



Health, Safety, & Environment, 4 Capital Drive, Hay River, NT, X0E 1G2

March, 2021

MV2019L1-0001

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Jackfish Water Licence MV2019L1-0001- Submission Dates Extension Request- March 2021

Hello Tyree and Heather,

The Jackfish Lake Generating Facility- Operations Maintenance and Surveillance Manual is attached. NTPC committed to the MVLWB to submit this on February 26, 2021. Initially this updated version was meant to incorporate the updated monitoring equipment but given that this equipment is not fully installed and/or commissioned this is the same version of the OMS Manual that was submitted and revised as part of the water licence renewal process. NTPC will resubmit an updated version by December 31, 2021 that will have the updated equipment present once it has been successfully commissioned.

NTPC operations has deemed the current design for the updated flow monitoring equipment to be deficient. Some reworking of the piping systems within the plants is required to accurately record flow measurements. This reworking of the piping will require shutdowns which will not be possible until the late spring/summer when demand is reduced. NTPC expects that the updated instrumentation will be operational and recording flow by the end of August 2021.

NTPC and Golder also completed an investigation to determine if the Thermal Plume Study could proceed without the updated instrumentation and use pump readouts for the flow data. Golder determined that the pump read out data was not sufficient to complete the Thermal Plume Study and required thermal modelling.

Given the August 31, 2021 date for the flow meter data the new proposed timelines for the Thermal Plume and AEMP are provided below.

	From WL	New Submission Date
Thermal Plume Delineation Study Design (TPD SD)	A minimum of 90 days following the effective date of this Licence.	May 31, 2021
Thermal Plume Delineation Study Report	August 1, 2021	January 30, 2023
AEMP Design Plan	November 1, 2021	April 30, 2023
Aquatic Effects Re-evaluation Report	Three years following implementation of the AEMP Design Plan and every five years thereafter, or as directed by the Board.	No change
AEMP Design Plan – Revised	Three years following implementation of the AEMP Design Plan and every five years thereafter, or as directed by the Board.	No change
AEMP Annual Report	March 31, 2023 and every year thereafter.	March 31, 2024 and every year thereafter

Thanks for your time and please let us know if there is any other information we can provide or if you would like to set up a meeting to discuss.

Thanks for your time,



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