

Dangerous Goods Bulk Storage and Handling Facility

Approval Date: Original Dated April 11, 2003

Alpha Chemical Limited

**Burnside Industrial Park, Dartmouth,
Nova Scotia**

Conditions for Environmental Assessment Approval

The cleaning product manufacturing and industrial chemical repackaging facility (the "Undertaking"), proposed by Alpha Chemical Limited. (the "Proponent") to be located at 60 Raddall Avenue, 66 Simmonds Drive, and 12 Borden Avenue, Burnside Industrial Park, Dartmouth, Nova Scotia is given environmental assessment approval subject to the following conditions and obtaining all other necessary approvals, permits or authorizations required by municipal, provincial and federal acts, regulations, by-laws, guidelines, policies or standards before commencing work on the Undertaking. It is the responsibility of the Proponent to ensure that all such approvals, permits or authorizations are obtained before commencing work on the Undertaking.

This environmental assessment approval is based upon the review of the conceptual design, environmental baseline information, impact predictions, and mitigation presented in the Registration Information.

1.0 General Approval

- 1.1 The Environmental Assessment Approval for the project is limited to the project as described in the registration document. Any proposal by the Proponent for expansion or modification of any aspect of the project from that proposed in the registration document must be submitted to the Environmental Assessment Branch for review and may require an environmental assessment.

2.0 Facility Operation

- 2.1 The Proponent shall provide an NSDEL approved facility abandonment plan three months prior to the permanent shut down of the new facility.
- 2.2 All floor drains and access to storm drains must be removed to the satisfaction of NSDEL.
- 2.3 If archaeological resources are uncovered during development, work in the area must stop and the proponent must contact the Director, Heritage Division, Department of Tourism and Culture.
- 2.4 Each of the three sites listed in the registration document (60 Raddall Avenue, 66 Simmonds Drive, and 12 Borden Avenue) will require a Part V approval to handle dangerous goods in accordance with the Activities Designation Regulations.
- 2.5 As part of the application for the Part V Approval under the *Environment Act*, the Proponent shall provide the following:
 - a) a detailed description of the products to be handled and manufactured and their composition
 - b) a detailed description of the method of storage for all dangerous goods
 - c) clarification of the proposed size of the containment system
 - d) detailed up-to-date Material Safety Data Sheets for all dangerous goods used at any time in each of the facilities
 - e) a detailed layout of each facility indicating the location of all dangerous goods, including the handling and manufacturing equipment
 - f) detailed procedures regarding the handling of flammable liquids, including secondary spill containment and vapours
 - g) details, specifications and drawings of all secondary spill containment structures, including details on the effective sealing of all floor drains
 - h) a detailed step-by-step description of each blending and/or packaging process, including plans that achieve the commitment to zero discharges to the environment

- i) detailed description of the air emissions to be generated and the air emission control system
- j) plans to equip the facility to the municipal fire marshal's requirements, and details as to the location of an alarm, or monitor that will indicate if explosive vapours are present in the building
- k) details of an appropriate training plan and schedule, for all employees, that includes:
 - i) WHMIS
 - ii) federal *Transportation of Dangerous Goods Act* and Regulations

3.0 Groundwater and Surface Water

- 3.1 As part of the application for the Part V Approval under the *Environment Act*, the Proponent shall provide a detailed description of water resources in the vicinity of the proposed project, the potential pathways to the water resources, and what will be done to mitigate any interactions with water resources.
- 3.2 A commitment to and details of a groundwater monitoring plan to verify that the containment systems are effective must be provided.

4.0 Contingency Plans

- 4.1 As part of the application for the Part V Approval under the *Environment Act*, the Proponent shall provide an acceptable contingency plan, for each facility, that meets NSDEL's Contingency Plan Criteria for Releases of Dangerous Goods and Hazardous Wastes, March 1990, or equivalent, that addresses accidental occurrences, including but not limited to, procedures for responding to incidents occurring during times when the facility is not staffed (e.g. evenings, weekends, holidays).
- 4.2 Personnel shall have appropriate Emergency Response Plan training to deal with emergencies.

- 4.3 All spills must be reported to NSDEL's hotline (1-800-565-1633, or as updated) for environmental emergencies.

Original Signed By

Ronald S. Russell, CD
Minister of Environment and Labour