

June 14/2023

Natalie Boyd
Project Manager - Ontario Region

Marmora Clean Energy Hub Project
84597

Hi Natalie - I'm running out of time to mail this. Guess I have been all over the place in my comments. Hope my questions make sense to you. If this project had happened back in the 1990's I think more residents would be involved. Everyone was younger back then. The community stopped Toronto from putting garbage in our mine hole. We are a municipality of seniors and people moving from the cities. Most residents do not understand what pump storage is.

Cheryl

2.4 Activities, Infrastructure Structures and Physical Works

2.4.1.2. - Upper Reservoir

Hatch Report says (Pg 31) - Currently a 20 m deep reservoir with a length of 840 m and bottom elevation of 225 MASL

In feet 20 m is 65', 840 m is 2755'

The pit size is 840 m x 365 m x 215 m deep.
(2755') (1197') (705')

Did the Hatch Report say how many gallons of water is in the pit now?

If the Upper Reservoir is 65 feet deep and 2755' long is the 65 feet deep enough?

There is a village below the Upper Res.

Power Technology - Nov 30/2021

Maimora is a pumped storage project.

The hydro reservoir capacity is planned to be 30 million meters.

2.4.2.3.1 - Construction Open Pit Dewatering.

Species at Risk Act.

Impact on SARA fish during construction and operations impact on SARA fish in Moura River heavily weighted during alternative assessments, helping to determine the CROWE RIVER as the preliminary PREFERRED DISCHARGE location for Open Pit DEWATERING.

There are too many waterways in area. There are wetlands all over the mine area. Not sure how NP + CPA would get to Crowe River.

I heard of a couple ① Hwy #14 a stone throw from homes through wetlands, cross Hwy 14 passing more homes. Making its way to river. There is fish in the Crowe River.

②. Water still has to cross Hwy #14 through more wetlands. So they would dig a trench from

the pit to Mead Lake. The river is
a distance from the Mine Pit.

Pg 109 - Potential localized effects from
dewatering construction on
wetlands in the project location
and provincially significant
wetland located in close proximity

2.7.1.2. - Energy Storage Alternatives

2.7.1.3. - Pumped Storage Hydropower.
Alternatives

My suggestion - Forget the Pump Storage. The disadvantage - High Capital cost and safety concerns is the big one for Mamora

Solar Panels - Some where in Hotel Report said Mamora wasn't considered in a snow belt. Lots of snow falls in Mamora. What happen if snow covers panels. Who is going to clean of 60,000 solar panels.

How about a battery energy storage system. Anything but that Pump Storage.

3.5 Proximity to Residents + Communities

3.5. Say there is one house here
and one house there is misleading

One property along Sterling Marmora Road, one property along Mary Street which are adjacent to lands owned by Aecom. (Kind of)

You go down Forsyth St (FORSYTH RUN INTO STERLING-MARMORA ROAD) approximately a mile to the Aecom entrance.

There are approximately 12 homes plus a subdivision - Riverside Pines before you get to Aecom entrance.

Permanent residents part of the Municipality of Marmora + Lake are located as CLOSE AS 25 m northwest of proposed Project Location. ? @gain misleading.

Below the Upper Reservoir is a street called Burstall with many homes, a church, a school and a nursing home.

The rock pile is on their door step.

I live on Forsyth St. and I can see the towering rock pile from my home. Since 2011 I have said this project is not safe.

The Project Location is too close to everything.

5.4 - Greenhouse Gas Emissions

The Project is expected to reduce greenhouse gas emissions.

However, carbon dioxide, methane, nitrous oxide and other GHG will also be released to the atmosphere during all phases of the project.

So for 5-8 years all this will be released to the atmosphere?

They say 3 or 20 years to construct but don't these projects run over?

Other Questions from Hatch Report

Pg 51 - The site registered a high level (1000 ppm) polychlorinated biphenyls (PCB) storage site in 1998, 1999, 2000?

Pg 67. 3.8.3.1.8 - Unevaluated Wetlands
Numerous unevaluated wetlands are mapped within Project location.

Upon preliminary site investigations, the wetlands within proposed Project loc. appear to be a mix of both marsh + swamp environments and will be further characterized and delineated during future detailed vegetation community mapping exercises + site investigations (TO many wetland for this project)

Pg 71-74 - Wildlife Habitat - Approximately 159 birds species (bold eagle, Osprey nesting. TO many to list the same with first Pg - 71-74.

Pg 104-113 - Preliminary Summary of Potential Environmental Effects:

Air Quality - Generation of dust or

emission of products petroleum hydrocarbon combustion.

Noise + Vibration: Noise + Vibrations emissions may disturb adjacent landowners or other area user.

You could hear the noise of trucks, shovels digging into the rock at night when the mine was in operation so why would this be different. The turbines would be noisier.

Groundwater - dewatering may affect the local groundwater levels/ quantity and may affect surface water flows.

Potential effects on groundwater quantity due to accidental spills

Pg 22 - Fisheries Act: Open Pit is not to be considered fish habitat.

Pg 28 Presence of fish within open pit.

There is fish in pit. It was stocked years ago.

Pg. 25. Public Transportation - Transmission
line installation beneath Hwy #7.
Also for potential alterations of
the Hwy #7 culverts to accommodate
additional flows during dewatering.

How many routes do they need to
dewater this thing?

Traffic going through Mamora is
crazy. People from the city have
found this Hwy #7.

Reading the Hatch Report there are
many different reports about the
dimensions of the mine pit.

Creator & Plover - 840 m x 365 m x 215 m deep
(2755') x (1197') x (705').

Pg 48 - 740 m x 450 m wide x 220 m deep

Pg 50 - 561 m x 235 m " x 118 m

Pg 53 - 210 m deep x the year 2012 163 m deep

1982 - 520 m x 370 m x 153 m deep

Weldn't see how many of gallons of
water in the pit.