



**Environmental Stewardship Council (ESC)
MEETING NOTES FOR MEETING #27 (DRAFT UNTIL ACCEPTED)
Wednesday, April 01, 2015 – Travelodge Pembroke
List of Participants noted on last page**

8:30 – 9:00 AM: Arrive at Travelodge Pembroke	
9:00 - 9:30 AM	Refreshments
9:30 AM	<p>Pat Quinn welcomed the council and provided a safety briefing.</p> <ul style="list-style-type: none">➤ New ESC Members<ul style="list-style-type: none">○ Robert Kingsbury – Renfrew County Council (replace Audrey Green)○ Mayor Joan Lougheed – Town of Deep River (replace Dave Thompson)○ Mayor Jed Reinwald – Town of Laurentian Hills (replace Dick Rabishaw) ➤ ESC Alternate Members (today)<ul style="list-style-type: none">○ Aubrie Carruthers – Garrison Petawawa for Meghan Hendry○ Stephanie Parzei – Petawawa Research Forest for Peter Arbour○ John Clarke – CNL – guest speaker○ Andrew Erlandson – CNL – guest speaker
9:40 – 9:50 AM Review of actions, previous meeting record and new business. John Vincett	<p>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 encouraged Council to consider the option of electronic meeting packages and asked for suggestions for the future.</p> <p>John then reviewed actions updated since the last meeting in October 2014.</p> <p>ESC Action 141016:1 – Complete ESC Action 141016:2 – Complete ESC Action 141016:3 – Ongoing: presentation to ESC members scheduled for fall 2015.</p>

<p>9:50 – 10:10 AM</p> <p>CNL Business Update</p> <p>Bob Walker</p>	<p>Bob Walker – President & CEO at CNL provided the ESC with a business update touching upon the following items: Restructuring, Canadian Nuclear Laboratories and CRL recapitalization. He presented on the status of restructuring as well as updated timelines. Finally he gave an overview of CRL’s recapitalization plans and progress.</p> <p>QUESTIONS:</p> <ol style="list-style-type: none"> 1. Has the license for NRU been extended and has it been approved? 2. Will a change in government change the process to the restructuring of CNL? 3. Do you have a schedule and start date for the upgrade of the domestic water line project? 4. Is there an isotope commitment during the two year extension of NRU?
<p>10:10 - 10:30 AM</p> <p>Update on the outcome and actions of the CNSC Public Meetings</p> <p>Shaun Cotnam</p>	<p>Shaun Cotnam – Senior Director, Compliance at CNL updated the council on the recently attended Canadian Nuclear Safety Commission (CNSC) public meetings. His presentation included findings from the 2013 Annual Performance Report highlighting overall performance, environmental protection and safety performance.</p> <p>QUESTIONS:</p> <ol style="list-style-type: none"> 1. What is the difference between satisfactory versus fully satisfactory in the CNSC reporting? 2. In regards to the annual tritium concentration in drinking water at Petawawa and Pembroke; is that all sources of tritium, or just from CNL? <p>ESC ACTION 150401:1 - CNSC to provide details on initiatives to change tritium level standards in drinking water to ESC members via email through CNL Communications. Wasif Islam and Nicole LeBlanc are responsible for this action.</p>
<p>11:10 – 11:25 AM</p>	<p>Bio break</p>
<p>10:45 – 11:45 AM</p> <p>New Sanitary Sewage Treatment Facility</p> <p>John Clarke</p>	<p>John Clarke – Manager, Infrastructure & Projects at CNL gave a presentation on the upgrading of CNL Sanitary Sewage Treatment Facility. He provided background information on the facility and introduced the project plan. The requirements include design, treatment options and an environmental effects review. Construction is expected to commence in fall 2015.</p> <p>QUESTIONS:</p> <ol style="list-style-type: none"> 1. Do you know what is going down the drains at CNL and are there regulations on what goes into the drains? 2. Do you have any issues with storm sewer runoff coming into your drain system? 3. In the project plan, does it include infrastructure of piping coming into the sewage treatment facility?
<p>11:45 – 1:00 PM</p>	<p>Lunch</p>



