

Environmental Assessment Approval

Approval Date: December 10, 2002

Tufts Cove #4,

Nova Scotia Power, Proponent

**Tufts Cove, Dartmouth,
Nova Scotia**

Tufts Cove #4 (the “Undertaking”), proposed by Nova Scotia Power Incorporated (the “Proponent”), Tufts Cove, Dartmouth is approved pursuant to Section 13(1)(b). This Approval is 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.

Terms and Conditions for Environmental Assessment Approval

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, modification or relocation 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.
- 1.2 The Proponent shall within 2 years of the date of issuance of this approval commence work on the undertaking unless granted a written extension by the Minister.
- 1.3 The Proponent shall not transfer, sell, lease, assign or otherwise dispose of this approval without the written consent of the Minister.

2.0 Air Quality

- 2.1 The Proponent, as a part of any application for amendments to the Industrial Approval, shall provide NSDEL's Regional or District Manager, Central Region, for review information on the following:
- a) an air quality and reporting program that includes the LM6000 addition to the Tufts Cove facility and details of a plan to mitigate emissions exceeding *Air Quality Regulations* of the Province of Nova Scotia, should air quality monitoring show these are occurring
 - b) an air quality monitoring and reporting program to ensure that the LM6000 is meeting the *National Emission Guidelines for Stationary Combustion Turbines* of the Canadian Council of Ministers of the Environment.

3.0 Noise

- 3.1 The Proponent shall provide NSDEL's Regional or District Manager, Central Region, with a Noise Management Plan that includes details regarding noise monitoring and noise mitigation, for review and approval, prior to operation.

4.0 Facility Development and Operation

- 4.1 The Proponent shall use natural gas only in Tufts Cove #4, unless otherwise approved by NSDEL.
- 4.2 In the event that impacted soils are encountered, the Proponent shall comply with the NSDEL "Guidelines For the Management of Contaminated Sites in Nova Scotia."
- 4.3 The Proponent, as a part of any application for amendments to the Industrial Approval, shall provide NSDEL's Regional or District Manager, Central Region, with a site-specific Environmental Management Plan for review, prior to construction. This plan shall include, but not be limited to, the following information:
- a) the disposal of hazardous and non-hazardous waste from the site
 - b) the recycling and re-use of material where practicable
 - c) the prevention, clean up, including transportation of materials, and reporting of environmental releases
 - d) proper vehicle and equipment cleaning, re-fuelling and maintenance
 - e) procedures for managing the excavation of materials, under all conditions
 - f) details on the disposal of filtration sludges and different types of solid waste resulting from the water treatment plant

- g) maintenance activities on the LM6000, water treatment plant and natural gas compressor and the associated potential environmental impacts
- h) a commitment to provide copies of all effluent monitoring data which is required for submission to the HRM
- i) details of a program to monitor wastewater quality. Identify sources of wastewater, the frequency of monitoring, location and number of monitoring sites, parameters to be monitored, and the duration of monitoring must be approved by the NSDEL
- j) details of a plan to mitigate discharges affecting wastewater quality, or other impacts, should water monitoring show these are occurring.

4.4 The Proponent, as a part of any application for amendments to the Industrial Approval, shall provide NSDEL's Regional or District Manager, Central Region, detailed information of the water treatment plant expansion and the environmental issues associated with its construction and operation, for review, prior to construction. This information shall include, but not be limited to, the following:

details of the water treatment plant expansion and the environmental issues associated with its construction and operation, including: the overall size of the treatment plant expansion; a description of the type of treatment used to demineralize the raw water; the total volume of water the plant will utilize in litres per minute and litres per day; the source of the raw water utilized by the plant; the concentration of minerals found in the wastewater discharge; temperature of the discharge effluent and the specific location of discharge.

5.0 Public Consultation

5.1 The Proponent shall have in place procedures to address complaints associated with the Facility. Records of these complaints and associated actions shall be made available to NSDEL's Regional or District Manager, Central Region, upon request.

6.0 Archaeological and Cultural Resources

6.1 The Proponent shall arrange for an archaeologist to review information on the infilling at the site to determine if the historic ground surface will be impacted by the planned construction, and to file a report with the Nova Scotia Museum. If the Nova Scotia Museum determines that it is likely that an impact will occur then the Proponent shall arrange for an archaeological assessment, through either monitoring or archaeological testing or some combination of the two approaches, to the satisfaction of the Nova Scotia Museum.

7.0 Decommissioning and Reclamation

- 7.1 The Proponent shall provide the Regional or District Manager, Central Region, NSDEL with a finalized abandonment plan three months prior to the permanent shut down of the undertaking.

8.0 Contingency Plan

- 8.1 As part of the application for amendment of the Part V Approval, the Proponent shall submit to NSDEL's Regional Manager, or District Manager, Central Region, a written contingency plan which shall include, but not be limited to, contingencies for storage and potential spills of dangerous goods during the construction and operation of the undertaking.

- Original signed by -

Minister of Environment and Labour