

**Environmental Stewardship Council (ESC)**
**NOTES FOR MEETING #54**
**Thursday, June 27, 2024**

List of Participants noted on page 3

9:30 – 9:40 AM <b>Safety briefing, welcome, and introductions</b>	Mitch MacKay opened the meeting with a safety moment, land acknowledgement, and introductions
9:40 – 9:50 AM <b>Review of actions, previous meeting record, and new business</b>	<p>ESC Facilitator, Tim Fleming provided an overview of actions from the previous meeting and identified the ones that would be addressed during the ESC's next meeting. Meeting notes were approved. The agenda was approved.</p> <p><u><b>Actions Addressed:</b></u></p> <ul style="list-style-type: none"> <li>• <i>ESC Action 231012:12 CNL to reach out to Global First Power (GFP) and inquire on whether or not GFP can provide a presentation to the ESC for the next meeting.</i> <ul style="list-style-type: none"> <li>○ <i>Deferred to future meeting.</i></li> </ul> </li> <li>• <i>ESC Action 240321:01: CNL to explore options and gather feedback for sharing agendas and electronic presentation materials in advance of meetings.</i> <ul style="list-style-type: none"> <li>○ <i>Deferred to October.</i></li> </ul> </li> <li>• <i>ESC Action 240321:03: CNL to provide a list of the 29 companies and organizations are listed as a part of the fusion partnerships when it is released in May 2024?</i> <ul style="list-style-type: none"> <li>○ <i>Completed, sent by email on x date.</i></li> </ul> </li> <li>• <i>ESC Action 240321:02: CNL to reach out to the NWMO for a presentation on the Deep Geological report for the Fall 2024 meeting.</i> <ul style="list-style-type: none"> <li>○ <i>Deferred to October</i></li> </ul> </li> </ul>

9:50 – 10:15 AM <b>CNL Business Update</b>	<p>Jack Craig, CEO, provided a presentation for the Business update.</p> <p><u><b>Actions Addressed:</b></u></p> <ul style="list-style-type: none"> <li>• <i>ESC Action 240627:01: Philip Kompass to send out Fusion Road map booklet to all ESC members. Completed July 2, 2024.</i></li> </ul>
10:15 – 11:00 AM <b>Quarterly Environmental Performance Report</b>	<p>Carla de Waele, Manager, Monitoring Programs &amp; Risk Assessment. Discussion was regarding the Effluent Report and an update on the sewage facility non-compliance.</p> <p><u><b>Action addressed:</b></u></p> <ul style="list-style-type: none"> <li>• <i>ESC Action 240321:02: CNL to provide a presentation about the effluents being released from the Sewage Treatment Plant Effluent Toxicity Test and the reporting process related to effluent monitoring?</i></li> </ul> <p><u><b>Questions Answered in Session:</b></u></p> <ol style="list-style-type: none"> <li>1. Is there an estimate of the daily discharge flow rate?</li> <li>2. Was there any effect in the environment such as dead fish?</li> <li>3. Further to the test after you take the live test fish out of the tank, do you monitor the fish?</li> <li>4. Do you know the longer effects on the test fish?</li> <li>5. When you have completed your test and it failed, can you back track where the problem came from?</li> <li>6. If the tests are done quarterly, what is the frequency for the PH or phosphorus testing to see if the testing is off?</li> <li>7. Do you test radionuclides weekly?</li> <li>8. When you said there was some sewage testing in other locations, where are the other sewage locations? Can you clarify?</li> <li>9. Do you test for ammonia?</li> <li>10. Is a report available regarding the investigation?</li> <li>11. Has there been an exploration of other forms of monitoring beyond the live testing required by regulation?</li> <li>12. Is there another tertiary treatment system using the Ottawa water shed?</li> <li>13. Does effluent from the tertiary system rely on chlorine?</li> <li>14. How often does it get tested?</li> <li>15. Is CNL subjected to the Provincial regulations?</li> <li>16. What is the process for notification?</li> <li>17. Were communities given notice down river?</li> <li>18. Was Ottawa notified?</li> <li>19. Where is the intake for the cooling system at the Ottawa River?</li> <li>20. Is that data put on the CNSC monitoring system or is it independent to CNL?</li> <li>21. Can the colour scheme be changed in the presentation for next meeting, and the print outs be larger?</li> </ol> <p><u><b>New Actions:</b></u></p>

