



Regular Monthly Meeting
Tuesday, May 15th 2018 at 6:00pm
Royal Cdn Legion Branch No. 194
48 Sixth Ave, Hornepayne, Ontario

NWCLC Present

Jon Peroff-Chairman
Morley Forster-Co-Chairman
Carlo Bin
Cindy Craig
Paul Stewart
Elly Colazzi
David Jaremy
Robert Dumoulin

NWCLC Absent with Regrets

Cheryl Browne
Lisa Stewart
Chad Verrino

Township Staff

Amber-Starr Boissoneau

Guests Present

Bonnie Moylan
Sanda Donney- Fraser
Gail Jaremy
Alice Donney
Cheryl Fort
Brenda Pelletier
Judy Mann
Anita Smith
Ken Fraser
Dorothy Rendell
Isobel Peever
Walter Haavaldsrud
Rhonda Dumoulin
Haylie Dumoulin

NWMO Staff

Norman Sandberg, Relationship Manger
Pat Dolcetti, Regional Communications
Manager
Tim Weber, Social Research Associate
Kevin Muloin, Site Engagement Associate,
Aboriginal Relations
Joe Gabourey, Director of Indigenous
Affairs
Arthur Moore, Senior Engagement Advisor
Jack Falkins, Site Engagement Associate,
Indigenous Relations North of Superior
Jo Ann Facella, Director of Community
Well Being, Assessment and Dialogue
Jeff Binns, Corrosion Research Scientist

DPRA Staff

Vicki McCulloch, Senior Vice President

Notice

CLC Chair, Jon Peroff *“Voice recording in use for the meeting. For minute taking accuracy purposes only.”*

CLC Chair, Jon Peroff *“The Hornepayne CLC recognizes this area is situated on the traditional territories of the indigenous population that have in the past and currently live in this area”*



Resolution No. 18-44 - Be it resolved that we do call this meeting of the Hornepayne Nuclear Waste Community Liaison Committee to order at the time of 6:00pm

Moved by: Morley Forster
Seconded by: Paul Stewart

Carried

Resolution No 18-45 - Be it resolved that the Hornepayne Nuclear Waste Community Liaison Committee does hereby approve the agenda as presented with added amendments.

- 10.5 Learning Plan Special Meeting
- 10.6 Manitouwadge Tech day expenditures

Moved by: Carlo Bin
Seconded by: Robert Dumoulin

Carried

Resolution No 18-46 - Be it resolved that the Hornepayne Nuclear Waste Community Liaison Committee does adopt the minutes of the regular meeting held on Tuesday April 10th 2018 as distributed.

Moved by: Paul Stewart
Seconded by: Cindy Craig

Carried

Resolution No 18-47 - Be it resolved that the Hornepayne Nuclear Waste Community Liaison Committee accepts the Project Coordinators monthly report as presented.

Moved by: Carlo Bin
Seconded by: David Jaremy

Carried

Resolution No 18-48 - Be it resolved that the Hornepayne Nuclear Waste Community Liaison Committee does hereby approve the revised-annual revision of the Committee Terms of Reference as Presented.

Moved by: Morley Forster
Seconded by: Paul Stewart

Carried

NWMO Report to Committee on Recent Activity

- Municipal Engagement Update-Norman Sandberg
 - Nwmo attendance at NOMA and FENOM Conference
 - Manitouwadge Tech Day-happy to support



Hornepayne

Nuclear Waste Community Liaison Committee



Learning More About Canada's Plan for the Long-Term Management of Used Nuclear Fuel