<p>1:00 – 1:30 PM</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 provided a link to the new CNSC Independent Environmental Monitoring Program (IEMP) website map.</p> <p>QUESTIONS:</p> <ol style="list-style-type: none">1. Will Enbridge Gas be constructing a new pipeline to site with the conversion to natural gas to CNL?2. Will the cooling water outfall be affected with the shutdown of NRU?3. Will the change in outfall have thermal impacts on the river and will you still monitor?4. In regards to infrastructure projects; have you considered the advantages of having a more reliable electricity supply to CNL? <p>ESC ACTION 150401:12 - CNSC to confirm the frequency of sampling results posted to the Independent Environmental Monitoring Program (IEMP) website to ESC members via email through CNL Communications. Wasif Islam and Nicole LeBlanc are responsible for this action.</p>
<p>1:30 – 2:15 PM</p> <p>Decommissioning & Waste Management Update</p> <p>Joan Miller</p>	<p>Joan Miller – Vice President, Decommissioning and Waste Management at CNL gave an update about decommissioning and waste management activities at Chalk River. She noted the Nuclear Environmental Stewardship Strategic Outcome and the Nuclear Environmental Stewardship Programs, and provided details for the current projects that fall under her division. These projects include the following: NRX stack duct decommissioning, heavy water upgrading plant decommissioning, and plutonium tower decommissioning. Additionally, waste management area activities, an update on NPD, repatriation and upcoming DWM projects. Joan also provided a summary of CRL waste for 2014 as well as details on international collaborations.</p> <p>QUESTIONS:</p> <ol style="list-style-type: none">1. What will happen to the chimney swifts at NPD?2. How many years will it take to transport the fuel rods?3. What do you mean by the term “drying” the fuel?4. Are the chimney swifts a threatened species?5. How far will CNL go to maintain the chimney swift habitat?6. Do you have a partnership in the community for your clean waste disposal?7. In regards to HEU, do you know what McMaster does with their fuel?
<p>2:15 – 2:30 PM</p>	<p>Bio break</p>



2:30 – 3:30 PM Muon Tomography Andrew Erlandson	Andrew Erlandson – a Physicist at CNL introduced the council to a new Research and Development (R&D) project on at CNL on Muon Tomography. His presentation described CNL and collaborative partner’s innovative design of the Cosmic Ray Inspection Passive Tomography (CRIPT) prototype. Andrew explained the CRIPT’s application capabilities and test results to date. QUESTIONS: 1. How long before we could see CRIPT technology in airports? 2. Can muons fluctuate over time?
3:30 – 3:45 PM In the Community Nicole LeBlanc	Nicole LeBlanc - Public Affairs Officer at CNL gave an update on CNL’s activities with the public since the last meeting in October 2014. Upcoming community events include Petawawa SHOWCASE, OPTIONS Skilled Trades Fair and Relay For Life.
3:45 – 4:00 PM Closing John Vincett	John Vincett gave a recap of the meeting and reviewed the actions and reminded council to fill out evaluation forms. Next ESC meeting – Wednesday, June 17, 2015 There were no comments on the new actions or about the recap of the meeting.

ESC Participants:

Bruce Bigham, Deep River Horticultural Society
Meredith Brown, Ottawa Riverkeeper
Ron Gervais, City of Pembroke
James Gibson, Municipalité régionale de comté de Pontiac
Steve Gutzman, Parkline Sportsmen Club
Ole Hendrickson, Concerned Citizens of Renfrew County
Ken Hooles, Pembroke Area Field Naturalists
Robert Kingsbury, Renfrew County Council
Joan Lougheed, Town of Deep River
Bob MacKenzie, Upper Ottawa Valley Ducks Unlimited
John McKay, Four Seasons Conservancy
Jed Reinwald, Town of Laurentian Hills

ESC Alternates:

Aubrie Carruthers, Garrison Petawawa
Stephanie Parzei, Petawawa Research Forest

Canadian Nuclear Laboratories:

Shaun Cotnam, Senior Director, Compliance
George Dolinar, Environmental Program Authority
Nicole LeBlanc, Public Affairs Officer, Corporate Communications
Steve Liblong, Director, Waste Management & Environmental Rest.
Mitch MacKay, Communications Officer, NLLP
Joan Miller, Vice President Decommissioning and Waste Management
Kathy Smith, General Manager, HSSE
Pat Quinn, Director, Corporate Communications
Bob Walker, President & CEO

Invited Observers:

Wasif Islam, Canadian Nuclear Safety Commission

Facilitator:

John Vincett, Public Dialogue Alternatives

Invited Guests:

John Clarke, CNL
Andrew Erlandson, CNL

Absent:

Peter Arbour, Petawawa Research Forest
Christian Carrier, Director, CRL Compliance and Licensing Division, Canadian Nuclear Safety Commission
Meghan Hendry, Garrison Petawawa
Marc Laurin, Métis Nation of Ontario, North Bay
David Lee, Environmental Scientist, Environmental Technologies
Jim Meness, Councillor, Algonquins of Pikwakanagan
Craig Robinson, Old Fort William Cottagers' Association
Theresa Sabourin, Councillor, Town of Petawawa
Karen Stokes, Ontario Ministry of Natural Resources, Pembroke