

Information Bulletin - Environment Act Proposals for Crop Protection Chemical Warehouses – Supplementary Guidelines



These guidelines apply to Environment Act Proposals (EAPs) for crop protection chemical warehouse facilities, which are Class I Developments under *The Environment Act* (i.e. Bulk materials handling facilities), when:

1. Siting or constructing a new chemical warehouse.
2. Making alterations which include any of the following:
 - a) any site changes including addition of soil (fill), leveling, diking, or ditching;
 - b) any construction changes to building including walls, roof, doors, windows, flooring, curbing, or internal fire walls;
 - c) any changes to ventilation systems, heating systems, or electrical systems (including automatic fire/theft alarms); or
 - d) any addition of storage tanks.
3. Significant public concerns or complaints concerning existing facilities are received.

In addition to the standard information requirements of the Environment Act Proposal, the following information should be provided:

- A description of land studies and any prior government agency authorizations. In addition the site selection/site evaluation process should include the compilation of any available information on groundwater availability and quality beneath the site, the thickness of materials overlying the uppermost aquifer at the site or on adjacent properties and groundwater usage in the area (nearby wells, their depths, etc.). If the site geology or hydrogeology is poorly understood, a test drilling or borehole to a minimum of 30 feet unless bedrock or an aquifer have been encountered at shallower depths may be required;
- Scaled site plan showing:
 - a) location and identification of all structures (tanks; fences; buildings; drives; wells, etc.) within the development;
 - b) direction and distance from location of crop protection chemical storage structure(s) to nearest isolated residence; subdivision; institution; and town, city or village and highway or municipal road right-of-way;
 - c) direction and distance to any major works or structures including railways, waterways (constructed or natural), bridges, roads, etc., within 1,500 metres of the development;
 - d) access to the development with a designation of the roads used for this access; and
 - e) drainage patterns within the development and off the development and distance to and designation of receiving stream;
- A description of all products (fertilizer, pesticides, etc.) to be stored or distributed from this development;
- A description, number and total capacity of all delivery vehicles as well as estimated total traffic flows to and from the development;
- Details of security (fencing, barricades, stanchions, alarms, etc.);
- Source(s) of potable water;
- The disposal method for sanitary wastes;
- A description of any wastes generated, other than sanitary, and the disposal practices utilized;

- A complete and concise description of the method of operation;
- Hours/dates of operation;
- Identification of any gasoline or associated products;
- A description of the potential impacts of any release of product; and
- A plan for containing, handling, monitoring, storing, treating and disposing of contaminated water in the event of a response to a fire, leak or discharge. Also, a plan to prevent the contamination of surface or groundwater, and information on the measures to be taken in terms of operation and control equipment to prevent pollutant discharges to the ground, water and air.

For further information, please contact:

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