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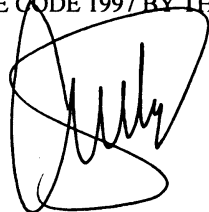
**MUNICIPAL GROUNDWATER PROJECTS AT RISK FROM
UNDERGROUND STORAGE TANK LEAKS**

Twenty-three municipal groundwater projects in Alberta are at risk of contamination in the event of an underground storage tank leak in their respective municipalities. Each groundwater project has one or more water wells completed in an aquifer which is particularly susceptible to contamination from a leaking underground storage tank because of location, hydro-geology or geology.

The following municipalities have been deemed to require a Class "A" site sensitivity classification as per Clause 4.3.8.1.(4)(d) of the Alberta Fire Code 1997.

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|----------------------------|--------------------------------|
| Village of Andrew | Village of Bon Accord |
| Town of Canmore | Village of Chauvin |
| Village of Cremona | Municipality of Crowsnest Pass |
| Village of Delburne | Town of Eckville |
| Village of Entwistle | Village of Forestburg |
| Village of Ft. Assiniboine | Town of Hardisty |
| Town of High River | Town of Killam |
| Village of Longview | Village of Lougheed |
| Town of Okotoks | Town of Oyen |
| Village of Rosalind | Village of Sedgewick |
| Town of Smoky Lake | Town of Sundre |
| Town of Turner Valley | |

ISSUE OF THIS INTERPRETATION IS
AUTHORIZED UNDER ARTICLE 1.1.4.3. OF
THE ALBERTA FIRE CODE 1997 BY THE
ADMINISTRATOR



C. M. TYE



SAFETY CODES COUNCIL



LABOUR

Underground storage tank systems shall not be installed in municipalities deemed to require protection from hydrocarbon spills unless the following requirements of the Alberta Fire Code are adhered to:

- a. The underground storage tank system is constructed and installed in conformance with Part 4 of the Alberta Fire Code,
- b. A means of secondary containment is provided. Secondary containment can include double wall piping and tanks or the use of an impervious liner,
- c. An overfill protection device is installed,
- d. A spill containment device is installed,
- e. Leak detection is installed. Leak detection can be in the form of observation wells, interstitial monitoring of double walled tanks and piping, monthly monitoring using an automatic tank gauging system, daily inventory control data that is statistically analysed by computer on a monthly basis, or other technologies that have been approved,
- f. A line leak detection device is installed on pressurized or suction piping systems,
- g. All storage tank fill pipes are equipped with liquid and vapour tight adapters and caps,
- h. Isolation valves are installed to facilitate leakage testing, and
- i. Under dispenser sumps are installed.

In addition to the previously named municipalities, Clauses 4.3.8.1.(4)(a) to (c) of the Alberta Fire Code prescribe when individual sites require a Class "A" site sensitivity classification.

The above is an overview, the Alberta Fire Code which should be referred to for complete design, installation and construction requirements.