

1 Q. **Project C-35, Upgrade Circuit Breakers**

2 Provide a copy of the extension granted to Hydro in 2010 allowing Hydro until
3 December 31, 2014 to remove all sealed equipment containing PCBs greater than
4 500mg/kg.

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7 A. Please see IC-NLH-26 Attachment 1.



Newfoundland and Labrador Hydro, a Nalcor Energy Company
P.O. Box 2002
Bishop's Falls, Newfoundland, Canada A0H 1C0

23 August 2010 / 23 août 2010

EXTENSION OF DECEMBER 31, 2009 END-OF-USE DATE FOR EQUIPMENT AND LIQUIDS CONTAINING PCBs Granted Under Subsection 17(2) of the *PCB Regulations*

PROLONGATION DE LA DATE DE FIN D'UTILISATION DU 31 DÉCEMBRE 2009 POUR DES PIÈCES D'ÉQUIPEMENT ET DES LIQUIDES QUI CONTIENNENT DES BPC Accordée en vertu du paragraphe 17(2) du *Règlement sur les BPC*

File Number / No. de dossier : 09/061.1/EXT

The Department of the Environment grants Newfoundland and Labrador Hydro, Bishop's Falls, the extension requested in its application. The end-of-use date of the equipment and liquids used for their servicing described below is extended from December 31, 2009 to the dates indicated in the table below.

Le ministère de l'Environnement accorde à Newfoundland and Labrador Hydro, Bishop's Falls, la prolongation exigée dans sa demande. La date de fin d'utilisation des pièces d'équipement et des liquides nécessaires à leur entretien décrits ci-dessous est reportée du 31 décembre 2009 aux dates indiquées au tableau ci-dessous.

This extension is granted in accordance with subsection 17(2) of the *PCB Regulations*. The condition specified in subparagraph 17(2)(a)(i) of the Regulations and referred to in the application is met.

Cette prolongation est accordée en vertu du paragraphe 17(2) du *Règlement sur les BPC*. La condition énoncée au sous-alinéa 17(2)a)(i) du Règlement et invoquée dans la demande est remplie.

Number of pieces of equipment / Nombre de pièces d'équipement	Extension date/Date de prolongation
37 (24 transformers bushings in service, 4 current transformers in service, 9 potential transformers in service)	31 December 2010
34 (21 transformers bushings in service, 6 current transformers in service, 7 potential transformers in service)	31 December 2011



31 (18 transformers bushings in service, 5 current transformers in service, 8 potential transformers in service)	31 December 2012
48 (28 transformers bushings in service, 6 current transformers in service, 14 potential transformers in service)	31 December 2013
1,067 (551 transformers bushings in service, 276 breaker bushings in service, 122 current transformers in service, 118 potential transformers in service)	31 December 2014
Total – 1,217	

**Condition referred to in the application for an extension /
Condition invoquée dans la demande de prolongation**

The equipment is being replaced with equipment that is engineered to order, and it is not technically feasible to replace the equipment on or before December 31, 2009.

La pièce d'équipement doit être remplacée par une pièce d'équipement conçue et fabriquée sur mesure et il est techniquement impossible de le faire le 31 décembre 2009 ou avant cette date.

**Applicant and person authorized to act on applicant's behalf
Demandeur et personne autorisée à agir en son nom**

Applicant/ Demandeur, 17(3)(a)

Newfoundland and Labrador Hydro, a Nalcor Energy Company
P.O. Box 2002
Bishop's Falls, Newfoundland, Canada A0H 1C0

Person authorized to act on applicant's behalf/ Personne autorisée à agir au nom du demandeur, 17(3)(a)

Facility/Technical Contact:
Hughie Ireland, P.Eng
Manager Generation and Terminals.
TRO Central
Tel: (709) 258-2367
Fax: (709) 258-2346
Email: hireland@nlh.nl.ca

Owner of equipment containing PCBs/ Propriétaire des pièces d'équipement contenant des BPC, 17(1)

Same as applicant above.



**Description and location of equipment and liquids needed for their servicing /
Description et emplacement des pièces d'équipement et des liquides nécessaires à
leur entretien**

**See attached list of equipment for details, this list is part of the authorization / Voir la
liste des pièces d'équipements annexée pour le détail, cette liste fait partie intégrante de
l'autorisation**

Type and function of the equipment/ Type et fonction de l'équipement, 17(3)(b)(i): 1,217 pieces of equipment in service at the utility Transmission and Rural Operations Terminal Stations and potentially containing PCBs in a concentration greater than 500 mg/kg as manufactured in 1985 or earlier. Details indicated in attached Tables for: 642 power transformer bushings in service in Table 1, 276 breaker bushings in service (oil circuit breaker bushings) indicated in Table 2, 143 current transformers in service indicated in Table 3, and 156 potential transformers in service indicated in Table 4.

