To: Impact Assessment Agency of Canada

occurs before project design elements are finalized in order to develop activities. We agree that assessments should begin with a planning phase that aware of, and have the opportunity to be involved earlier in, project planning "Indigenous peoples, stakeholders and the public more broadly want to be Re: Canadian Impact Assessment Registry number 84597 -- Marmora Clean Energy Hub Project certainty to support efficient review processes." We must also work together so that early engagement provides clarity and proponents, Indigenous peoples, stakeholders, the public and the government effective engagement strategies and foster greater collaboration between

Due date: June 19,2023

Together the proponents: Ontario Power Generation and Northland Power with a detailed report prepared by Hatch

To repurpose the abandoned open pit and inactive mining lands within the Municipality of Marmora and Lake known as Armbro and then Aecon

step of the process is the preparation of a Terms of Reference(ToR). The ToR will set out the mitigation. activities that will be carried out to evaluate the alternatives and predict potential adverse impacts and including an outline of the studies, the alternatives that will be considered, and the public consultation proponent's framework and work plan for addressing the EAA requirements when preparing the EA, This study will be carried out in accordance with the requirements of the EAA. The first

The pumping storage hydroelectric facility is the only component that it subject to the EAA

Comments and questions related to the above at random:

public meetings with time for absorption/followup – full transparency. The report itself is full of many years needs to be available to the general public in hardcopies and presented to the public at local within the landscape. I suppose the ToR will address all these concerns???? there could and should be a working model of the proposed pumping storage hydroelectric facility unknowns. What it is not saying needs to be addressed. In this day and age with modern technology --The Hatch Report, a very detailed comprehensive report with information and charts collected over

--Has the Hatch Report been peer reviewed?

with the Marmora Project." doors to be heard and creates outcomes that everyone can be proud of. This is what we want to achieve engagement. It creates access to information and opportunities for two-way communication. It opens --Summary of Engagement (Hatch Report page 5) "NPI and OPG are committed fo meaningful

How to achieve this commitment:

open forum like roundtable discussions and focus groups. -Would like to have open public meetings with full engagement of the local public, in person,

abandoned and became a public domain. The Ministry of the Environment, Conservation and Parks standard of transparency that could and should be duplicated even though the Deloro site was Marmora and Lake a truly open and transparent process happened with the Deloro Cleanup Project. the summaries (minutes) of these engagements so the public can stay currently apprised Deloro Town Hall. continue to hold Public Liaison Committee meetings once a year. The last one was July 19, 2022 in provincial guidelines to follow with engineers involved and reports upgraded. That was a gold the public and recorded in minutes. This Liaison Committee met over decades as it had federal and There was a Public Liaison Committee established which met regularly, reports given, feedback from It is worth mentioning here that within a short distance from this site and in the Municipality of -Hatch Report speaks to numerous engagements with various stakeholders like the AFN but where are

addressed in the ToR? why different regulations? Who assumes the risk and liability for potential disasters? Will this be Northland Power and OPG – in my opinion should have to follow suit as if it was in the public domain-There is an apparent difference when private ownership is involved—this site with proponents

Past History of the current abandoned site (Marmoraton Mine Company)

--Mine closed in 1978 -

relevant data presented at the time of active challenges by the community against the proposed pit Enclosed is documentation from Marmora & District Takes No Trash (T.N.T.) 2 pages which has being considered for Toronto garbage. (time frame of mid 1989 and into 1990's)

- many "Proposed Uses on Armbro Lands". February 11, 1994 and June 1, 1994. Clearly even back then Armbro Marmora Holdings Inc. had -Also enclosed are two pieces of correspondence from Armbro to the council of the day dated
- Marmoraton Mine Lake is confirmed as fish inhabited which involves the Department of Fisheries and of the municipality, Frank Mills, and then Minister of Environment Leona Dombrowsky. although not ever formally named,-in correspondence on file dated May 2005 between the Clerk/CAO hectare. The water filled pit area of the abandoned site was confirmed as Marmoraton Mine Lake – banned in any lake . The Act defines a lake to be a body of water covering an area larger than 1 results in the harmful alternation, disruption or destruction of fish habitat". Oceans Canada. Section 35 of the Fisheries Acts states—"no person shall carry on any undertaking that --With an amendment of the EPA (Environmential Protection Act) passed in 2004 waste disposal was

and include an outline of studies that could possibly predict potential impacts on the fish/wildlife Pit" and not a Lake which it is! What is the definition of an "Open Pit"? within the Marmoraton Mine Lake and mitigation? In the Hatch Report it is clearly identified as "Open First will Northland Power and OPG acknowledge the existence of this large body of water as a lake

