

Environmental Stewardship Council (ESC)
MEETING NOTES FOR MEETING #35
Thursday, October 26, 2017 – Chalk River Laboratories & Town of Deep 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"> ➤ ESC guest observer <ul style="list-style-type: none"> ○ Lisa Donnelly, CNSC (P.M. only) ○ John Thelen, CNSC (P.M. only) ○ Nhan Tran, CNSC (P.M. only) ➤ ESC alternate members <ul style="list-style-type: none"> ○ Matthew Cybulski, Garrison Petawawa ○ Murray Rutz, Town of Petawawa (A.M. only) ➤ ESC guest speakers <ul style="list-style-type: none"> ○ Pat Daly, CNL NDP Closure Project (P.M. only) ○ Carla De Waele, Environmental Protection (P.M. only) ○ Annie Morin, Environmental Protection (P.M. only) ○ Meggan Vickerd, CNL NPD Closure Project (P.M. only)
9:20 – 9:40 AM CNL Business Update Kurt Kehler	<p>Kurt Kehler – Vice President, Decommissioning & Waste Management at CNL provided the ESC with a business update which included a review of recent CNL Information Bulletins including: CNL to "ramp up" hiring of science and technology staff; CNL releases summary report on Small Modular Reactor RFEOI; CNL announces new National Innovation Centre for Cyber Security in Fredericton; CNL works to strengthen relationships with local businesses; Canadian Nuclear Laboratories receives OCNI Special Achievement Award; CNL celebrates 60 years of NRU operation; CNL receives strong response to small modular reactor RFEOI; CNL celebrates Canadian science and technology at the 2017 Open House; and CNL hosts Martine Ouellet at the Chalk River Laboratories. He also discussed the Chalk River Laboratories (CRL) Site - 10 year Licence Renewal Application CNSC Public Hearing being held on 2018 January 24 & 25 at the Best Western Pembroke Inn & Conference Centre.</p> <p>QUESTIONS:</p> <ol style="list-style-type: none"> 1. Can you speculate on the path forward for Small Modular Reactors (SMRs), i.e. timeline, number of SMRs? 2. What is the earliest date that a SMR could be built at CNL?



	<p>3. Will SNC-Lavalin have an advantage as it is a parent company?</p> <p>4. Do you have SMR design information on your website?</p>
<p>10:00 AM – 12 Noon</p> <p>Frank Cowan Shaun Holder Mel Holmes</p>	<p>Harriett Brooks Building 350 and Chalk River Laboratories walking tour.</p>
<p>12:00 – 12:30 PM</p>	<p>Travel to Deep River Community Church – Christian Education Centre</p>
<p>12:30 – 1:00 PM</p>	<p>Lunch</p>
<p>1:00 – 1:15 PM</p> <p>Review of actions, previous meeting record and new business.</p> <p>John Vincett</p>	<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 2017.</p> <p>ESC Action 150617:02 – ONGOING – Decommissioning & Waste Management will update ESC members on Waste Data Tracking System software implementation. Kurt Kehler is responsible for this action.</p> <p>ESC Action 161013:02 – COMPLETE</p> <p>ESC Action 161013:06 – ONGOING – NPD closure project to provide an update to the ESC on the concrete grout (assumptions, formulation, criteria, quality control and future monitoring). Kurt Kehler is responsible for this action.</p> <p>ESC Action 161013:08 – COMPLETE</p> <p>ESC Action 170323:01 – COMPLETE</p> <p>ESC Action 170323:02 – ONGOING – Canadian Nuclear Laboratories will provide an update at a future ESC meeting regarding CNL’s role and progress in the production of plutonium 238 space batteries. Mark Lesinski is responsible for this action.</p> <p>ESC Action 170622:01 – COMPLETE</p> <p>ESC Action 170622:02 – COMPLETE</p>



	<p>ESC Action 170622:03 – ONGOING – CNL to provide a presentation at a future ESC meeting on the monitoring and measurements that have been conducted on CRL site streams and lakes. George Dolinar is responsible for this action.</p> <p>ESC Action 170622:04 – ONGOING – CNL to provide a presentation at a future ESC meeting detailing the approach to stored liquid waste including process and timeline. Kurt Kehler is responsible for this action.</p> <p>ESC Action 170622:05 – COMPLETE</p> <p>ESC Action 170622:06 – COMPLETE</p> <p>ESC Action 170622:07 – COMPLETE</p> <p>ESC Action 170622:08 – COMPLETE</p> <p><i>ESC Action 171026:01 – CNL Corporate Communications will send an email to ESC members to gauge interest of a Spring 2018 benchmarking trip to Port Hope/Port Granby as well as a final tour of NRU prior to the March 2018 closure. ESC members must provide a response by 2017 November 17. Nicole LeBlanc is responsible for this action.</i></p>
<p>1:15 – 1:45 PM</p> <p>Quarterly Environmental Performance Report</p> <p>Carla De Waele</p>	<p>Carla De Waele - Environmental Specialist within 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 including the submission of the CRL Effluent Monitoring and CRL Environmental Monitoring reports to the CNSC. Carla also provided an update on key dates for the NSDF, NDP and WR-1 closure project.</p> <p>QUESTIONS:</p> <ol style="list-style-type: none"> 1. What other environmental impacts do you anticipate with the closure of NRU? 2. Did you detect any impact on environmental monitoring with the recent spring flooding?
<p>1:45 – 2:15 PM</p> <p>Decommissioning & Waste Management Update</p> <p>Kurt Kehler</p>	<p>Kurt Kehler – Vice President, Decommissioning & Waste Management 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. Additional updates included the CNL Integrated Waste Strategy and the CNL Transportation Program. Kurt also announced the change to the NSDF waste inventory, publicising the NSDF will only accept low level waste as defined per International Atomic Energy Agency (IAEA) GSG-1.</p> <p>QUESTIONS:</p> <ol style="list-style-type: none"> 1. When was the decision made to remove Intermediate Level Waste (ILW) from the NSDF waste inventory? 2. What will happen with ILW now; what are your plans? 3. Will you still be importing waste from other CNL sites? 4. Are you willing to look at alternate sites for this waste? 5. Can you confirm that low level radionuclides are going to be isolated for the long term and there will be no impact to the Ottawa River?

