

**STAFF REPORT:      ENGINEERING AND PUBLIC WORKS DEPARTMENT**



**REPORT TO:**                    Infrastructure and Recreation Committee  
**MEETING DATE:**            August 23 2012  
**REPORT NO.:**                 EPW.12.064  
**SUBJECT:**                    2012 Well Maintenance Program  
**PREPARED BY:**             Jeffery Fletcher, Manager of Solid Waste & Environmental Initiatives

**A.      Recommendations**

THAT Council receive Staff Report EPW.12.064, "2012 Well Maintenance Program";

AND THAT Council approve the hiring of Lantech Drilling Services to conduct well maintenance and drilling on the Landfill Site for the sum of \$11,710.00 excluding HST;

AND THAT Council approve the cost the well maintenance and drilling by Lantech Drilling Services be unfinanced within the 2012 budget and financed from the 2013 taxation year.

**B.      Background**

The 2011 Solid Waste Disposal Site Annual Report recommends the completion of maintenance work on the Landfill Site's network of monitoring wells. This work is important to ensure the integrity of ongoing monitoring and data collection. The proposed work will require the decommissioning/replacement of 3 wells and replacement of 2 wells previously decommissioned along with the associated engineering effort. This round of well maintenance will also flush an additional well to remove excess sediment.

Town Staff have worked with Golder Associates to obtain quotations from 3 recognised drilling companies. The table below summarizes the quotes acquired:

Company	Base of Operations	Cost (not incl HST)
Lantech Drilling Services	Sharon	\$11,710.00
Geo-Environmental Drilling Inc.	Halton Hills	\$11,824.95
Aardvark Drilling Inc.	Guelph	\$15,070.00

Lantech Drilling Services had the lowest quote estimate for the work to be completed and is well qualified to complete the work. Staff recommend hiring Lantech Drilling Services of Sharon for a total cost of \$11,710.00 plus HST.

Golder Associates will be completing related engineering work including field supervision, generating borehole logs and integrating that information into the understanding of the Site's hydrogeology. These new and replacement wells will be added into the well network sampling for the 2012 monitoring program.

Each well in the network serves to identify leachate flow and strength. Without this work being completed, two adjacent well locations on the border of the northern contaminate attenuation zone will be excluded from any future monitoring and a large and significant gap in data will be present. Similarly with the other well locations that require work, significant gaps in information will continue to exist until the wells are repaired. These gaps in data along the outside edge of the contaminate attenuation zone are critical to ensure the Site is maintaining compliance related to provincial water quality regulations.

The well maintenance and drilling work considered in this Report is unbudgeted for 2012, however Staff recommend that this work proceed unfinanced as it is important that a robust well network remains intact to ensure that top quality data is captured. Staff is recommending that the financial requirements of this work be pre-approved and committed to the 2013 budget. It is best practice that this work be completed as soon as practical, and if it is not accomplished in 2012 it should be done in 2013 – making the year of financing to some extent irrelevant.

### **C. The Blue Mountains' Strategic Plan**

This activity supports the goal of “addressing the Town’s municipal infrastructure needs”.

### **D. Environmental Impacts**

A contiguous well network is critical for accurate monitoring and understanding potential environmental non-compliance related to groundwater contamination from associated landfill sources.

### **E. Financial Impact**

\$11,700 unfinanced for 2012. This amount will be finance in 2013, therefore approval of this work will also be a pre-approval of this amount for the 2013 Budget.

### **F. In Consultation With**

Rob Cummings, Director of Finance

### **G. Attached**

None

Respectfully submitted,

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