

**LAKE WINNIPEG REGULATION AND
JENPEG GENERATING STATION**

The table below details some of the common issues expressed by Indigenous communities with corresponding conditions required for Manitoba Hydro to address those concerns.

- The new licensing conditions stipulated in the Lake Winnipeg Regulation (LWR) and Jenpeg Generating Station (Jenpeg) are to address concerns.
- The Licence Cover Letter contains additional conditions that require Manitoba Hydro to take more immediate steps to address issues.
- Licensing and non-licensing conditions impose new conditions or direct Manitoba Hydro to continue mitigation activities already underway.

Issue	New Conditions to Further Address Issues
<p>Water Level Fluctuations: Communities highlighted issues with water level changes due to Lake Winnipeg Regulation/Jenpeg Generating Station and communicated that there are impacts to health and safety, traditional land use, and recreation.</p> <p>Communities proposed that the Water Power licences be changed to include better environmental protection and flexibility in the regulation of the maximum upper water level. Operating rules should be developed in consultation with communities to consider impacts to traditional use of the land.</p>	<p>New Final Licence Terms: 7.7 LWR / 7.5 Jenpeg The Licensee shall participate in future planning, studies and other initiatives as instructed by the Minister, in areas impacted by the Undertaking along with affected communities and other stakeholders.</p> <p>7.10 LWR / 7.8 Jenpeg The Licensee shall submit an annual report to the Director documenting the Licensee’s engagement with Indigenous communities on the continued operation of the Undertaking.</p> <p>7.11 LWR / 7.9 Jenpeg The Licensee shall, to the satisfaction of the Minister, prepare a licence implementation guide, within one year of the date of this Final Licence.</p> <p>The License Cover Letter contains the following conditions: The Licensee shall participate in the future licence modernization processes directed by the Province of Manitoba. The Province intends to evaluate The Water Power Act and Regulation to determine what amendments may be required for modernization.</p> <p>The Licensee shall participate in any future large area planning initiative that may include studies in areas impacted by hydroelectric development along with affected communities with other stakeholders.</p>

<p>Shoreline Erosion: Communities detailed impacts around shoreline erosion and related issues with water quality; access to shorelines; loss of land; fish, wildlife, and vegetation communities; boat safety; and loss of recreation.</p> <p>Communities proposed provisions in the Water Power Act licences to apply adequate resources to monitoring programs to attempt to better understand and mitigate these effects.</p>	<p>New Final Licence Term: 7.8 LWR / 7.6 Jenpeg The Licensee shall, to the satisfaction of the Minister, continue to participate in a system-wide monitoring program in the lands and waters that are affected by the Undertaking, including Indigenous community participation and Indigenous traditional knowledge.</p> <p>The License Cover Letter contains the following condition: The Licensee shall work with Manitoba to expand the Coordinated Aquatics Monitoring Program to other areas including shoreline erosion, shoreline wetland issues (such as traditional plants, medicines and waterfowl) and monitoring of terrestrial and riparian components and shoreline health downstream of Lake Winnipeg with the inclusion of Indigenous community participation and Indigenous traditional knowledge.</p>
<p>Shoreline Debris Accumulation: Communities expressed concerns that Manitoba Hydro operations cause debris accumulation on shorelines and related impacts to water quality; transportation/navigation, access to lakes and shorelines; and wildlife.</p>	<p>New Final Licence Term: 7.9 LWR / 7.7 Jenpeg The Licensee shall, to the satisfaction of the Minister, continue to implement a public safety and debris management program in lands and waters within the Severance Line, and report annually to the Director.</p>
<p>Declining Water Quality: Communities expressed that Manitoba Hydro's operations cause issues with water quality within the lakes and rivers connected to LWR/Jenpeg, including silt in the water (reducing the oxygen in water); algae blooms; and illness and skin conditions in people.</p> <p>Mercury levels also increased due to the flooding following the LWR/Jenpeg projects, which impacts fish species and commercial fishing.</p>	<p>The License Cover Letter contains the following condition: The Licensee shall continue to monitor and evaluate water quality, including toxicology and methylmercury (MeHg) in fish.</p> <p>New Final Licence Term: 7.8 LWR / 7.6 Jenpeg The Licensee shall, to the satisfaction of the Minister, continue to participate in a system-wide monitoring program in the lands and waters that are affected by the Undertaking, including Indigenous community participation and Indigenous traditional knowledge.</p>

<p>State of Local Fisheries: Communities voiced that there have been negative impacts on the local fishery. Concerns were focused on the commercial fishery as well as access to fish (sturgeon/whitefish), mussels and water plants for sustenance and to pursue in traditional activities. Communities also expressed concerns about reduced spawning because pathways, reefs and islands have been affected by debris, flooding and erosion.</p> <p>Communities proposed that an expanded commitment to fish and wildlife research and monitoring with committed resources and increased Indigenous participation should be included in the final licences.</p>	<p>New Final Licence Term: 7.8 LWR / 7.6 Jenpeg The Licensee shall, to the satisfaction of the Minister, continue to participate in a system-wide monitoring program in the lands and waters that are affected by the Undertaking, including Indigenous community participation and Indigenous traditional knowledge.</p> <p>The License Cover Letter contains the following condition: The Licensee shall work with Manitoba to expand the Coordinated Aquatics Monitoring Program to other areas including erosion, shoreline wetland issues (such as traditional plants, medicines and waterfowl) and monitoring of terrestrial and riparian components and shoreline health with the inclusion of Indigenous community participation and Indigenous traditional knowledge.</p>
<p>Disappearing wetlands, traditional plants and medicine: Communities highlighted the disappearance of a considerable proportion of the shoreline wetlands, including marsh and riparian peatlands (e.g. Netley-Libau Marsh), and disappearance of traditional plants and medicines, as a result of hydroelectric development.</p> <p>Wildlife populations (e.g. moose, waterfowl, muskrat or beaver) that rely on shoreline areas have been affected in many areas due to the loss or alteration of shoreline habitat. This shift generally resulted in fewer animals available to local hunters using waterways for access to their traditional hunting grounds.</p>	<p>New Final Licence Terms: 7.8 LWR / 7.6 Jenpeg The Licensee shall, to the satisfaction of the Minister, continue to participate in a system-wide monitoring program in the lands and waters that are affected by the Undertaking, including Indigenous community participation and Indigenous traditional knowledge.</p> <p>7.10 LWR / 7.8 Jenpeg The Licensee shall, to the satisfaction of the Minister, submit an Indigenous engagement report to the Director within 12 months after the issuance of this licence, and annually thereafter.</p> <p>The License Cover Letter contains the following condition: The Licensee shall work with Manitoba to expand the Coordinated Aquatics Monitoring Program to other areas including erosion, shoreline wetland issues (such as traditional plants, medicines and waterfowl) and monitoring of terrestrial and riparian components and shoreline health with the inclusion of Indigenous community participation and Indigenous traditional knowledge.</p>