



Guidelines for Mobile Pesticide Storage Facilities

A **mobile pesticide storage facility** is a compartment used for storing pesticides for any period less than 90 days. Guidelines apply to pesticide application operations that store pesticide on a vehicle or trailer (mobile or stationary) where the combined amount of pesticide in storage exceeds 10 litres (liquid) or 10 kilograms (dry).

REQUIREMENTS

Anyone who stores pesticide is responsible to take basic measures to protect human health and the environment. Pesticide must be stored:

- in a place and a manner that will not cause an adverse effect. "Adverse effect: is defined in the EPEA to mean "impairment of or damage to the environment, human health or safety or property".
- in a manner to prevent contact with or contamination of any animal, plant, food or drink.
- separately from food and "personal use items" (drugs, cosmetics, first aid and medical supplies, personal hygiene products and disposable diapers).
- away from water sources.
*Note: A pesticide stored **for any period of time** within 30 horizontal metres of an "open body of water" (lake, river, stream or irrigation canal) requires a Pesticide Special Use Approval from Alberta Environment.*
- on sites which are not subject to flooding (i.e. located to withstand a 24-hour, 1 in 25 year storm without flooding).
- protected from rain, wind and other weather hazards to ensure integrity of the product, packaging and the label.
- with open containers or packages closed or repackaged in a manner that controls odours and vapours.

Security

- all pesticide products must be protected from unauthorized access while the person responsible is away from the mobile storage facility for any period of time (this requirement can be met by either having a cabinet or compartment that can be closed and locked or by parking the mobile storage facility in a secured area).
- all pesticide concentrate containers, entirely or partially filled, must be closed to prevent odour release and secured in a manner that will prevent tipping or spilling.

- operators should manage all containers such that the risk of accidental punctures, overheating in an enclosed space, freezing, jostling, etc. are minimized and preferably preventable. Operators should be aware that some manufacturer's containers may be more susceptible to spillage with rougher transportation conditions.

Signage

- while being transported, mobile storage facilities containing any regulated pesticides must be signed with the appropriate placards as per the requirements under the *Transportation of Dangerous Goods Act* and Regulations.
- it is recommended that all mobile storage facilities, whether in transport and/or stationary, have an appropriate warning sign that is legible and bearing the words "Pesticide Storage, Authorized Persons Only – Warning in case of Fire Use Extreme Caution" or similar wording acceptable to an inspector.

Secondary Containment

- a mobile pesticide storage facility should be designed and/or located in a manner as to ensure that any release of pesticide concentrate can be contained within the boundaries of the facility.
- secondary containment in a mobile facility must be available for any amount of stored liquid pesticide concentrate in containers between 10 L and 110 L in volume.
- in order to ensure containment of any damaged pesticide containers in a mobile storage facility, the facility should accommodate the volume of the largest container plus 10% of the total pesticide (liquid) in storage as a minimum.
- secondary containment must be protected from pesticide absorption and must be:
 - a) a non-combustible material, or
 - b) combustible material, if
 - (i) constructed to act as an inner lining to an existing non-combustible material, or
 - (ii) constructed of a material designed to withstand puncture and environmental or chemical degradation.
- containers that are equal to or exceed 110 L in liquid volume are usually constructed of a material with a strength for reduced risk of puncture or some other method of breakage (prior to purchasing the operator is advised to check container integrity that has been qualified by a recognized assurance program). These containers must be secured to the mobile storage facility in a manner such that they will not move on their own while in transport. In addition, if there is any indication that spillage or leakage is evident in/on the mobile storage facility, an inspector will require secondary containment that will at minimum accommodate the volume of the largest container plus 10% of the total pesticide (liquid) in storage.

These guidelines do not apply to:

- a) pesticide that is mixed in solution and part of application equipment,
- b) pesticide concentrate that is in a closed application system (injection tank) designed, constructed and maintained to eliminate spills,
- c) pesticide concentrate on All Terrain Vehicles travelling to or during treatment of an application site and attended at all times, or
- d) a vehicle used solely to transport pesticide between point of purchase and point of storage and attended at all times.