

STAFF REPORT: Engineering & Public Works Department



REPORT TO: Infrastructure & Recreation Committee
MEETING DATE: June 9, 2009
REPORT NO.: EPW.09.054
SUBJECT: Emergency Purchase Report for Craigleith
Main Wastewater Pumping Station – Drive
#2 Replacement
PREPARED BY: John Caswell, Water & Wastewater
Services Manager

A. Recommendations

THAT Council receive Staff Report No. EPW.09.038 “Emergency Purchase Report for Craigleith Main Wastewater Pumping Station – Drive #2 Replacement” at a cost of \$10,970.92 for their information.

B. Background

Wastewater Staff made an emergency purchase for the purposes of replacing a drive unit for one of the pumps in the Craigleith Main Wastewater Pumping Station. The existing unit failed along with a number of electronic boards that provide the logic for running (see Attachment 1).

The drive requiring replacement (Drive #2) is a telemechanique unit which was installed in September 2000 by Schneider Canada, Cambridge Branch. On May 22, 2009, it failed on a cooling fan fault. Schneider Service Representative trouble shot the unit and found three major circuit boards had failed – inventor, line and gate driver. This unit is currently an obsolete drive. Parts are still available but with an approximate delivery time of 30 days. Also, there was still a possibility of additional failed parts that could not be determined until the first three boards were replaced.

The most likely cause of the drive failure was cooling fan malfunction causing severe overheating.

Certificate of Approval requirements demand 100% standby pumping ability at all times.

Estimated cost for replacement parts was \$800 - \$1,000 per board for a total of \$2,400 - \$3,000. Under the Purchasing of Goods and Services Policy POL.COR.07.05 Section G 14 Emergency Purchasing Procedures for emergency purchases that exceed \$10,000, department head(s) shall submit a written report to the next possible council meeting, with copies to the CAO, Treasurer and Manager of Purchasing.

The estimated cost of the replacement drive is \$10,790.92 (see Attachment 2).

C. The Blue Mountains' Strategic Plan

This report furthers the Town's Strategic Plan Goal #2 "Addressing the Town's municipal infrastructure needs".

D. Environmental Impacts

Ensuring that the Craigleith Main Wastewater Pumping Station continues effective operation is a crucial element in preventing accidental spills of untreated wastewater. These types of spills pose a significant risk to the health of both the general public and the surrounding natural environment.

E. Budget Impact

A quotation was received from Ideal Supply in the amount of \$10,263.44 plus \$707.48 for a line reactor required to complete the drive repair. A review of the budget indicates that sufficient funds exist to cover the cost of the repair.

The funding for this repair will be taken from Equipment Repairs and Maintenance which has adequate funding in 2009 for this expenditure.

F. Attached

Attachment 1 – Memorandum: FS.08.08 – Emergency Purchase, Drive Replacement at Craigleith Main Sewage Lift Station

Attachment 2 – Quotation from Ideal Supply for Drive #2 Repair

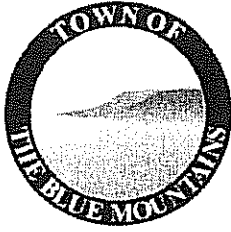
Respectfully submitted,

John Caswell
Manager , Water and Wastewater
Services

Reg Russwurm
Director, Engineering and Public Works

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MEMORANDUM



DATE: May 29, 2009
TO: *Reg* John Caswell, Manager of Water and Wastewater Services
FROM: Rob Fleming, Wastewater Overall Responsible Operator
SUBJECT: FS.08.08 – EMERGENCY PURCHASE Drive Replacement at Craigleith Main Sewage Lift Station

Purchasing of Goods and Services Procedure No. FS.08.08 Schedule G Section (1) states that when an event occurs that is determined by the Department Head to be a threat to public health, the maintenance of essential Town services, the welfare of persons or public property, the protection of the Town's physical assets, or the security of the Town's interests or financial liabilities arising from unexpected conditions, and the occurrence requires the immediate delivery of goods or services and time does not permit the Department Head to follow normal Purchasing activities to acquire such goods and services, the Manager of Purchasing or Department Head may make such purchases without bidding or tendering process, and is authorized to do so in the most expedient and economical means possible.

The following purchase was made in accordance with FS.08.08 Schedule G. In accordance with Ministry of the Environment guidelines outlined in Section 10 of the Certificate of Approval issued to the Craigleith Wastewater Treatment Plant stipulates that "in order to assure continuous compliance with the effluent criteria set out in Condition No. 11...the Owner shall ensure that at all times, the sewage works and related equipment and appurtenances which are installed or used to achieve compliance with this Certificate are properly operated and maintained."

The drive at the Craigleith Main Sewage Lift Station, originally installed in 2001 has failed. A representative from Schneider Electric was on site May 29, 2009 and determined that the drive is not repairable. As this drive is discontinued, parts are not available. We are requesting expedited approval for this purchase to ensure efficient operations.

A quotation from Ideal Supply Co. Ltd. has been received in the amount of \$10,970.92. This pricing includes Schneider Service Commissioning.

