

Environmental Stewardship Council (ESC)
MEETING NOTES FOR MEETING #38
Thursday, October 18, 2018 – Chalk River Laboratories, Chalk River, ON
List of Participants noted on last page

9:00 - 9:15 AM	Refreshments
9:15 AM Safety brief, Welcome and Introductions Pat Quinn	<p>Pat Quinn welcomed the council and provided a safety briefing.</p> <ul style="list-style-type: none"> ➤ New CNL Executive members to the ESC <ul style="list-style-type: none"> ○ Mike Gull, Vice President, Decommissioning and Waste Management ○ Cynthia Williams, Vice President, HSSE ➤ ESC alternate members <ul style="list-style-type: none"> ○ Anne Giardini, Town of Laurentian Hills ➤ ESC guest speakers <ul style="list-style-type: none"> ○ Jim Buckley, CNL NSDF Project ○ Steve Innes, CNL Capital Projects ○ Juliet Luiz, CNL NPD Closure Project
9:25 – 9:40 AM Review of actions, previous meeting record and new business. John Vincett	<p>John facilitated a round table discussion and introduction of all participants.</p> <p>He inquired if there were any comments regarding the meeting notes. There were none.</p> <p>John then reviewed actions updated since the last meeting in June 2018.</p> <p>ESC Actions: ESC Action 180405:04 – COMPLETE ESC Action 1800621:01 – ONGOING – When available, CNL will provide information on Small Modular Reactor (SMR) waste management based on SMR design applications. Mark Lesinski is responsible for this action. ESC Action 180621:02 – COMPLETE ESC Action 180621:03 – COMPLETE</p> <p>QUESTIONS on ESC Action 180621:03</p> <ol style="list-style-type: none"> 1. How will the interim cover work (i.e. each cell)? 2. What makes the cover liner so advanced?



	<ol style="list-style-type: none">3. Will weather have an effect on the liner?4. Do you have a detailed inventory list of what will go into the NSDF?5. Why did you choose a range of thicknesses? <p>ESC Action 180621:04 – COMPLETE ESC Action 180621:05 – COMPLETE</p> <p><i>ESC Action 181018:01 – When available, CNL will provide ESC members the detailed inventory of what will go into the NSDF? Mike Gull is responsible for this action.</i></p>
9:40 – 10:00 AM CNL Business Update Mark Lesinski	Mark Lesinski – President & CEO at CNL provided the ESC with a business update which included a re-cap of recent CNL information bulletins, news releases as well as update on the Small Modular Reactor (SMR) siting at Chalk River Laboratories (CRL). QUESTIONS: <ol style="list-style-type: none">1. Will you narrow in down to one SMR vendor?2. Can we get a copy of the Business Updates slides?3. In what stage of the SMR timeline will you get into design engineering?4. What is the half-life of Actinium-225?5. What is the future of AECL owned buildings in the Town of Deep River?
10:00 – 10:15 AM Quarterly Environmental Performance Report George Dolinar	George Dolinar – Director of the Environmental Protection Branch (EPB) at CNL presented the Chalk River Laboratories (CRL) Environmental Performance Summary. The overview included updates on the environmental monitoring program. George also addressed ESC Action 180621:02 with a review of the executive summary of the 2017 Annual Safety Report (ASR) which includes annual CRL environmental monitoring results. QUESTIONS: <ol style="list-style-type: none">1. Do you include the waste brought from Port Hope in the 1970’s in this report?2. What is the source of the heat now that NRU is shut down?3. Do you think there is arsenic in waste management area F?4. Is all monitoring conducted in-house?5. In regards to Figure 4 on page xi of the ASR, do you know what the strontium levels would be if it were not treated?

<p>10:15 – 10:45 AM</p> <p>NSDF Project Update</p> <p>Jim Buckley</p>	<p>Jim Buckley – Near Surface Disposal Facility (NSDF) Project lead at CNL provided a project update on the NSDF schedule adjustment and the new treated effluent transfer design. Jim also covered ESC Action 1800621:03 on comparing similar constructed clay caps to the proposed NSDF.</p> <p>QUESTIONS:</p> <ol style="list-style-type: none"> 1. By adding water to Perch Lake with the pipeline, are you concerned about flooding over time? 2. If you are piping tritiated water directly to Perch Lake, will you stay below the drinking water guidelines that is required? 3. What are the seasonal issues that require the pipeline? 4. Where is the overland flow concern? 5. Has the annual cubic metre estimate changed for effluent discharge with the pipeline? 6. Will the expanded Regional Study Area (RSA) now include the Ottawa River? 7. Is the NSDF still in the planning stage? 8. How can you advertise proven technology on your website when you are still in the planning stage? <p><i>ESC Action 181018:02 – When available, CNL will provide ESC members with a map of the revised NSDF Regional Study Area (RSA). Mike Gull is responsible for this action.</i></p>
<p>10:45 – 11:00 AM</p>	<p>Bio break</p>
<p>11:00 – 11:30 AM</p> <p>NPD Closure Project Update</p> <p>Juliet Luiz</p>	<p>Juliet Luiz – NPD Environmental Analyst at CNL provided a project update to the council including details on NPD schedule adjustment as well as an overview of the draft detailed follow-up monitoring and surveillance program during decommissioning execution and institutional control.</p> <p>QUESTIONS:</p> <ol style="list-style-type: none"> 1. How long is the institutional control phase? 2. Have you ever considered recording the ESC meetings for public viewing? 3. Why are the follow-up monitoring plans separated into three separate documents (effluent, environmental, groundwater) instead of in one document?