- Questions asked at April meeting by a resident, NWMO to answer them at the June meeting.
- NWMO Staff have Wicksteed Weekly Subscription; Norman, Tim, and Pat
- Dry Storage Dates Presented with the possibility of touring the Oakville NWMO Research Facility and McMaster Research Reactor
- Three (3) Significant Activities Undertaking
 - Environmental characterization begins this week with season specific data collection.
 - Request for Proposals (RFP) is seeking qualified contractors for potential drilling in the Hornepayne area.
 - Permission to Ministry of Natural Resources (MNRF) has been submitted for potential drilling activities late 2018 or early 2019
- Indigenous Engagement update-Kevin Muloin
 - NWMO continues to meet with aboriginal communities to socialize the borehole locations in the NOS region.
 - Received a proposal for continuation of learn more agreement with a first nation last week and we anticipate having the agreement finalized by early June.
 - Currently processing a proposal from another first nation, anticipated to be completed by next week.
 - Working with a metis organization, met on May 9th, they are eager to learn about the project and share their knowledge. This organization has submitted a proposal as well. Agreement to be finalized in the coming weeks.
 - Provincial metis organization nearing completion of learn more agreement is up for continuation.
 - Learning agreements with national and regional aboriginal organizations.
- Communications update-Patrick Dolcetti
 - NWMO June Newsletter to be released soon
 - NWMO signed agreements for International Cooperation and renewed agreements from 5 countries.

Presentation of “NWMO Update” by Jo Ann Facella, NWMO Director of Community Well Being, Assessment and Dialogue.

- Update on NWMO Values
 - Mission
 - Ethical and Social Framework
 - Indigenous Engagement
- Update on Activities of Review Groups
 - Council of Elders and Youth
 - Commitment to Reconciliation
- Update on Siting Process
 - Criteria for Selecting Preferred Site-Safety, Transportation, and Partnership
 - Greater Involvement with Supporting Communities Require Greater Resources



- Status of work in Hornepayne
 - NWMO beginning the process of seeking permission from Government to drill initial boreholes. Initiating the consultation with indigenous communities.
 - NWMO beginning the process to identify potential drillers
 - NWMO is conducting environmental mapping to establish baseline conditions.

Cindy Craig leaves at 6:56pm

Presentation of “Engineered Barriers: What are they and how do they work?” by Jeff Binns, NWMO Corrosion Research Scientist.

- Types of Barriers-Engineered vs. Natural
- Properties of Engineered Barriers
 - Physical/Structural
 - Chemical
 - Radiation/Thermal
- Natural Barrier Systems
- Multi Barrier System
- Natural Barrier and Wasteform
- Container and Sealing System

Responses to Questions Raised

Q. Resident: Can you repeat the NWMO Indigenous Engagement update and be clearer in identifying the groups you are speaking of?

A. Joe Gabourey: Nwmo produces a triennial report that has an exhaustive list of communities who have entered into 12 month learn more agreement with resources from the Nuclear Waste Management Organization.

- Regional: Constance Lake First Nation
- Regional: Missinabie Cree First Nation
- Regional: Chapleau Cree First Nation
- Provincial: Metis Nation of Ontario Region 3
- Provincial: Ontario Coalition of Indigenous People (OCIP)
- National: Assembly of First Nation (AFN)
- National: Congress of Aboriginal People

Q. Resident: If the fuel pellet is not flammable and not soluble in water, why do we need to take such precautions?

A. Jeff Binns: They are radioactive, so the radiation produced affects the surrounding environment. Canadas plan is to isolate the used fuel so low underground that it cannot affect our environment.

Q. Resident: Bundles will be radiating heat-Where will that heat be going? Will you be venting that to the atmosphere?



A. Jeff Binns: So the bentonite serves many purposes and one of them is heat dissipation. The bentonite retains its properties below its maximum temperature threshold of well over 100 degrees. The deep geological repository placement rooms will be spaced appropriately to be well below that threshold. If there were any water or condensation, what that heat does is dries it out of the bentonite back into the rock. Keeps the container from getting wet and if the container isn't wet there is absolutely zero chance of degradation. Once the heat dissipates over time the water microbes will come back in, and the bentonite will do the swelling and microbial suppression.