	<ul style="list-style-type: none"> <li>• <i>ESC Action 240627:02: Make Effluent Summary Report available to ESC members.</i></li> <li>• <i>ESC Action 240627:03: Fix the colour scheme / PPT to be larger print.</i></li> </ul>
<p>11:15 – 11:45 PM</p> <p><b>Environmental Remediation Management (ERM) Presentation</b></p>	<p>Sean Gamley, Manager, Planning &amp; Waste Strategy along with Mark Chapman, Director, Fuel Program Division provided a presentation on Integrated Waste Strategy.</p> <p><b><i>Actions Addressed in Session</i></b></p> <p><i>ESC Action 231012:03: ERM Team to provide characterization information on what is included in the waste from WS, G1, DP and how many trips did it take to move the materials to CRL.</i></p> <p><b><i>Questions Answered in Session:</i></b></p> <ol style="list-style-type: none"> <li>1. What fraction of fuel belongs to AECL?</li> <li>2. What kind of waste would go in the waste facility in South Korea, compared to here?</li> <li>3. From your tour of South Korean facility, what did you see as working well, and what were your concerns?</li> </ol> <p><b><i>New Actions:</i></b></p> <ul style="list-style-type: none"> <li>• <i>ESC Action 240627:04: Provide links to the Integrated Waste Strategy after meeting.</i></li> </ul>
<p><b>Tour to Waste Management Areas (WMAs) D/G/H</b></p>	<p><b><u>Questions Answered while on tour to the WMA D/G/H Parking Area.</u></b></p> <ol style="list-style-type: none"> <li>1. Did you say this is how waste is transported and stored?</li> <li>2. Is the fuel air cooled?</li> <li>3. Is it all steel or is there some lead?</li> <li>4. Is the long-term plan to move it from here to disposal facility?</li> <li>5. When were these packages certified?</li> <li>6. Do they have a CNSC license?</li> <li>7. How is the Whiteshell processing going to be determined?</li> <li>8. Is there going to be a new processing facility?</li> <li>9. When NWMO is ready with a DGR, will the shipments from here go directly into the DGR or move into a different type of processing facility?</li> <li>10. Is waste handling done with specialized robotics?</li> <li>11. Is any of the material from Waste Management Area A included in storage here?</li> <li>12. Any of the material from the fuel packaging in this area?</li> <li>13. Are these diagrams/information posted everywhere?</li> <li>14. Are parts of the transportation processes that have been planned related to these areas?</li> <li>15. Is the structure behind you vulnerable for tornado weather? Is there a process of tornado touched down at CNL?</li> </ol>

	<p>16. What happens if the package slides off the truck?      17. How many packages can fit on a truck?</p> <p><u>New Actions:</u></p> <ul style="list-style-type: none"> <li>• No actions.</li> </ul>
<p>12:30 – 12:40 PM  <b>Tour to Global First Power (GFP) future Location</b></p>	<p><u>Questions Answered while on tour of the Global First Power future Location.</u></p> <ol style="list-style-type: none"> <li>1. Is there any discussion about increasing shuttles/ busses for employees to come to work?</li> <li>2. Are there any incentives in place to encourage employees to carpool?</li> <li>3. Was the SMR part of the initial plan or is it a change from the initial parking lot plan?</li> <li>4. How long does it take for the licensing?</li> <li>5. Was there a timeline in place for the GFP construction?</li> <li>6. Is GFP a private or public organization?</li> </ol> <p><u>New Actions:</u></p> <ul style="list-style-type: none"> <li>• No actions.</li> </ul>
<p>1:30 – 1:50 PM  <b>Community Update</b></p>	<p>Philip Kompass, Director, Corporate Communications provided a Community Update. CNL's Public Information Program document was discussed.</p> <p><u>Questions Answered in Session:</u></p> <ol style="list-style-type: none"> <li>1. Do you also send updates to communities if there was an accident?</li> <li>2. Is the GoCo structure private or public sector?</li> </ol> <p><u>New Actions:</u></p> <ul style="list-style-type: none"> <li>• <i>ESC Action 240627:05: Link to be sent out re: Public Information Program (PIP). Completed July 2, 2024</i></li> </ul>
<p>1:50 – 2:00 PM  <b>Advanced Nuclear Materials Research Centre (ANMRC) Site Tour</b></p>	<p>Steve Bemis, Project Manager, Active New Builds</p> <p><u>Questions Answered in Session:</u></p> <ol style="list-style-type: none"> <li>1. Is there a fault line under the ANMRC project?</li> <li>2. How big is the workforce used in the construction?</li> <li>3. Who is the general contractor?</li> <li>4. What are the milestones &amp; timelines?</li> <li>5. How much does this project cost?</li> <li>6. Is there a decommissioning plan @ this point of the project?</li> <li>7. Is this building behind the controlled area perimeter of the CNL site?</li> </ol>

