

**Registration Pursuant to Section 7 of *The Environmental Assessment Act*
For the Proposed Construction of a Polychlorinated Biphenyl (PCB) Storage Facility in
Happy Valley-Goose Bay, Labrador**

PROPONENT:

- (i) Name of Corporate Body:
Newfoundland and Labrador Hydro (Hydro)
- (ii) Address:
P. O. Box 12400
Hydro Place, 2 Captain Whelan Drive,
St. John's, Newfoundland
A1B 4K7
- (iii) Chief Executive Officer:
Name: William E. Wells
Official Title: President & Chief Executive Officer
Telephone No: (709) 737-1291
- (iv) Principal Contact Person for Purposes of Environmental Assessment:
Name: Trent L. Carter
Official Title: Ecologist, Environmental Services & Properties Dept.
Telephone No: (709) 737-7806

THE UNDERTAKING:

- (i) Name of the Undertaking:

Construction of a Polychlorinated Biphenyl (PCB) Storage Facility in Happy Valley-Goose Bay, Labrador.
- (ii) Nature of the Undertaking:

Installation of a pre-engineered, pre-assembled storage building for PCB contaminated electrical equipment, transformer oil, and associated waste materials.
- (iii) Purpose/Rationale/Need for the Undertaking:

The facility will accommodate PCB contaminated electrical equipment and transformer oil that has been removed from service in Hydro's Transmission and Rural Operations (Labrador) operating area. There is presently no PCB storage facility in the area that can accommodate such materials.

DESCRIPTION OF THE UNDERTAKING:**(i) Geographic Location:****(a) Proposed Location:**

The proposed PCB storage facility will be located in the existing storage yard at the North Side Diesel Generating Station, located in the community of Happy Valley-Goose Bay, Labrador. The property is presently owned and operated by Hydro. A 1:50,000 and 1:2500 scale location drawing is provided in Appendix A.

(ii) Physical Features:**(a) Storage Facility:**

The storage facility will be a new pre-engineered, pre-assembled metal building measuring approximately 3.8 metres long, 3.1 metres wide, and 2.8 metres high. The building will be supported on a concrete foundation and have a secondary-containment system incorporated into its design.

A site drawing and photos is provided in Appendix B.

(b) Site Access:

Access to the property is restricted via a chain link fence, complete with lockable gate. No new access routes will be required.

(iii) Construction:**(a) Construction Schedule:**

The installation and commissioning of the facility will occur in October 2002. Installation is anticipated to take approximately one week to complete. The facility will start receiving materials as soon as the installation is complete.

(b) Potential Sources of Pollutants:

The potential sources of pollutants during the constructions period would be noise pollution, air pollution, and hydrocarbon leakage from construction equipment.

All equipment will be inspected routinely to ensure that no hydrocarbon leaks occur. Any spill incidents or leaks will be addressed in accordance with the site's Environmental Emergency Response Plan (EERP).

(c) Potential Resource Conflicts:

No resource conflicts are anticipated.

(iv) Operation:

It is anticipated that the storage facility will be required for a period of 25 years or until all PCB containing electrical equipment in the Labrador area has been removed from service. PCB contaminated electrical equipment, transformer oil, and associated waste materials will be stored at the facility until they can be transported to an approved PCB destruction and decontamination facility.

(a) Inspection and Maintenance Activities:

The site will be inspected by trained Hydro personnel at a minimum to the requirements of the Storage of PCB Wastes Regulations under the Newfoundland and Labrador Waste Material Disposal Act, and the Storage of PCB Material Regulations under the Canadian Environmental Protection Act. All PCB containing equipment and containers will be inspected, along with the facilities secondary-containment system, fire protection system and security fencing.

Any damaged or leaking equipment and/or containers will be replaced immediately. All site maintenance will be conducted as required.

(b) Potential Sources of Pollutants:

The only potential sources of pollutants from the facility would be the leakage of PCB contaminated transformer oil. The facility will have a secondary-containment system incorporated into its design to contain any spills or leaks.

The storage facility will be inspected monthly to ensure that no leaks have occurred. Any spill incidents or leaks will be addressed in accordance with the site's Environmental Emergency Response Plan (EERP).

(c) Potential Resource Conflicts:

No resource conflicts are anticipated.

(v) Occupations:

The occupations required to construct this undertaking are:

- (a) Manager, electrical power system;
- (b) Storekeeper;
- (c) Technologist, engineering design;
- (d) Inspector, hazardous waste, environmental health;
- (e) Electrician, electric power system;
- (f) Lineman/woman, electrical power system;
- (g) Lineman/woman, trainee, electric power system;
- (h) Maintenance welder;
- (i) Maintenance mechanic, utilities;
- (j) Maintenance utility worker; and
- (k) Laborer, electric power system.

APPROVAL OF THE UNDERTAKING:

The following is a list of permits, approvals and authorizations which may be necessary for the proposed project:

- (a) Release of the Undertaking under the Environmental Assessment Act – Department of Environment;
- (b) Building Permits – Town of Happy Valley-Goose Bay;
- (c) Waste Management Approval under the Waste Material Disposal Act, - Department of Government Services and Lands.

SCHEDULE:

Construction could commence immediately after the arrival of the pre-engineered, pre-assembled storage facility and the acquisition of appropriate permits and approvals. It is anticipated that the installation of the facility will commence in October 2002.

FUNDING:

The project will be funded under Hydro's Capital Budget as approved by The Public Utilities Board.

Date

William E. Wells
President and
Chief Executive Officer