

Environmental Stewardship Council (ESC)
MEETING NOTES FOR MEETING #29 (DRAFT UNTIL ACCEPTED)
Thursday, October 29, 2015 – Canadian Nuclear Laboratories (CNL) – Chalk River, ON
List of Participants noted on last page

8:30 – 9:00 AM: Arrive at Chalk River Laboratories	
9:00 - 9:30 AM	Refreshments
9:30 AM Safety brief, Welcome and Introductions Pat Quinn	Pat Quinn welcomed the council and provided a safety briefing. <ul style="list-style-type: none"> ➤ ESC alternate members <ul style="list-style-type: none"> ○ John Muff - Pembroke Area Field Naturalists ○ Christine Reavie – City of Pembroke ○ Lindsey Russell – Petawawa Research Forest ➤ ESC guest speakers <ul style="list-style-type: none"> ○ Shannon Quinn – AECL ○ Adrienne Ethier – CNL
9:40 – 9:50 AM Review of actions, previous meeting record and new business. John Vincett	John facilitated a round table discussion and introduction of all participants. He inquired if there were any comments regarding the meeting notes. There were none. John then reviewed actions updated since the last meeting in April 2015. ESC Action 141016:3 – COMPLETE ESC Action 150617:1 – COMPLETE ESC Action 150617:2 – ONGOING – Decommissioning & Waste Management will update ESC members upon software implementation. Kurt Kehler is responsible for this action.

<p>9:50 – 10:50 AM</p> <p>CNL Business Update</p> <p>Mark Lesinski</p>	<p>Mark Lesinski – President & CEO at CNL provided the ESC with a business update on the new 2026 vision of CNL.</p> <p>QUESTIONS:</p> <ol style="list-style-type: none"> 1. Where does a new reactor fit in? 2. How will you address the Low Level regulatory concerns if any? 3. Do you plan to refurbish the hot cells (B375) now or will you wait until the proposed new facility is built? 4. Do you have any thoughts on the linear no threshold?
<p>10:45 – 11:00 AM</p>	<p>Bio break</p>
<p>11:00 - 11:15 AM</p> <p>AECL's roles & responsibilities</p> <p>Shannon Quinn</p>	<p>Shannon Quinn – Vice-President, Science, Technology and Commercial Oversight at AECL gave a presentation on AECL's role and responsibilities within the GoCo model subsequent to share transfer.</p> <p>QUESTIONS:</p> <ol style="list-style-type: none"> 1. Is CNL contracted by AECL; is it correct that CNL reports to AECL and AECL reports to the Government? 2. Who is responsible for tracking the governments' environmental liabilities progress and who will report results to Canadians? 3. Are 50 employees enough personnel to oversee the substantial CNL contract?
<p>11:15 – 11:30 AM</p> <p>Quarterly Environmental Performance Report</p> <p>George Dolinar</p>	<p>George Dolinar - Environmental Program Authority 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, monitoring updates and an update on current activities. These included the submission of the annual Environmental Monitoring Report submission to the CNSC, the CNSC inspection of the CRL Groundwater Monitoring Program and confirmed that CNL will proceed with the design of alternate habitat for the chimney swifts at NPD. A request will be sent out shortly to interest groups to gauge interest in assisting with the design, inclusion of features for future research and future monitoring of the new habitat.</p> <p>QUESTIONS:</p> <ol style="list-style-type: none"> 1. In the past it was mentioned that CNL was researching an Environmental Data Management Tool; have you selected one? 2. Is there an opportunity to share/exchange data in regards to species at risk with the Four Seasons Conservancy? <p><i>ESC Action 151029:01 – CNL to follow up and confirm if a mechanism to integrate wildlife information to broaden the database of species at risk can be established. George Dolinar is responsible for this action.</i></p>



<p>11:30 – 12:00 PM</p> <p>Future effects monitoring and how it relates to the Environmental Risk Assessment (ERA)</p> <p>Adrienne Ethier</p>	<p>Adrienne Ethier – Environmental Specialist with Environmental Protection Branch at AECL gave members a presentation on CRL Environmental Effects Monitoring and how it relates to the Environmental Risk Assessment (ERA). She talked about the ERA protection goals, ecological linkages, ERA recommendation/s status, confirmation of effects and monitoring framework. As well, the overview of CRL effects monitoring data and research and how the data is integrated and implemented.</p> <p>QUESTIONS:</p> <ol style="list-style-type: none">1. Have you considered a comprehensive study of the wolf population at CRL?2. Do you know what types of wolves are present at CRL?3. In regards to benthic soil invertebrates, what parameters do you use for in-soil organisms?4. Do you know how many large animals you have at CRL and do you keep records of the species? <p><i>ESC Action 151029:02 – Recover the CRL historical data on large mammal counts on-site and present data to the ESC members. George Dolinar is responsible for this action.</i></p>
<p>12:00 – 12:45 PM</p>	<p>Lunch</p>
<p>12:45 – 1:15 PM</p> <p>CNL Tree Swallow Update</p> <p>David Lee</p>	<p>David Lee – Senior Environmental Scientist at CNL presented to the council an update on the results of the CNL Tree Swallow project at CRL. He shared results of the ecological effects, nesting observations, migratory return rate and dose rates in the Tree Swallows at CRL.</p> <p>QUESTIONS:</p> <ol style="list-style-type: none">1. What is the life expectancy of a tree swallow?2. Are you concerned about the age variance of the birds?3. What is the current tree swallow population in our area and is there a concern for extinction?4. What is their migration pattern; where do they spend winter?5. Have you monitored the hawk population at CRL?6. Can you do anything in regards to the raccoon’s sabotaging the tree swallow nests?