	<p>8. Did CNL look for radionuclide contamination before making plans for the ANMRC build?    9. Is there a decommissioning plan for the building in the future?</p> <p><u>New Actions:</u></p> <ul style="list-style-type: none"> <li>• No actions.</li> </ul>
<p>2:00 – 2:25 PM  <b>Science Collaborations Centre (SCC)/ Harriet Brooks Building Tour</b></p>	<p>Deanna Sheilds, Project Manager, Non-Nuclear Builds, provided a tour of the Science Collaborations Centre.</p> <p><u>Questions Answered in Session:</u></p> <ol style="list-style-type: none"> <li>1. What is the building going to look like in 50 years?</li> <li>2. Is there char factor factored into the wooden timbers used in the construction?</li> <li>3. Were the costs equivalent – Wood vs. Concrete.</li> <li>4. Do you have issues with birds flying into the windows?</li> </ol> <p><u>New Actions:</u></p> <ul style="list-style-type: none"> <li>• No actions.</li> </ul>
<p>3:00 – 3:15 PM  <b>Near Surface Disposal Facility (NSDF) Site Tour</b></p>	<p>Steve Innes, Deputy VP, Capital Projects, provided a site tour of the NSDF site.</p> <p><u>Questions Answered in Session:</u></p> <ol style="list-style-type: none"> <li>1. <i>Are you going to turn all the trees into mass timber?</i></li> <li>2. <i>Do you have a blasting plan for this project?</i></li> <li>3. <i>How many cubic feet is it going to take?</i></li> <li>4. <i>Is the blasting plan something the public can know about?</i></li> <li>5. <i>When you excavate, will there be a local lay down area?</i></li> <li>6. <i>Will topsoil go back in?</i></li> <li>7. <i>Where is the clay used in the construction coming from?</i></li> <li>8. <i>Since the wastewater site is above, will there be a lot of pumping if the NSDF is going to be located on the left side of the rock ridge?</i></li> <li>9. <i>Is there any possibility that excavation may affect the area/adjacent area's water levels?</i></li> <li>10. <i>The last time there was archeological testing, was there anything of interest found?</i></li> <li>11. <i>How long ago was the area apart of the Champlain Sea?</i></li> <li>12. <i>Are there any dates for the stone tools that were found?</i></li> <li>13. <i>Has this new road always been here?</i></li> <li>14. <i>What is the purpose of the animal jump outs?</i></li> </ol> <p><u>New Actions:</u></p> <ul style="list-style-type: none"> <li>• <i>ESC Action 240627:06: Investigate providing a blasting plan for the members.</i></li> </ul>
<p><b>Summary of actions</b></p>	<p><u>New Actions:</u></p> <ul style="list-style-type: none"> <li>• <i>ESC Action 240627: 01: Philip Kompass to send out Fusion Road Map booklet to all ESC members.</i></li> </ul>

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<b>ESC Members:</b>	Algonquins of Pikwàkanagàn First Nation Concerned Citizens of Renfrew County City of Ottawa City of Pembroke Deep River Horticultural Society Four Seasons Conservancy Garrison Petawawa Metis Nation of Ontario Municipalité régionale de comté de Pontiac Ottawa Riverkeeper Pembroke Area Field Naturalists Petawawa Research Forest Renfrew County Council Town of Deep River Town of Laurentian Hills Town of Petawawa	Karen Brethour Ole Hendrickson Josh Elliott  Susan Miller John McKay Tina Hansen Melanie Rose  Larissa Holman Ted Hiscock  Dan Lynch Sue D'Eon Anne Giardini Karen Donovan
<b>Member Alternates:</b>	Old Fort William Cottagers' Association Concerned Citizens of Renfrew County Ottawa Riverkeeper Algonquins of Pikwàkanagàn First Nation	Laura Tanguay Barry Stemshorn Taylor Ozawanimke
<b>ESC Observers:</b>	Atomic Energy of Canada Limited Atomic Energy of Canada Limited Canadian Nuclear Safety Commission	Brett Legree
<b>Additional Observers:</b>	Kitigan Zibi Anishinabeg Town of Petawawa	Jonathan Cote Remi Lavoie
<b>Facilitator:</b>	Tim Fleming	

**CNL:** Jack Craig, CEO & President  
Monica Steedman, Vice President, Environmental Remediation Management

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DRAFT - AGENDA

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Meggan Vickerd, Deputy Vice President, Integrated Waste Services  
Steve Innes, Deputy Vice President, Capital  
Sarah Brewer, Senior Director, Compliance  
Philip Kompass, Director, Corporate Communications  
Mitch MacKay, Director, Director, Communications & Engagement  
Sean Gamley, Manager, Planning & Waste Strategy  
Mark Chapman, Director,  
Jason Chapman, Communications Officer  
Carla De Waele, Manager, Monitoring Programs & Risk Assessment  
Belinda Samson, Sr. Administrative Assistant, Corporate Communications  
Bolu Bello, Communications Coordinator, Corporate Communications

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**Invited Guests:** Taylor Ozaawanimke, Kitigan Zibi Anishinabeg

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**Absent:**

Old Fort William Cottagers' Association	Joann McCann
Petawawa Research Forest	Heidi Erdle
Melodie Hurtbuse,	Kitigan Zibi Anishinabeg
Maude-Émilie Pagé, Director, Communications and Government Reporting, AECL	