Q. Resident: Would you not be adding more heat to the DGR when you add more canisters? Are you including the earth's core temperature? Questions submitted at the April meeting I would like answered.

A. Jeff Binns: The key thing is the spacing. We can control the temperature.

A. Norman Sandberg: Colleagues are processing your questions to get answers for the June meeting. There are two questions the Nwmo feel would be inappropriate to answer that would be directed to the Council or CLC-unsure of which. Also the heat dissipation is one of the characteristics is one of the reason we need to understand the geology which establishing a borehole would advance our learning.

A. Morley-Several questions were asked but the ones being referred to I believe are: What technique or chart did the Mayor and Council and the NWCLC use to determine overall comfort of safety case? The presentations and learn more process are part of coming to a level of comfort acquiring the information to establish the overall safety case. Also asked for a copy of the risk assessment done by the Mayor and Council and NWCLC. There was no risk assessment done prior to getting involved in the Learn More process. That is what the Learn More Process is all about, is to receive the information and we can learn as a community and make a decision down the road.

Q. Resident: Are the boreholes the same as the mining process?

A. Jo Ann Facella: Looking to get an undisturbed core that is all in one piece. Some testing will be done on site and some will be sent to specialized labs around the world.

A. Jon Peroff: It's very similar to a diamond drilling operations.

A. Joe Gabourey: We use the same drilling companies that drill other mining cores. It's not a specialized drill.

A. Pat Dolcetti: For more information on drilling please go to our website and YouTube channel.

Q. Resident: Bentonite will swell to keep microbes out so are we anticipating there will always be water within the DGR to keep the microbes from forming?

A. Jeff Binns: When the container is placed it will be dry in the rock. In order for the bentonite to be workable there is a certain amount of water within the bentonite to form the box and when it's dry from the heat, there is no concern of microbes because microbes need water-all lifeforms need water to live. In the presence of water bentonite swells, there is no space for a microbe to live. In bentonite, water isn't available for a microbe to live. If water isn't there-a microbe can't live. If water is there-it's not available because of the bentonite.



Q. Resident: How much impact can these containers take if the bentonite is swelling?

A. Jeff Binns: Fully saturated bentonite can reach about 7 mega Pascals. We have pressure tested the vessels beyond 45 mega pascals and they don't buckle at all. It will have no impact on structural integrity of the container.

A. Norman Sandberg: Looking for a dry environment that does not have flowing water. When Jeff mentions the water, please be aware it's not surface water, water table or ground water he is referring to, its micro droplets of water from centuries or millennia years in the past.

Discussion of Recent Events in and around the Community

- Paul Stewart-Canada Day will be held at Cedar Point this year by the Recreation Committee. Fish derby will be held as well.
- Morley-Hornepayne 90th Anniversary will be held Aug 9th-12th
- Morley-Project Coordinator resignation: Amber has done a great job of keeping us on track, I appreciate her efforts, her organization and the ideas she has put into place to help communication with the community and the whole township so everyone aware of what's going on. I know she has been here on her own for quite some time now and I know how difficult that has been. She has been keeping all the irons in the fire and still been doing the great job she does. Thanks for your work to our committee and community.
- Jon-Harte Gold Mine Tour- Amber and I toured the underground facility and we spoke to the environmentalist and geologist involved. We also visited the above surface drill operation. Hoping to have the committee tour as well at a later date. Seeking a presentation from a representative for the July 10th meeting.
- Paul-Bike park funding goal reached. Ontario Trillium Foundation funding grant was received. Scheduled to be complete for July 2018.