	<p>6. Are you currently receiving waste from Whiteshell Laboratories? 7. Is that all three levels of waste - low-level, intermediate and high-level waste? 8. Is the Fuel Packaging and Storage Facility (FPS) permanent storage? 9. Is the contaminated soil at Spring B near the vicinity of the proposed NSDF?</p> <p>QUESTION TO THE CNSC: 1. Will there be an opportunity to discuss the NSDF at the upcoming public hearing in Pembroke, January 2018?</p> <p><i>ESC Action 171026:02 – CNL Corporate Communications will send a link to ESC members directing them to the update on CNL.ca regarding the decision to eliminate Intermediate Level Waste (ILW) from the NSDF. Nicole LeBlanc is responsible for this action.</i></p>
<p>2:15 – 3:00 PM</p> <p>NPD/NSDF Environmental Impact Statement Valued Components (VCs)</p> <p>Annie Morin</p>	<p>Annie Morin – Environmental Specialist within the Environmental Protection Branch (EPB) at CNL gave a presentation on the Valued Components (VCs) that were identified in the NPD and NSDF Environmental Impact Statement (EIS). Annie provided a synopsis of VCs definitions, types, effects, framework, scoping, modelling, selection and mitigation in relation to each project.</p> <p>QUESTIONS: 1. What about VCs effected by human use, i.e. bear, moose etc. Why were they screened out? 2. What about aquatic VCs, i.e. fresh water mussels, lake sturgeon etc.?</p>
<p>3:00 – 4:00 PM</p> <p>NPD Closure Project Update</p> <p>Meggan Vickerd</p>	<p>Meggan Vickerd – Manager, NPD Operations at CNL presented to the council of an overview of the NPD Closure project Environmental Impact Statement (EIS) that was submitted to the CNSC.</p> <p>QUESTIONS: 1. Do you have an example of other high level megawatt reactors that have been in-situ decommissioned? 2. What will you do if the Swifts start to show affects of the decommissioning; do you have a back-up plan? 3. Do you know when (date) the Swifts started to roost at NPD?</p>
<p>4:00 PM</p> <p>Closing</p> <p>John Vincett</p>	<p>John Vincett gave a recap of the meeting and reviewed the actions and reminded council to fill out evaluation forms.</p> <p>2018 proposed ESC meeting dates – March 22, June 21, October 18</p>



ESC Action 171026:03 – CNL Corporate Communications will send an email with proposed 2018 meeting dates to ESC members to identify scheduling conflicts, if any. ESC members must provide a response by 2017 December 15. Nicole LeBlanc is responsible for this action.

There were no comments on the new actions or the meeting recap.

ESC Participants:

Peter Arbour, Petawawa Research Forest
Bruce Bigham, Deep River Horticultural Society
Ole Hendrickson, Concerned Citizens of Renfrew County
Joan Lougheed, Town of Deep River
John McKay, Four Seasons Conservancy
Craig Robinson, Old Fort William Cottagers' Association

ESC Alternates:

Matthew Cybulski, Garrison Petawawa
Murray Rutz, Town of Petawawa

Canadian Nuclear Laboratories:

Shaun Cotnam, Senior Director, Compliance
Kevin Daniels, Vice President, HSSE
Kurt Kehler, Vice President, Decommissioning and Waste Management
Nicole LeBlanc, Communications Officer, Corporate Communications
Pat Quinn, Director, Corporate Communications
TBD, Director, DWM Science & Technology Transition Advisor
TBD, Environmental Scientist, Environmental Technologies

Invited Observers:

Lisa Donnelly, Canadian Nuclear Safety Commission (CNSC)
John Thelen, Canadian Nuclear Safety Commission (CNSC)
Nhan Tran, Canadian Nuclear Safety Commission (CNSC)
Maude-Émilie Pagé, Atomic Energy of Canada Limited (AECL)

Facilitator:

John Vincett, Public Dialogue Alternatives

Invited Guests:

Pat Daly, CNL – NPD Closure Project
Carla De Waele – Environmental Protection
Mike Giardini, CNL – DWM Communications
Annie Morin – Environmental Protection
Meggan Vickerd, CNL – NPD Closure Project

Absent:

Meredith Brown, Ottawa Riverkeeper
George Dolinar, Environmental Program Authority
Ron Gervais, City of Pembroke
James Gibson, Municipalité régionale de comté de Pontiac
Meghan Hendry, Garrison Petawawa
Ken Hooles, Pembroke Area Field Naturalists
Wasif Islam, Canadian Nuclear Safety Commission (CNSC)
Mark Lesinski, President & CEO
Marc Laurin, Métis Nation of Ontario, North Bay
Bob MacKenzie, Upper Ottawa Valley Ducks Unlimited
Jim Meness, Algonquins of Pikwakanagan
Jed Reinwald, Town of Laurentian Hills
Theresa Sabourin, Town of Petawawa
Walter Stack, Renfrew County Council