

Hazardous Waste Regulation Plans and Specifications Guideline

This guideline was developed to clarify the Section 4 plans and specifications requirement of the [Hazardous Waste Regulation](#).

The Hazardous Waste Regulation Section 4(2) states, in part:

- (1) *Before beginning the construction or installation of a hazardous waste facility, the owner shall obtain approval of any of the following that apply:*
 - (a) *plans and specifications of new works;*
 - (b) *plans for the modification of existing works;*

Plans and specifications are required for a hazardous waste facility that is required to be registered under Section 43 of the Regulation, with a BCG# or RS#. These are facilities that are not exempt under Section 48 of the Regulation because of storage quantities set out in Schedule 6.

These plans should be prepared by a BC professional engineer and should include, as applicable, drawings and dimensions that show that the facility meets the applicable requirements of Parts 2 and 3 of the Regulation. The details include, but are not limited to:

- (1) Site characteristics showing property boundaries, watercourses on-site and adjacent to the site, storm sewers, catch basins, oil-water separators, buildings, storage areas, treatment/processing areas, etc.
- (2) Confirmation that the site meets the requirements of Section 3 - Siting Standards.
- (3) Details of weather protection as required by Section 7.
- (4) Details of access security as required by Section 8.
- (5) Details of fire, explosion and accidental reaction prevention measures required by Section 9, including signs, alarms, fire suppression system, use of non-combustible materials.
- (6) Details of a spill containment system as required by Section 10, with an explanation of how this system should be tested or inspected as required by Section 12.

There are also requirements of Part 4 of the Regulation that should be considered in developing plans and specifications for the facility. The professional engineer should review the applicable divisions under Part 4 for the facility to determine the design requirements. There may be requirements for containment systems, forced-air ventilation systems, alarm systems, automatic shut-off system, overflow protection, equipment details, groundwater monitoring system and effluent sampling facilities.

The plans and specifications should be submitted to the Director at the Ministry's Regional Office with a request for approval under Section 4 of the Regulation. The professional engineer should include a statement that the plans meet the requirements of the Regulation.