

Webb, Bruce (SD)

From: MacDuff, Jodine <jmacduff@hydro.mb.ca>
Sent: September-21-18 1:23 PM
To: Webb, Bruce (SD)
Subject: RE: Keewatinohk WTP
Attachments: Station to camp overview with WTP marked and flows.png

Here is a figure of the discharge route.

From: MacDuff, Jodine
Sent: Thursday, September 20, 2018 4:51 PM
To: Webb, Bruce (SD)
Cc: Elder, Rob; Alexander, Meagan; Carson, Paul; Hardisty, David; Dagdick, Elise (SD); Matthewson, James
Subject: Keewatinohk WTP

Hi Bruce,

The Keewatinohk camp water treatment plant currently discharges backwash water to the Keewatinohk lagoon as outlined in the Environmental Impact Statement for the Bipole III Project, Chapter 3: Project description, Page 3-122, below is an excerpt.

Wastewater from the water treatment plant will consist mainly of process filter backwash and settling chamber sludge, and will be discharged to the sewage collection system for further treatment.

The lagoon is being decommissioned this fall and therefore will no longer be able to accept backwash water from the water treatment plant. One alternative being explored is if the backwash water could be discharged along the same route that the lagoon is discharging until approximately February 2019. After this time, the water treatment plant to be utilized for operations is anticipated to be completed (the backwash water will be directed to the drainage field which is currently under construction).

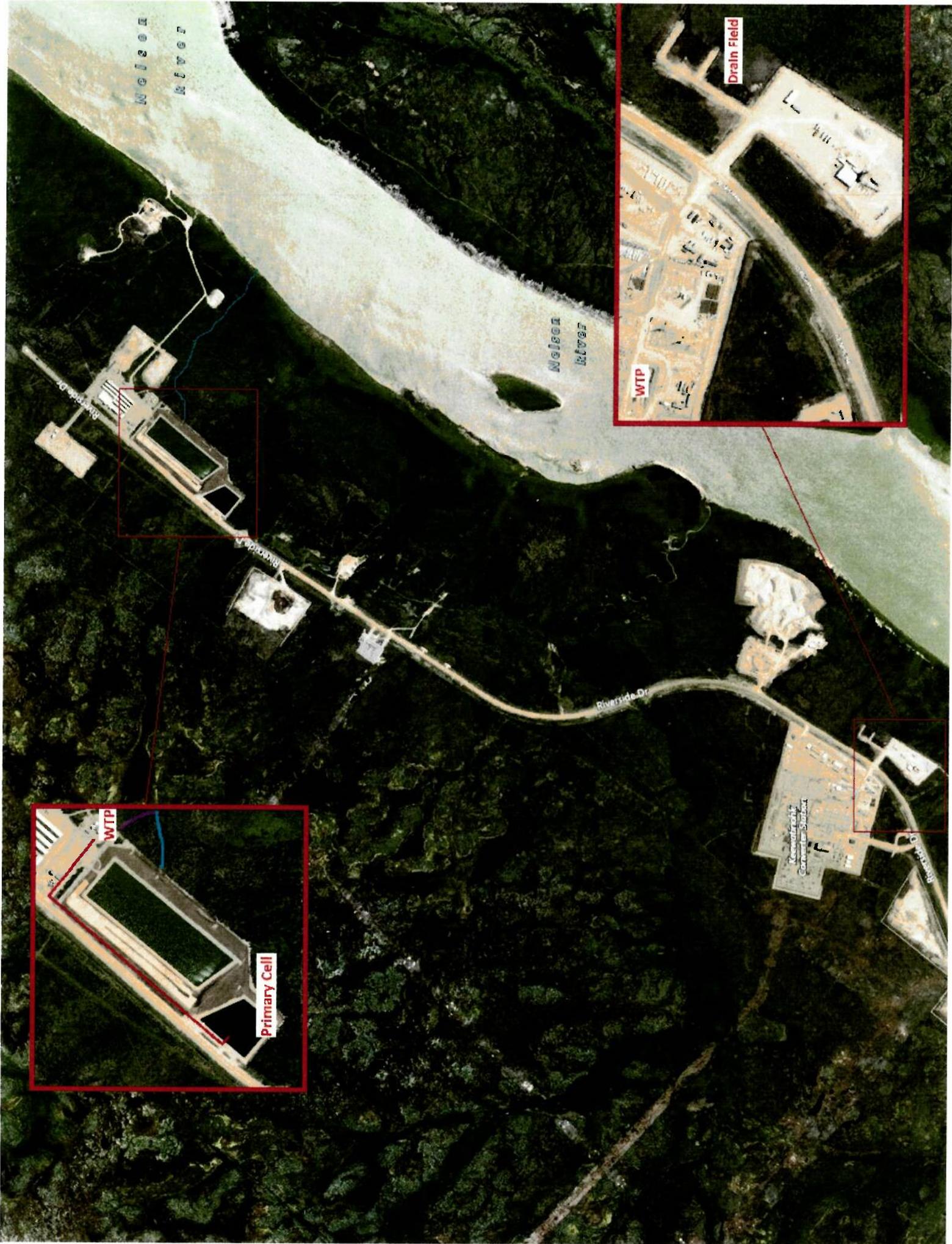
The existing water treatment plant is reverse osmosis and will be supplying water to the Converter Station (920 L/day), Construction office (1150 L/day), Keewatinohk Lodge in shutdown mode (1000 L/day) and the Sundance Camp which will be housing construction staff (11,200 L/day). Based on this, backwash water is anticipated to be approximately 11,000 L/day. The backwash water would be directed to reject tanks, water would then be decanted and discharged along the lagoon discharge route. Material that settles in the reject tanks will be hauled to an approved landfill once the WTP is no longer being used.

All other wastewater generated from the site and the Sundance camp will be hauled to Gillam for disposal.

Once you get the chance to review, please let me know if you think an alteration to the Bipole III EAL would be acceptable for the temporary disposal of backwash water directly to the environment.

Just so you know, we have a Community Impact meeting with Fox Lake Cree Nation scheduled for Monday September 24. This meeting will provide an opportunity to discuss discharging the backwash from the WTP along the lagoon discharge route to ensure they do not have any concerns.

Please feel free to give me a call if you would like to discuss, thanks,



Nelson River

Nelson River

Drain Field

WTP

Old Mill Rd

Riverside Dr

Riverside Dr

Keweenaw Point
Carcassarium Station

Mill Rd

WTP

Primary Cell