<p>11:00 AM – 12:00 PM</p> <p>CRL Infrastructure / Capital Projects</p> <p>Steve Innes</p>	<p>Steve Innes – Manager, CNL Capital Projects gave ESC members a detailed presentation on Chalk River Laboratories’ new campus plan which included major capital projects (domestic water, sanitary sewage treatment plan) and planned new builds (Advanced Nuclear Materials Research Centre, Business Hub, Logistics etc.).</p> <p>QUESTIONS:</p> <ol style="list-style-type: none"> 1. Do you have a dollar value of the CRL capital infrastructure/ projects? 2. Do you see a reduction in recycling material by relocating the logistics building to the outer gate? 3. Could future government change your funding on these projects?
<p>12:00 – 12:45 PM</p>	<p>Lunch</p>
<p>12:45 – 1:15 PM</p> <p>Decommissioning & Waste Management Update</p> <p>Mike Gull</p>	<p>Mike Gull – The new Vice President, Decommissioning & Waste Management (DWM) at CNL gave an update about decommissioning and waste management activities at Chalk River including, facilities decommissioning, waste management and environmental remediation, fuel package and storage facility and HEU fuels and target residue material. Mike also discussed the expansion of waste management areas D, G and H.</p> <p>QUESTIONS:</p> <ol style="list-style-type: none"> 1. How do you dispose of the asbestos? 2. What is your philosophy on prompt or deferred decommissioning of reactors? 3. Are you looking at entombment for the NRX or NRU reactor? 4. How accessible it is to the public for details on the CNL budget? 5. What is the current detailed decommissioning plan for Whiteshell Laboratories (WL)? 6. What is the current schedule for transporting the WL fuel to Chalk River? <p><i>ESC Action 181018:03 – CNL Corporate Communications will send an email link to ESC members to provide further information on CNL’s consolidation and transportation of nuclear materials. Nicole LeBlanc is responsible for this action.</i></p>
<p>1:15 – 3:00 PM</p> <p>Walking Tour of CRL</p> <p>Philip Kompass</p>	<p>Walking tour of Chalk River Laboratories.</p>



3:00 PM	John Vincett gave a recap of the meeting and reviewed the actions and reminded council to fill out evaluation forms.
Closing	2019 proposed 2019 ESC meeting dates – March 28, June 20 (at CRL), October 24
John Vincett	<i>ESC Action 181018:04 – CNL Corporate Communications will send an email to ESC members to confirm the proposed 2019 ESC meeting dates. Nicole LeBlanc is responsible for this action.</i> There were no comments on the new actions or the meeting recap.

ESC Participants:

Bruce Biggam, Deep River Horticultural Society
James Gibson, Municipalité régionale de comté de Pontiac
Ole Hendrickson, Concerned Citizens of Renfrew County
Joan Lougheed, Town of Deep River
John McKay, Four Seasons Conservancy
Kari Richardson, Municipalité régionale de comté de Pontiac
Craig Robinson, Old Fort William Cottagers' Association
Theresa Sabourin, Town of Petawawa

ESC Alternates:

Anne Giardini, Town of Laurentian Hills

Canadian Nuclear Laboratories:

Shaun Cotnam, Senior Director, Compliance
George Dolinar, Environmental Program Authority
Mike Giardini, DWM Communications Officer, Corporate Communications
Mike Gull, Vice President, Decommissioning and Waste Management
Nicole LeBlanc, Communications Officer, Corporate Communications
Mark Lesinski, President & CEO
Pat Quinn, Director, Corporate Communications
Cynthia Williams, Vice President, HSSE

Invited Observers:

Brian Colby, CNL – Environmental Remediation
Wasif Islam, Canadian Nuclear Safety Commission
Shannon Quinn, Atomic Energy of Canada Limited
Meggan Vickerd, CNL – NPD Closure Project

Facilitator:

John Vincett, Public Dialogue Alternatives

Invited Guests:

Jim Buckley, CNL – NSDF Project
Steve Innes, CNL Capital Projects
Philip Kompass, CNL – Site Visits
Juliet Luiz, CNL – NPD Closure Project

Absent:

Peter Arbour, Petawawa Research Forest
Kristi Beatty, Ducks Unlimited
Meredith Brown, Ottawa Riverkeeper
Ron Gervais, City of Pembroke
Meghan Hendry, Garrison Petawawa
Ken Hooles, Pembroke Area Field Naturalists
Marc Laurin, Métis Nation of Ontario, North Bay
Jim Meness, Algonquins of Pikwakanagan
Jed Reinwald, Town of Laurentian Hills
Walter Stack, Renfrew County Council