Other business

Resolution No 18-49 - Be it resolved that the Hornepayne Nuclear Waste Community Liaison Committee does hereby recommend to council that CLC Chair Jon Peroff to attend the Canadian Nuclear Society (CNS) 38th Annual Conference in Saskatoon June 3rd-6th

Be it further resolved that the expenditures will be taken and/or reimbursed from the NWMO Resource Program #1a. *"Community learning through Conference attendance including conference fees and travel Expenses"*

Moved by: David Jaremy

Seconded by: Paul Stewart

Carried

Resolution No 18-50 - Be it resolved that the Hornepayne Nuclear Waste Community Liaison Committee does hereby accept expenditures of Nigel Bellchamber in the amount of \$6,010 plus



hst to N.G Bellchamber and Associates for facilitation training for various community partners the day of and evening of June 12th 2018.

Be it further resolved that these expenditures will be taken and/or reimbursed from the NWMO Resource Program #9.b *“Funding to support future community decision making: Training/skills development such as participating in/running effective committee meetings”*

Moved by: Morley Forster
Seconded by: Carlo Bin

Carried

Resolution No 18-51 - Be it resolved that the Hornepayne Nuclear Waste Community Liaison Committee does hereby accept the proposed date from Dr. Gordon Edwards to present at a regular CLC Meeting on August 14th 2018.

Be it further resolved that Speaker Fees of \$1,000 are requested and travel expenses will need to be reimbursed.

Be it further resolved that these funds will be taken and/or reimbursed from the Nwmo Resource Program #3. *“Support for building community understanding on key topics such as radiation, geoscience studies, environmental protection, and multiple barriers”*.

Moved by: Robert Dumoulin
Seconded by: David Jaremy

Carried

Resolution No 18-52 - Be it resolved that the Hornepayne Nuclear Waste Community Liaison Committee does hereby approve the Vol. 10 June 2018 CLC Newsletter with amendments.

- Project Coordinator Employment Advertisement to be consistent with Township
- Applications to go to CAO not the CLC office to addressed to Chairman Jon Peroff in the event the office is closed after June 28th.
- Font, bolding, and spacing edits
- More context to be included under the open house section.

Moved by: Morley Forster
Seconded by: Paul Stewart

Carried

Resolution No 18-53 - Be it resolved that the Hornepayne Nuclear Waste Community Liaison Committee does hereby propose a special meeting to discuss action items of the 2018 Learning Plan on Monday June 18th at 6pm at the Royal Canadian Legion.

Moved by: David Jaremy



Seconded by: Carlo Bin

Carried

Resolution No 18-54 - Be it resolved that the Hornepayne Nuclear Waste Community Liaison Committee does hereby rescind Resolution No 18-33 during the meeting held on Tuesday April 10th 2018-due to error: "to accept the expenditures of \$1,325.69 to Lacroix Bus Lines for Bus Transportation for Hornepayne students to attend Manitouwadge Tech Day on May 17th to share knowledge and experience of their Robotics Program."

- More students to attend, another bus is needed

Be it further resolved that we do hereby accept the expenditures of \$1,325.69 as well as \$1,728.52 for two buses from Lacroix Bus Lines for bus transportation for Hornepayne students to attend Manitouwadge Tech Day on May 17th to share knowledge and experience of their robotics programs.

Be it further resolved that these funds will be taken an/or reimbursed from the NWMO *Regional Program "Early Investment in Education and Skills"*

Moved by: Paul Stewart

Seconded by: Morley Forster

Carried

Resolution No 18-55 - Be it resolved that the Hornepayne Nuclear Waste Community Liaison Committee does hereby accept the Project Managers resignation. Her last day of employment with the Township of Hornepayne will be June 28th 2018.

Be it further resolved that the CLC recommends the Township begin the process of hiring a New Project Manager as soon as possible as the 2018 Budget allows for overlap in funds for training of the new employee.

Moved by: David Jaremy

Seconded by: Robert Dumoulin

Carried

Next Meeting date – June 12th 2018

Resolution No. 18-56 - Be it resolved the Hornepayne Nuclear Waste Community Liaison Committee meeting be adjourned at the time of 8:05pm.

Moved by: Carlo Bin

Seconded by: Robert Dumoulin

Carried.