<p>1:15 – 1:45 PM</p> <p>Decommissioning & Waste Management Update</p> <p>Kurt Kehler</p>	<p>Kurt Kehler – Vice President, Decommissioning and Waste Management at CNL gave an update about decommissioning and waste management activities at Chalk River. He noted the new Nuclear Environmental Stewardship Strategic Outcome and highlighted 2014/15 projects. These projects include the following: Decommissioning of building 200B, NRX ancillary buildings 103/104, waste water evaporator building, NRX fuels storage and handling bays and the shielded modular above ground storage (SMAGS) facility. Additionally, upcoming DWM projects include: Initiating the design and licensing phase of the Near Surface Disposal Facility (NSDF) and the decommissioning of NPD including reactor in-situ decommissioning.</p> <p>QUESTIONS:</p> <ol style="list-style-type: none"> 1. What is the status of the geological repository study? 2. Are Renfrew County seismic characteristics similar to some of the areas you have worked in the USA? 3. What wastes are you considering for the NSDF? 4. Will you re-locate Whiteshell Laboratories low level waste to this facility? 5. Do you have accessible information or documents with detailed information of other NSDF? 6. In regards to in-situ decommissioning, how active is the material below ground? <p><i>ESC Action 151029:03 – .Provide a link/s to reference documents in the public domain to ESC members that describe success of NSDF at other nuclear sites. Kurt Kehler is responsible for this action.</i></p> <p><i>ESC Action 151029:04 – CNL Corporate Communications will provide a link to the CNL Nuclear Review. Nicole LeBlanc is responsible for this action.</i></p>
<p>1:45 – 2:00 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>Proposed 2016 ESC meeting dates: 2016 March 24 2016 June 16 at Chalk River Laboratories 2016 October 13</p> <p><i>ESC Action 151029:05 – CNL Corporate Communications will send out proposed 2016 ESC meeting dates to ESC members for approval. Nicole LeBlanc is responsible for this action.</i></p> <p>There were no comments on the new actions or about the recap of the meeting.</p>



2:15 – 3:15 PM CRL Site Tour Sam Suppiah & Hugh Boniface	Hydrogen Isotope Technology (HIT) Laboratory Tour.
3:15 – 3:30 PM	Adjournment and depart site.

ESC Participants:

Bruce Bigham, Deep River Horticultural Society
Meghan Hendry, Garrison Petawawa
Robert Kingsbury, Renfrew County Council
John McKay, Four Seasons Conservancy
Craig Robinson, Old Fort William Cottagers' Association
Theresa Sabourin, Town of Petawawa

ESC Alternates:

John Muff, Pembroke Area Field Naturalists
Christine Reavie, City of Pembroke
Lindsey Russell, Petawawa Research Forest

Canadian Nuclear Laboratories:

Shaun Cotnam, Senior Director, Compliance
Kevin Daniels, General Manager, HSSE
George Dolinar, Environmental Program Authority
Kurt Kehler, Vice President Decommissioning and Waste Management
Nicole LeBlanc, Communications Officer, Corporate Communications
David Lee, Environmental Scientist, Environmental Technologies
Mark Lesinski, President & CEO
Steve Liblong, Director, DWM S&T Transition Advisor
Mitch MacKay, Communications Officer, NLLP
Pat Quinn, Director, Corporate Communications

Invited Observers:

Wasif Islam, Canadian Nuclear Safety Commission

Facilitator:

John Vincett, Public Dialogue Alternatives

Invited Guests:

Adrienne Ethier, Environmental Scientist, CNL
Lou Riccoboni, VP Corporate Affairs, CNL
Maude Page, Director of Communications, AECL
Shannon Quinn, Vice-President, Science, Technology and Commercial Oversight, AECL

Absent:

Peter Arbour, Petawawa Research Forest
Meredith Brown, Ottawa Riverkeeper
James Gibson, Municipalité régionale de comté de Pontiac
Steve Gutzman, Parkline Sportsmen Club
Ken Hooles, Pembroke Area Field Naturalists
Marc Laurin, Métis Nation of Ontario, North Bay
Joan Lougheed, Town of Deep River
Bob MacKenzie, Upper Ottawa Valley Ducks Unlimited
Jim Meness, Algonquins of Pikwakanagan
Jed Reinwald, Town of Laurentian Hills
Karen Stokes, Ontario Ministry of Natural Resources, Pembroke