



**WUSKWATIM**  
Power Limited Partnership

2015 06 03

Mr. Bruce Gray  
Assistant Deputy Minister  
Water Stewardship and Biodiversity Division  
Manitoba Conservation and Water Stewardship  
Box 80, 200 Saulteaux Crescent  
Winnipeg MB R3J 3W3

Dear Mr. Gray:

**RE: WUSKWATIM GENERATING STATION WATER POWER ACT LICENCE**

5022649 Manitoba Ltd. hereby requests a Final Licence for Wuskwatim Generating Station under the provisions of Water Power Regulation being Manitoba Regulation 25/88R. Subsection 43(1) of this Regulation and condition 7.1 of the Interim Licence provide for the issuance of a Final Licence upon completion of the project and observance of the Interim Licence conditions.

The Wuskwatim Generating Station was constructed under the authority of an Interim Water Power Act Licence issued to 5022649 Manitoba Ltd. on behalf of the Wuskwatim Power Limited Partnership (WPLP) on July 10, 2006. WPLP is a legal entity involving Nisichawayasihk Cree Nation (NCN) and Manitoba Hydro. Manitoba Hydro operates the station as part of the Manitoba power grid on behalf of WPLP.

Completion of the Wuskwatim project occurred on October 6, 2012 with the commissioning and release of the final generating unit for commercial use. On behalf of WPLP, Manitoba Hydro has been operating the Wuskwatim Generating Station in accordance with the Interim Licence and has fulfilled all the requirements necessary for the issuance of a Final Licence.

The Wuskwatim Generating Station is not only the first in Manitoba to be constructed in partnership with a First Nation, but also the first in Manitoba to have undergone comprehensive federal and provincial regulatory reviews resulting in Section 35 consultation under the Constitution Act, and an Environmental Act licence. In addition to these processes, Manitoba Hydro and NCN developed a Public Involvement Plan (PIP) which included open houses, newsletters, workshops, meetings with resources users, and negotiations with community leaders and stakeholders. The PIP was implemented between 2001 and 2004 and overlapped the federal-provincial Section 35 consultation process between 2003 and 2005, and the Clean Environment Commission's (CEC) public hearing process from 2003 to 2004.

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The CEC public hearing involved twelve participants as well as the public. All required federal and provincial authorizations for the Wuskwatim Generating Station were issued prior to project construction in 2006.

NCN and Manitoba Hydro worked together in planning the Wuskwatim Generating Station. This included negotiating key aspects such as choice of a low head design for the generating station, joint selection of an Environmental Management Team to undertake an Environmental Impact Assessment, design, implementation and review of environmental impact assessment studies, as well as development and implementation of the joint PIP. Consultations with NCN members have occurred on all aspects of the project located within the Nelson House Resource Management Area (RMA), including assessment of alternative road and construction camp locations and those portions of the transmission lines located principally within the Nelson House RMA. NCN members have played key roles in gathering field information and providing Aboriginal Traditional Knowledge to the studies conducted for the project.

WPLP established the Monitoring Advisory Committee (MAC) consisting of representatives from Manitoba Hydro and NCN to provide NCN with an additional opportunity to receive project related monitoring information and to provide input into monitoring activities. The committee commenced its bi-monthly meetings in the fall of 2006 and is currently meeting quarterly. The committee will continue to oversee monitoring and assessment of environmental impacts for the duration of the project's life. Thus far, environmental monitoring has confirmed no unanticipated environmental effects during project construction with monitoring of the operations phase still continuing. Project rehabilitation plans are near completion and aquatic mitigation works are completed and are being monitored for ongoing success.

The attached document provides additional information pursuant to Sections 44 and 45 of Water Power Regulation 25/88R. A detailed report in support of request for a final licence will be prepared in consultation with the Water Use Licensing section and submitted at a later time. This report will provide details regarding compliance with the terms and conditions of the interim licence and the Water Power Regulation to assist the minister responsible for the Water Power Act.

Should you have any inquires on this matter or additional process requirements, please contact Wes Penner, Manager, Hydraulic Operations Department at 204-360-3018.

Yours truly,

***Original signed by Lorne Midford***

Lorne Midford

Chair of the General Partner of Wuskwatim Power Limited Partnership  
5022649 Manitoba Ltd.

LEM/jr

Att.



**REQUEST BY 5022649 MANITOBA LTD. FOR A FINAL LICENCE UNDER  
THE WATER POWER ACT  
FOR THE DEVELOPMENT OF WATER POWER  
AT THE WUSKWATIM SITE, BURNTWOOD RIVER**

**June 2015**

**SUBMITTED TO:  
WATER STEWARDSHIP AND BIODIVERSITY DIVISION  
MANITOBA CONSERVATION & WATER STEWARDSHIP**

5022649 Manitoba Ltd. on behalf of Wuskwatim Power Limited Partnership (WPLP) hereby requests a Final Licence for the development of water power at the Wuskwatim site on the Burntwood River. This request is made under the provision of Section 43(1) of Water Power Regulation 25/88R. This section in part states, “Upon the completion of the initial development ...the interim licensee shall be entitled to a final licence...” The initial development was completed on June 22<sup>nd</sup>, 2012 with the first of three units being placed into commercial service. The undertaking was completed on October 6, 2012.