Quantity of liquid (litres) containing PCBs in the equipment/ Quantité de liquide (litres) contenant des BPC dans la pièce d'équipement, 17(3)(b)(ii): An estimated total of 23,805 Litres of liquid for all 1,217 pieces of equipment. See Tables attached for details on each piece of equipment.

Quantity of liquid (litres) containing PCBs needed for its servicing/ Quantité de liquide (litres) contenant des BPC nécessaire à son entretien, 17(3)(b)(ii): No additional liquids are kept for the purpose of servicing the working equipment.

Concentration of PCBs (mg/kg) in the liquid/ Concentration de BPC (mg/kg) dans le liquide, 17(3)(b)(iii): Estimated average PCB concentration of 550 mg/kg is used for all 1,217 pieces of equipment.

Quantity of PCBs (kg) in the liquid/ Quantité de BPC (kg) dans le liquide/, 17(3)(b)(iv): An estimated total of 11,783.48 kg of PCBs in the liquid for all 1,217 pieces of equipment. See attached Tables for details on each piece of equipment.

Name-plate description, manufacturer's serial number/ Plaque d'identification et numéro de série, 17(3)(b)(v) : See attached Tables for details on each piece of equipment.

Unique identification number on the label required under section 29/ Numéro d'identification unique sur l'étiquette conformément à l'article 29, 17(3)(c) : Labels will be placed on equipment listed in attached tables once they are tested and confirmed to contain PCBs in a concentration greater than 500 mg/kg.

Place where the equipment is located/ Endroit où se trouve la pièce d'équipement, 17(3)(d): The equipment is located outdoors at Transmission and Rural Operations (TRO) Terminal Stations indicated in attached Tables. All of the stations are locked and fenced. There



is no specific address for the stations in which the equipment is located. Newfoundland and Labrador Hydro's site identification system is used for the identification of their location.

Information demonstrating that it is not technically feasible to replace the equipment with equipment that is engineered to order on or before December 31, 2009/ Renseignements qui établissent qu'il est techniquement impossible de remplacer la pièce d'équipement conçue et fabriquée sur mesure le 31 décembre 2009 ou avant cette date, 17(3)(e): The information provided in the application for an extension in accordance with this section indicate that the applicant is meeting the condition specified in subparagraph 17(2)a)(i).

Necessary measures taken to minimize or eliminate any harmful effect of the PCBs that are contained in the equipment on the environment and human health/ Mesures nécessaires prises pour éliminer ou atténuer tout effet nocif des BPC contenus dans la pièce d'équipement sur l'environnement et la santé humaine, 17(3)(f): The measures are indicated in the application for an extension.

Plan for ending the use of equipment by the end of the extension along with timelines/ Plan et échéancier mis en oeuvre afin que l'utilisation de la pièce d'équipement cesse à la fin de la prolongation, 17(3)(g): Provided in the application for an extension. The equipment will be removed by the specific end-of-use dates indicated in the attached Tables.

Plan for inspecting equipment/ Plan d'inspection de la pièce d'équipement, 17(3)(h): Monthly inspections will be conducted for the period of the extension for damage that could lead to the release of PCBs for equipment confirmed to contain PCBs in a concentration greater than 500 mg/kg.

Please take note that it is your responsibility as the owner or the person who controls or possesses the equipment and liquids containing PCBs to ensure that the requirements set out in the *PCB Regulations* made pursuant to CEPA 1999 are complied with at all time.

Veillez noter qu'en tant que propriétaire ou personne qui contrôle ou possède les pièces d'équipement et des liquides contenant des BPC il vous incombe de veiller à ce que les exigences établies dans le *Règlement sur les BPC* et dans la LCPE (1999) soient remplies en tout temps.



Signed for and on behalf of the Minister of the Environment /
Signé au nom du ministre de l'Environnement

Tim Gardiner
Director / Directeur

Waste Reduction & Management / Réduction et gestion des déchets
Public and Resources Sectors / Secteurs publics et des ressources
Environment Canada / Environnement Canada



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Canada

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