

Advisory Council to the
Nuclear Waste Management Organization

Record of Discussion: March 25, 2019 Meeting

Record of discussion of the meeting of the Advisory Council to the
Nuclear Waste Management Organization (NWMO) /
Société de gestion des déchets nucléaires (sgdn)

Convened at 22 St. Clair Avenue East, Toronto, Ontario,
commencing at 8:00 a.m. EDT On March 25, 2019

Advisory Council Members Present:

David Cameron, Council Chair
Donald Obonsawin, Vice Chair (via conference call)
Monica Gattinger
Sue Hartwig
Derek Lister
Dougal McCreath
Linda Thompson
Diane Kelly (items 4-20) (via conference call)
Joseph Cavalancia
Dean Jacobs (items 4-20)

NWMO Staff Present:

Laurie Swami	President and CEO (items 1-14)
Mahrez Ben Belfadhel	VP Site Selection (items 1-18)
Jo-Ann Facella	Director, Social Research & Dialogue (items 1-14)
Lisa Frizzell	VP Stakeholder Relations (items 1-17)
Joe Gaboury	Director Aboriginal Relations (items 1-14)
Gillian Morris	Board Secretary (items 1-18)
Jessica Perritt	Senior Advisor, Indigenous Knowledge (items 1-4)
Erik Kramer	Section Manager, Siting Safety Assessment (items 1-4)
Doug Taylor	VP & General Counsel (items 1-14)
Bob Watts	VP, Indigenous Relations (items 1-14)

Guests:

Celia Milne Advisory Council Triennial Report Writer

1. Constitution of Meeting / Approval of Agenda

The Chair called the meeting to order at 8:00 a.m. The agenda was agreed upon as written. The Chair acknowledged Toronto and NWMO are located in Indigenous Territory, the Dish with One Spoon Territory.

2. Safety Moment

Lisa Frizzell provided a safety moment related to the dangers of texting and driving and texting and walking. Council members provided some examples of this danger.

3. Minutes of Previous Meeting / Action Items

The draft minutes and in camera minutes from the December 4, 2018 meeting were reviewed and approved by Council members. The actions list was also reviewed.

4. Journey of Water #2: Teaching from Mother Earth About Water and Clay

As requested by Council, the second presentation related to the Journey of Water was provided by Jessica Perritt and Erik Kramer. Ms. Perritt explained the process for development of the presentation which was through feedback from community and Indigenous community requests and involvement. The presentation was delivered to Council as it would be to the potential siting communities.

Council members were very excited to see the work NWMO is undertaking to communicate clearly and educate communities by building their knowledge of water and how it will interact with the APM repository. Council members provided some advice to NWMO on the presentation:

- NWMO might consider introducing the two scientific terms: hydraulic conductivity and gradient;
- Be cautious not to aim the presentation solely at Indigenous communities;
- It would be relevant to include how deep the boreholes were drilled in the Greenland ice sheet (for comparison to the NWMO repository); and
- There are a number of other analogues that could be useful in the presentation such as the 500 million year old fossil bed in China, the uranium deposits in Africa and Canada with clay caps, and the Cigar Lake uranium ore deposit in Canada.

The next presentation in the Journey of Water series will focus on copper.

5. President's Report

The President updated the Council on developments related to:

- NWMO's progress towards site selection including partnership development;
- The Ministry of Natural Resources and Forestry (MNRF) process for permitting;
- Development of NWMO's Lifecycle Cost Estimate;
- Work related to the serial production run of NWMO's used fuel containers;
- NWMO's planning post-site selection;
- Preparing for the environmental assessment and regulatory work;
- Industry developments in Canada related to Small Modular Reactors (SMRs), the status of OPG's low and intermediate level waste repository;
- A recent Waste Symposium Conference in Phoenix where Canada was the focus;
- Work related to Canadian Nuclear Laboratories (CNL) near surface disposal facility; and
- NWMO's participation in the Canadian Nuclear Association (CNA).

Council members discussed the President's report. In particular Council members talked about how decisions related to OPG's low and intermediate level waste DGR could impact NWMO's program. Also discussed was the increase of activity related to SMRs in Canada and the different wastes that could be produced. A Council member asked NWMO to share

its waste acceptance criteria with the Council (*). Council members also asked if NWMO had seen an increase in opposition as a result of the activity related to SMRs (it has not to date).

Council members had an in-depth discussion around the prospect of NWMO taking on a low-level membership in the Canadian Nuclear Association (CNA). While the Advisory Council has always been careful to advise NWMO not be a member of the CNA, Council members understood the need to be involved in this important industry organization to ensure appropriate and correct information was disseminated with industry on NWMO's work. Council members cautiously agreed that NWMO taking on a minor membership in the CNA is appropriate at this juncture. However, Council members suggested NWMO explore creating a unique class of membership. Management noted that there are a number of universities, associations, and medical organizations who are members of the CNA and that increasingly, NWMO's siting communities are attending these conferences.