Some further questions:

- 1. Who owns the current site?
- forthcoming? With the involvement of OPG does this mean my tax dollars are part of the funding that will be
- Policy Statement, Hastings County Official Plan, and Municipality of Marmora and Lake Comprehensive Zoning Bylaws? Will these be sidestepped? 3. Where does zoning and related approvals factor into this new proposed use of the site- Provincial
- as per the June 1, 1994 Armbro Report (Page 3)? What feasibility studies have been done and what were the results –ie Parker Hydropower Services
- highway? Why is the crushing Traprock operation not happening —it did provide road material for the 407
- nursing/retirement home that has been built since the closure of the mine? pumped storage facility in proximity to neighbouring residences, school, church and a Is there any government regulations (concerning noise etc.) in regard to the distance from this
- 44 speaks to the "do nothing" approach. environmental and financial concerns especially those expressed by stakeholders? Hatch Report page What are the potential alternatives that would be more in tune with the community safety,

feedback received from the public, Indigenous communities/Nations, and government agencies." Of course all "additional criteria or modifications to existing criteria will be considered based on

copy from the municipality I had to pay for it. May 1, 2023. Posted on agency website May19, 2023-- not giving enough time. To get a personal read throughly the 116 + page Marmora Clean Energy Hub Project Initial Project Description dated Finally as a comment I would like to express my disappointment in not having more time to study and

From: Bonnie Danes

Date: June 15, 2023.



Marmora & District Takes No Trash (T.N.T.)

H MARMORA OPEN PIT MINE:

THE

LAKE

THAT

METRO

MAY

FILL

HIIM

GARBAGE!

THE BOTTOM IS 15 Feet (5 M) BELOW SEA LEVEL COVERS AN AREA 2,800 Feet (853 M) OF 75 Acres; 620 Feet (189 LONG; 1,500 IS 3 Feet 635 Feet ABOVE SEA LEVEL (457 (194 M) DEEP! WIDE

HE LAKE AS OF OCTOBER 1989 ıs,

Feet (100 3 DEEP!

SGTDH SPRING WATER! BILLION Gallons (6.4 BILLION Litres)

PURE

SPECIES HOME TO RAINBOW TROUT UP TO 24" LONG PLUS OTHER FISH

OFFICIALLY RECOGNIZED BY THE RESOURCES S FISH HABITAT FEDERAL MINISTRY 무 NATURAL

표 LAKE S FILLING WITH PURE WATER AT H. RATE PF:

460,800 Gallons 19,200 Gallons CA NO O Gallons (1,211 Litres) (1,744,320 Litres) (72,680 Litres) PER PER DAY PER HOUR MINUTE

IN THE SUMMER OF THE YEAR 2,009 THE LAKE WILL H:-

580 Feet (175 M) DEEP AND

MILL HOLD SPRING WATER! BILLION Gallons (18.8)BILLION Litres) 무 PURE

6 WATER SOURCE Feet A N M) FROM THE ALONG THE SURFACE. VIRTUALLY WALL AND N T H BUTTOM, RUNDEF. STARTING

RELATIVE TO 820 Feet THE MOIRA RIVER WATERSHED, (250 M) FROM LILLEY CREEK THE LAKE 3 1

4,300 Feet (1,325 M) FROM MUD LAKE.

RELATIVE 4,600 Feet OT O THE CROWE VALLEY WATER SYSTEM, (1,400 M)FROM CROWE RIVER. HI LAKE IS:

BOTH WATERSHEDS DRAIN TO THE BAY OF QUINTE

self HHLP ğι US PUT addressed covering Þ STOP TO envelope plus letter stating SIHT TRAGEDY. \$5.00 for your objections Please a Membership) to: send your denation (include a stamped

MARMORA MARMORA, ONTARIO, Ŗ0 DISTRICT TAKES NO TRASH (T.N.T.) F. O. BOX 15N X0X N N N

are based on the amount of water that had to be pumped out of the mine, 24 hours a day, during its operation All calculations were performed by Marmoraton Mine Company Engineers at the time the mine closed in 1978, and



Marmora & District Takes No Trash (T.N.T.)

