of Approval issued by the Ministry of the Environment and Energy for the operation of the Robert O. Pickard Environmental Centre.

FINANCIAL STATEMENT

	\$
1996 Budget Request	1,606,847
Total Paid & Committed	<u>(1,421,527)</u>
Balance Available	185,320
THIS REQUEST	<u>(97,308)</u>
Balance Remaining	<u>88,012</u>

The total amount required is \$386,059, including GST. Funds in the amount of \$97,308 are available in the 1996 Operating Budget, Account Number 252-42421-5340 - Chemicals and Gases, Wastewater Treatment Branch. The remaining funds in the amount of \$288,751 represents a pre-commitment to the 1997 Operating Budget in Account Number 252-42421-5340 - Chemicals and Gases, Wastewater Treatment Branch.

*Approved by D. Brousseau
on behalf of M.J.E. Sheflin*

SH/sh

Attach. (1)

CITY OF OTTAWA SUPPLY DIVISION

*Approved by G. Elliot
Purchasing Manager, Supply Division*

FINANCE DEPARTMENT COMMENT

Funds for the 1996 portion of the contract are available as indicated. The 1997 portion represents a pre-commitment against the 1997 Budget subject to Council approval.

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

APPENDIX A

Tender 0885-70-T2/96
Supply of Ferrous Chloride

	Unit Price Tendered	Total Contract Price	Payment Terms	Canadian Content
Bidders				
Eaglebrook Environment Mississauga, Ontario	\$0.659/kg ferrous	\$527,200.00	net 30 days	100%
Eaglebrook Environment Mississauga, Ontario	\$0.882/kg ferric	\$617,400.00	net 30 days	100%
Van Waters and Rogers Ltée Lachine, Quebec	\$0.80/kg ferrous	\$640,000.00	net 30 days	100%
Van Waters and Rogers Ltée Lachine, Quebec	\$1.05/kg ferric	\$735,000.00	net 30 days	100%
General Chemical Canada		No quote		
DuPont of Canada		No quote		