Council members also discussed CNL's work related to decommissioning of Whiteshell and transportation of fuel.

6. Update on APM Site Selection

The Council received updates on NWMO's Site Selection engagement and assessment work. Council members were interested to hear about the work being done on transportation engagement and focus group dialogues which were held in 2018.

A Council member requested additional information on the technical work underway in the site assessments area (*).

On NWMO's community well-being funding program Council suggested that NWMO publicly summarize the uses of the money provided to communities in order to ensure transparency. Management agreed with Council's idea of writing a high-level summary report on communities' usage of funds and annually posting it on NWMO's website (*).

Part of this discussion was held *in camera*.

Items 7 & 8 were held In Camera

9. Result of Values & Principles Discussions with Communities

Council members were provided with an overview of the values and principles developed by communities during the initial step along the partnership roadmap and which will help guide future partnership discussions. Council was pleased to see this work and felt that broad consensus on principles will be a tool that helps NWMO bring communities together.

Item 10 was held In Camera

11. 2019 Reconciliation Strategy

Management discussed the plan for development of a reconciliation policy during 2019 noting it would be reviewed with the Council of Elders in April and then with senior management. Mr. Watts advise that the Advisory Council would have an opportunity to review the draft policy in June with an aim to having it confirmed by the Board by the end of the year.

12. Stakeholder Mapping in Transportation Program

Council was provided with an update on NWMO's work related to transportation engagement and the social mapping of potential transportation routes. Council members discussed the risks and opportunities related to communities along the transportation route. A Council member noted the benefits and opportunities are always the most challenging part of these types of projects and recommended that NWMO examine the experiences of other large infrastructure projects. A Council member suggested that it will be important to conduct surveys in the transportation route communities to be able to gauge progress.

A Council member asked management to report back on the transportation work underway with Indigenous communities at the next meeting (*). Council members also discussed how NWMO will balance site selection when all of the transportation work will not be completed by final site selection. Management noted that there is an extensive amount of time for engagement with communities before transportation of used fuel commences in 2043. Council members also discussed whether transportation will be scoped into the regulatory process. Management reported that the regulatory environment is evolving with the possible enactment of Bill C-69. A Council member noted that the earlier transportation container videos involving a train collision are effective education tools for communities.

13. Report on Municipal Forum / Council of Elders

Linda Thompson provided a summary of items discussed from her attendance at the January 17 Municipal Forum Meeting. There had not been a Council of Elders meeting since the last Advisory Council meeting.

14. Standing Reports

There were a number of update reports provided to Council members that were taken as read: the Council of Elders; a report on the external landscape; a report on Youth engagement; a media analysis, and; a report on the work of the technical team on the APM engineered barrier and proof testing program.

Council members were invited to ask questions about the reports. Council members asked about government meetings and support for APM, youth sponsorship programs and criteria, and what the education needs of youth in the communities will be over time to be able to contribute to APM.

15. NWMO Annual Report and Implementation Plan

Lisa Frizzell provided the Advisory Council with copies the current implementation plan and 2018 Annual Report. She reminded Council that feedback received on the current Implementation Plan will be incorporated into next year's plan.

Council members were also provided with a list of broad topics to be included in the 2020-2024 Implementation plan and discussed the timing of that draft plan being available to Council in order to provide comments in its Triennial Report. Management reported that next

year's plan would be available in draft for Council members at its September meeting and noted that the plan would incorporate the first year after site selection.

16. Annual Letter to the Minister

The Advisory Council reviewed a draft of its annual letter to the Minister of Natural Resources Canada.

17. Environmental Scan

Management followed up on a discussion with the Chair and the Vice Chair of the Council regarding a request for an environmental scan in preparation for writing the Council's Triennial Report. Management presented a number of topics that the scan could cover and invited Council input. Council provided some additional suggestions and management undertook to provide the revised list to the Council's Triennial Report writer and to provide the Environmental Scan at the June meeting (*).

18. 2018 Annual Tracking Matrix

Council members had an opportunity to review and finalize the advice tracking matrix for 2018. Council provided feedback to management on the tracking matrix to be posted on the NWMO's website. Management undertook to make the changes suggested and re-circulate the document to Council before posting (*). A Council member asked management to report back at the next meeting on its contact with a water-related organization the Council had recommended (*).

Item 19 was held In Camera

20. Next Meetings of the Advisory Council

The next meeting of the Advisory Council will be on June 17th. The Chair declared the meeting terminated at 4:00 pm

Dated the 17th day of June, 2019

David Cameron
Advisory Council Chair