P.O. Box 152, Marmora, Ontario K0K 2M0

INFORMATION FACT SHEET

DATA ON MARMORA OPEN PIT MINE

Length - 2800 feet (853 m)
Width - 1500 feet (457 m)
Area - 75 acres (30 ha)
Depth - 635 feet (194 m)

The bottom is 15 feet (5 m) below sea level Ground (spring) water starts to flow in at The present water level (October 1989) is 330 feet (100 m) holding 1.7 billion gallons. level (40 feet (12 m) is 620 feet (189 m) above sea level below the surface). the 580 foot (177 m)

Following is the rate of in-flow of water:

minute hour day	PER
320 19,200 4 60,800	GALLONS
1,211 72,680 1,744,320	LITRES

This in-flow of ground water is more than double the consumption of the Village of Marmora.

gallons. The water will continue to rise to the 580 ft. level and this is calculated to occur in the summer of the year 2009, holding 5 billion

were based on the amount of water that had to be pumped out of the pit The above calculations were done by the Marmoraton Mine Company's engineers at the time of the mine closing in 1978. The calculati wall and bottom of the pit. during operation. because of the surrounding terrain. The source of this water is from springs along the There is very little run-off into the pit The calculations

Quinte. Valley water system. (1325 m) from Mud Lake which form part of the Moire The pit is 4600 feet (1400 m) from the Crowe River (1325 m) The mine site is 820 feet (250 m) from Lilley Creek and 4300 feet Both of these watersheds drain to the Bay of of the Moira River watershed. and the Crowe



February 11, 1994

The Council
Township of Marmora & Lake
P. O. Box 459, Highway #7 West
Marmora, Ontario
KOK 2M0

RE: MARMORATON MINE SITE

Dear Members of Council:

ourselves. Marmora site relationship Marmora "public-private would like and Mill to Lake on above to explore with ש use lead to that will co-operation lands. you the possible between Armbro benefit In possibility of developing a this way, between us both and the the us community We Township to adou and the OU. D.

The subjects We can discuss are as follows:

- "hole" part of the area, from Armbro "hole" An arrangement for the sale of a controlling interest in the part of the property, including a suitable surrounding land rom Armbro to the Township.
- controlled fill storage, general bulk storage, and pumped storage for hydropower generation. Receipt of Metro Toronto waste would be specifically prohibited and stated as such. applications to various government agencies and ministries for environmentally related activities on the balance of the property. These would include soil remediation, composting, recycling, applications by the Township for zoning and related approvals recycling
- 3. An agreement between the Township and Armbro to attempt to secure funding, jointly, from the Federal Government infrastructure program for the development of infrastructure in and around the above property.
- existing property. Development of potential residential land forming part Of our

Of course, we would be which we could further 0,5 course, open to develop suggestions for additional our co-operation. co-operation. ways



The spirit of our offer is summarized as follows:

- prohibits Metro Toronto waste. Therefore, twaste question is resolved once and for all. Township gets control O Fi the the Metro "hole". Toronto Zoning
- b) Armbro development balance of o gets clear approval a t of environmentally relat the site, where applicable. related activities support for on the
- 0 Armbro in The Township gets the opportunity to participate we residential development, use of wet lands, etc. with
- "hole", plus cash possibly available from the Federal infrastructure program, is invested in and around the property to "kick start" activity which will help quickly create jobs "hole", the community. Cash available from the sale of Armbro's interest plus in the

partnership"
benefit - it believe the above and we are offering : is a win-win proposal. ٦. an offering it excellent ç example you S of, that "private-public that we can all

We trust you will find the above response. Of T interest, and look forward

Yours very truly,

ARMBRO ENTERPRISES INC.

<original signed by>

John M. Beck Chairman

- s.d ₩e also expect to clarify the following:
- permanently on the property. property of Armbro. OUT aggregate crushing A11 operations stored materials remain the Will continue
- 2. Buy/sell provisions will be required to resolve eventual ownership of jointly held assets, if required.
- construction, such as will be agreed upon. Shared benefits of any future additional infrastructure sewage and water treatment facilities,



June 1, 1994

Council for the Corporation of the Township of Marmora and Lake Township of Marmora and Lake Box #459 Highway #7 West Marmora, Ontario

Attn: Mr. Lionel Bennett, Reeve

Dear Sir;

Re: Proposed Uses on Armbro Lands

project to a combeck will be heavil interests in that proferres to pursue the property of the you Marmora the John lands. to a co types Beck, our Chairman, has previously discussed of uses we are attempting to obtain for However, with the award of the 407 hig consortium of which Armbro is a partner, heavily involved in project.
uses for for our ed in looking after our I will be continuing his our lands in Marmora. highway with our

1994, investigated/proposed Further to his last correspondence dated Fell to provide informationed for Armbro's Marmora February n on uses being land holdings.

