

September 24, 2010

Project No. 04-1440-062

Chris Radford
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V1W3Z4

**WESTSIDE LANDFILL, WEST KELOWNA, BC
ADDENDUM TO GOLDER REPORT ON LANDFILL GAS MONITORING AND PRELIMINARY RISK
ASSESSMENT (DATED JANUARY 19, 2009)**

Dear Mr. Radford,

This letter provides an addendum to the report completed by Golder Associates Ltd (Golder) for the Regional District of Central Okanagan titled “*Landfill Gas Monitoring and Preliminary Risk Assessment, Westside Landfill, Westbank, BC*”, dated January 19, 2009 (the Report). Specifically, this addendum presents an updated conclusion based on new provincial regulations that came into effect after the Report was issued.

Background

The Report assessed potential health risks due to vapours measured in monitoring probes installed along the north and east landfill boundaries in 2007 and 2008. The vapour concentrations for the chemicals of concern were compared to the BC Ministry of Environment’s “Interim Air Concentration Criteria for Contaminated Sites” (2008). Based on the vapour test results, no risks were identified for landfill workers and future recreational users, but potential risks were identified for future residential users. However, the three chemicals identified as a potential risk were not detected by the laboratory but exceeded the draft criteria because the laboratory detection limits were not low enough.

Adjusted Vapour Standards

In 2009, the soil vapour standards became law and were included as Schedule 11 of the *Contaminated Sites Regulation* (BC Reg. 112/2010, May 1, 2010). A number of the draft criteria were subsequently adjusted when they became standards based on the analytical detection limit (Note 8 of Schedule 11; CSR). The table below lists the three chemicals identified in the Report as a potential risk, along with the new CSR standards.



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Chemical	Predicted Concentration in Indoor Air (mg/m ³)	CSR Standard – Schedule 11; Column III (mg/m ³) ¹
1,2-Dibromomethane	0.00054	0.001
1,1,2,2-Tetrachloroethane	0.0005	0.001
Trichloroethene	0.0004	0.0005

Note:

1. Column III of Schedule 11 (CSR) is for Agricultural, Urban Park, and Residential Land Use.

As shown in the table above, all three chemicals are below the current CSR standards. Consequently, it is concluded that no vapours measured in probes at the landfill boundary pose a potential health risk to future residential users outside the landfill boundary.

Closure

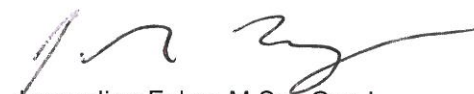
We trust the information provided herein meets your current requirements. If you have any questions or require additional information, please contact the undersigned.

Yours truly,

GOLDER ASSOCIATES LTD.



Rick Peleshytyk, P.Eng.
Associate, Environmental Engineer



Jacqueline Foley, M.Sc., Geo.L.
Associate, Senior Hydrogeologist

RP/JF/jc