The Wuskwatim Generating Station includes a reinforced concrete powerhouse and intake structure, a reinforced concrete spillway, a main earth dam and non-overflow dam, north dyke, transition structures, and all necessary machinery and equipment for the development, generation, transformation and transmission of electric power for industrial and general purposes.

The following information is requested under the provisions of Sections 44 and 45 of the Water Power Regulation 25/88R. The particular subsections are noted in italic parenthesis.

**a. Name and address of licensee: (44 (a)(i))**

5022649 Manitoba Ltd. on behalf of Wuskwatim Power Limited Partnership  
360 Portage Avenue  
Winnipeg, Manitoba  
R3C 0G8

**b. Name and location of power site: (44 (a)(ii))**

The name of the power site is known as the Wuskwatim Generating Station. The project generates electricity using the waters of the Burntwood River.

**c. Interim Licence authorizing the undertaking: (44 (a)(iii))**

The interim licence authorizing the existing works is dated July 10, 2006 and is identified as the “Interim Licence for the Development of Water Power Wuskwatim Site, Burntwood River”.

**d. Observance of conditions: (44 (a)(iii))**

5022649 Manitoba Ltd. submits that it has observed and fulfilled all the requirements necessary for the issuance of a Final Licence. A report will be prepared to support this statement.

**e. The maximum flow or quantity of water which may be diverted (44 (b))**

The maximum flow or quantity of water diverted for generation is 1,100 cms or 38,800 cfs.

**f. Maximum Permissible Storage (44 (b))**

The maximum permissible storage of water as stated in Article 4.2 of the Interim Licence is 234.0 meters ASL (approximately 767.7 feet), as measured on Wuskwatim Lake, except with prior written permission of the Minister. Detailed interpretation

and compliance with the maximum permissible water level is defined in Section 4.1 of the Wuskwatim Generating Station Licence Implementation Guide for Water Levels 2007, prepared in accordance with Article 10.2 of the Interim Licence and reviewed and accepted by Manitoba Conservation and Water Stewardship in November 2013.

**g. Position and Extent of Works: (44 (c))**

Lands of the Province required for entering, occupation, maintenance and operation of the undertaking are broadly described as located along the Burntwood River, from Early Morning Rapids to approximately 2.5 km downstream of Taskinigup Falls.

**h. Place of Diversion (44 (c)(i))**

Water is impounded above, and diverted and used at this hydro-electric station on the Burntwood River located at approximately latitude 55°32'29'' and longitude 98°30'14'', Section 33, Township 75, Range 7 West of the Principal meridian. The water is returned at the same place within the natural river channel.

**i. Principal Works (44 (c)(ii))**

- 1) A reinforced concrete Powerhouse containing three (3) turbines and generators, intake structure with south transition structure and a service bay for hydro-electric generation purposes. The powerhouse capacity is 209.1 MW or about 280,400 HP.
- 2) A reinforced concrete overflow Spillway with three (3) gates located on the north side of the Powerhouse between the North Dyke and the concrete Non-Overflow Dam.
- 3) Connecting the north end of the spillway and the north bank of the river is the North Dyke. The North Dyke is a zoned earth and rockfill embankment which also provides a storage area for the Spillway stoplogs.
- 4) The Main Dam connects the south end of the Powerhouse and the south bank of the river. The main dam is a zoned earth and rockfill embankment.
- 5) A concrete Non-Overflow Dam links the powerhouse and the spillway and provides access from the North Dyke to the crest of the Main Dam.
- 6) The Excavated Materials Placement Area located on the north river bank between Wuskwatim Lake and Wuskwatim Generating Station, consists of excavated earthfill material from construction activities, and acts together with the above works to contain the immediate forebay area.
- 7) Channel excavations at the outlet of Wuskwatim Lake have improved the lake's outflow conditions and increased the station's efficiency.

- j. Description of Lands Required:** *(44 (d))*  
The lands required will be shown on plans submitted under separate cover.
- k. Use of Undertaking:** *(44 (e))*  
The purpose of the project is to generate electricity for domestic power requirements and export market opportunities.
- l. Rentals:** *(44 (f))*  
Water rentals have been paid in accordance with Section 48 of the Regulation. WPLP owns the lands required for the project and therefore land rental payments are not required.
- m. Severance line:** *(44 (g))*  
The severance line will be determined by mutual agreement in accordance with Section 44 (g) of the Regulation.
- n. Term of Licence:** *(45 (1))*  
5022649 Manitoba Ltd. requests that the term of this Final Licence be 50 years, as permitted under Article 7.2 (f) of the Interim Licence, and Section 45 of the Regulation. This would result in a Final Licence expiration date of June 22, 2062.