These uses include;

Soil Cleaning

a) Bio-remediation

Proposed Use

Soils that are cleaned by bio-remediation contain hydrocarbons (gasoline, diesel, etc.). To degrade soil contaminants, most current bio-remediation projects use indigenous bacteria that feed off oxygen and the inorganic nutrients.

moist and flourish. ensure contaminated soil Bio-remediation and good aeration, or sprinkling it and the nutrient levels high for sh. The bacteria will then remove can be and periodically as simple then remove as turning spreading turning it to keep the : the bacteria the hydrocarbons. over soil

This completely clean or ıs slow process which remediate can the take soil. 60 250 days

soil's disposal, original site, o of elsewhere, wi site The clean from where it soil will be or remains emains the property of it originally came. Ar including it being ret left on the Marmora 1 made with the Marmora lands, being returned to soil owner. Arrangements the owner Or disposed the of for the the

Existing Status

Discussions site rehabi rehabilitation. have been held with several firms involved

<u>5</u> Low temperature thermal desorption (LTTD)

Proposed Use

designed This process is designed to treat soils containing light distillate petroleum hydrocarbons with special equipment designed for that purpose. purpose.

The control of the soils are hear moisture in the sa a direct-firing land a direct-firing land and a direct-firing land a direct-firect-firing land a direct-firect emitted contaminated soils into the heated he soil burner. added. atmosphere. are desorbed by the er. The cleaned soil filters ensure no and are the placed laced in a volatile מ compounds rotary heat is them cooled contaminants a supplied by drum/dryer and

more The cleaning, or r remediating process cleaning Vф bio-remediation is completed

Existing Status

Armbro is for an LT demand ex facility area. o is in the process n LTTD facility on t d exists, the Marmor ity to assist in cle ty on their la Marmora site in cleaning s of obtaining lands in Bramp te could house of soils in the Ministerial Brampton. pton. If a mobile surrounding approval the

with AS with bioremediated the owner soils, ownership of the soil remains

Bio-solids Management

Proposed Use

plants. Bio-solids are a bi-product of wastewater treatment

property, growth. High in nutrients they can be used, in other materials, to rehabilitate the piles with vegetation/tree growth. I farming could be introduced on other property, using the bio-solids as a result. in conjunction with e existing tailing Alternatively, tree r areas of the nutrient for tree

Existing Status

of bio-solids for one year, subject to conditions. Armbro has submitted a proposal to with þ accept 8, possible 8,200 dry tonnes le extension,

Hydropower

Proposed Use

To produce hydro electric power on the Marmo sell to either Ontario Hydro or other users. on the Marmora lands tο

The water from the open quarry would be pumped reservoir constructed on top of the adjacent taduring the off peak evening hours. tailing to þ pile,

at Dropping the water back into the quarry would create electric power which would the peak rates during peak hours be sold to users

Existing Status

Armbro has entered into Hydropower Services to I the feasibility of such into an agreement with Parkers to permit them to undertake such a facility. them to undertake a study of

Composting

Proposed Use

A facility in Marmora, similar to one in the Regional Municipality of Halton. The process consists of placing material at one end of a 210 foot long bay which then vibrates and forces air into the material, as it slowly moves down the bay. At the end of 21 days, the material is fully composted. The finished product is either bagger and sold through retail outlets, or to landscapers, nurseries and golf courses. bagged

The bays are within an enclosed building, so composting is possible. The aerobic process odours are minimized, although exhaust air pafilters before being released outside. air passes through year round ensures

wastes generated by produce and grocery stores, processing companies, municipal kitchen waste a municipal sewage treatment plants. compostible material would be a mixture of organic and food

Existing Status

Equity Waste Management Inc. is proposing to fund, build and operate the facility in the Town of Halton Hills and they believe such a facility would also be appropriate on Armbro's Marmora site, and are anxious to continue discussions with Armbro.

Construction Waste Storage

Proposed Use

A portion of the site rubble, i.e. building placed in landfills. materials could be used which can no to store longer construction

Existing Status

Discussions demolition. recycled. have The material could be later firms involved crushed

6) Crushing Traprock

Existing Use

Armbro crushes the existing traprock and uses construction purposes. j. for road

This use will continue on the site.

7) Explosive Storage

Existing Proposal

Armbro has been recently approached requesting permission to store explosives in a trailer within a 4 acre parcel. CIL 400×400

The above uses are in various stages of development and all will be of benefit to the Community, adding to the employment and tax base.

Please see the attached plan for possible locations on the site for each of the proposed uses mentioned above.

Yours very truly, ARMBRO MARMORA HOLDINGS INC.

<original signed by>

Paul Sudolski President, and C.E.O.