

## On Farm Waste Oil Storage Guidelines

This document will outline the design requirements that you must incorporate into your project in order to receive funding. In Saskatchewan, all waste dangerous goods facilities are governed by *The Hazardous Substance and Dangerous Goods Regulations*. However, an exemption is given to all above ground farm storage tanks not used for commercial purposes.

These guidelines have been adapted from the Saskatchewan Environment Site Classification – Requirements for Self Contained Above Ground tanks for Petroleum Storage in consultation with a producer advisory committee.

In addition to the requirements below you are required to follow the *Mitigations Measures for Safe Storage and Handling of Petroleum Products*. These mitigations are included within the approval package.

### Canada Saskatchewan Farm Stewardship Program requirements and design standards:

1. The tank must be located at a minimum distance of 30m from any water body or well. Water bodies include wetlands, dugouts, reservoirs and watercourses. Areas with a known high water table should be avoided if possible.
2. Tanks must be equipped with secondary containment. Acceptable containment systems include: double wall tanks, containment dykes constructed from steel, concrete, earthen dyke and liner systems, or other systems which meet the following minimum requirements:
  - the containment material must be compatible with the product stored;
  - the capacity of the containment for single tanks must be a minimum of 110% of the capacity of the tank;
  - the containment must be leak tight;
  - the containment must be constructed so as to be strong enough to hold the capacity of the storage tank in the event of a leak.
3. Manually filled waste oil storage tanks should be equipped with a minimum 25 litre capacity funnel inlet with a mesh screen opening and lockable funnel inlet cover. Tanks which are not manually filled by a gravity flow system should be equipped with a high level alarm or overfill prevention system.
4. Above ground waste oil storage tanks must be ULC or CSA approved.

.....2

**Additional Considerations:**

Below is a list of project siting and design considerations that you may wish to include in the planning and construction of your facility:

- Adherence to the following separation distances:
  - 40 meters from edge of roadway;
  - 3 meters from buildings;
  - 6 meters from an ignition source;
  - 1 meter from other fuel tanks.
- Implement security measures such as an electrical pump lock out.
- Provide collision protection such as guardrails and bumper guards.
- Conduct regular visual inspections for leaks and spills.
- Tank should be placed on an impermeable base or be in a location with a synthetic or bentonite clay soil type.