



FUELS SAFETY PROGRAM

**TECHNICAL STANDARDS &
SAFETY AUTHORITY**

14th Floor, Centre Tower
3300 Bloor Street West
Toronto, ON M8X 2X4

**Environmental Assessment Requirements
to
Abandon an Underground Fuel Storage Tank in Place
or
Re-Use an Abandoned Tank**

In order for Fuels Safety Program (FSP) to consider an application for variance under the TSS Act and the applicable regulations and codes to abandon an underground fuel storage tank in-place or re-use a tank that has been abandoned, the applicant shall provide an environmental assessment report. The report shall present the analytical findings of laboratory testing for the presence of petroleum hydrocarbon compounds from a **minimum** of three “worst case” soil samples. A single “worst case” soil sample is to be collected from each of a minimum of three boreholes completed to a depth equivalent with, as a minimum, the base of each tank. In-field soil vapour analyses in conjunction with olfactory evidence should be used to direct soil sample selection for submission to a laboratory.

The soil analyses shall include, as a minimum, benzene, toluene, ethylbenzene, xylenes and petroleum hydrocarbons (PHC F1-F4). If groundwater is encountered and there is evidence of soil contamination, impact to groundwater quality shall also be considered.

The report shall be prepared by a **Qualified Person as outlined under TSSA advisory FS-050-06 dated January 3, 2006** and shall provide concise opinion with consideration of applicable provincial laws and clean-up guidelines as to whether environmental conditions are suitable for Fuels Safety Program to favourably consider the variance.

If environmental conditions around the subject tank(s) do not meet full-depth, Table 2 or 3 cleanup criteria, as applicable, FSP will not approve a variance application. In such a situation the following options are available for variance approval:

- W restoring of the environment proximal to the subject tank to applicable full-depth criteria and providing confirmation of such to FSP in the form of a technical report;
- W submission of a Record of Site Condition (RSC), if applicable, to Ministry of Environment (MOE) with a copy of the acknowledgement from MOE provided to FSP; or
- W submission of a Risk Assessment (RA) to MOE with a copy of the approval from MOE provided to FSP.

Should you have any additional questions or comments, please contact Mr. Glen Palmer at (416) 734-3446.