

**Environmental Stewardship Council (ESC)**  
**MEETING NOTES FOR MEETING #28 (DRAFT UNTIL ACCEPTED)**  
**Wednesday, June 17, 2015 – Best Western Pembroke Inn**  
**List of Participants noted on last page**

8:30 – 9:00 AM: Arrive at Best Western Pembroke Inn	
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"> <li>➤ ESC Alternate Members (today) <ul style="list-style-type: none"> <li>○ Stephanie Parzei – Petawawa Research Forest for Peter Arbour</li> <li>○ Mayor Mike LeMay – City of Pembroke</li> <li>○ Hugh Boniface – CNL – guest speaker</li> <li>○ Annie Morin – CNL – guest speaker</li> <li>○ Meghan Murrant – CNL – guest speaker</li> </ul> </li> </ul>
<p>9:40 – 9:50 AM</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 April 2015.</p> <p>ESC Action 141016:3 – Ongoing: presentation to ESC members scheduled for fall 2015.  ESC Action 150401:1 - COMPLETE  ESC Action 150402:2 – COMPLETE</p>



9:50 – 10:10 AM CNL Business Update Bob Walker	Bob Walker – President & CEO at CNL provided the ESC with a business update on the Federal Government’s commitment to CNL as a Three Mission National Laboratory. He presented on the status of restructuring, with updated timelines and details on the preferred bidder announcement process.  QUESTIONS: <ol style="list-style-type: none"><li>1. How is CNL responding to current climate change?</li><li>2. In regards to your three missions; why is basic research not included?</li></ol>
10:10 - 10:45 AM Species at Risk Annie Morin/Meghan Murrant	Annie Morin and Meghan Murrant – Environmental Specialists at CNL gave a presentation on Species at Risk and distributed the CNL species at risk field guide. The talk incorporated species at risk inventory and management; detailing data collection, habitat mapping, monitoring and mitigation. Annie also included an example of an Environmental Risk Assessment (ERA) with the recent Enbridge Gas pipeline project.  QUESTIONS: <ol style="list-style-type: none"><li>1. Who is responsible for monitoring the wetlands during the pipeline construction?</li><li>2. What criteria do you use to determine if a species is at risk?</li><li>3. Do you look at species at risk on-site only; or do you include surrounding areas?</li><li>4. Has there been any development on a new habitat for the chimney swifts?</li><li>5. At one time there was discussion about transplanting butternut trees from CNL to southern Ontario; did this happen?</li><li>6. Has CNL completed any studies on the common night hawk?</li><li>7. Based on the inventory in your field guide; have you considered a parallel program with Four Seasons Conservancy to share data?</li><li>8. Does weather affect the date of when the chimney swifts arrive?</li></ol>
10:45 – 11:00 AM	Bio break

<p>11:00 – 12:00 PM</p> <p>Emergency Preparedness Update</p> <p>Kathy Smith</p>	<p>Kathy Smith – General Manager of Health, Safety, Security and Environment at CNL provided the council with an update on the recent Emergency Evacuation Exercise and CNL Emergency Preparedness Program.</p> <p>QUESTIONS:</p> <ol style="list-style-type: none"> <li>1. Is there an opportunity for CNL to meet with Town of Deep River and Garrison Petawawa to discuss lessons learned from the recent emergency evacuation exercise?</li> <li>2. What is in place for alerting the Pontiac County in the event of an emergency at CNL?</li> <li>3. How do you determine the evacuation radius in the event of an emergency at CNL?</li> <li>4. Who is your point of contact at Garrison Petawawa?</li> </ol> <p><i>ESC Action 150617:01 – CNL to follow up and confirm a meeting date with Town of Deep River Mayor and Garrison Petawawa to discuss lessons learned from the recent CNL emergency evacuation exercise. Kathy Smith is responsible for this action.</i></p>
<p>12:00 – 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 the CNL external ISO-14001 Audit.</p> <p>QUESTIONS:</p> <ol style="list-style-type: none"> <li>1. Would it be beneficial to separate the contaminated spills from the non-contaminated spills?</li> <li>2. Do you report your spills to the Ministry of the Environment (MOE) or to the Canadian Nuclear Safety Commission (CNSC)?</li> </ol>
<p>1:30 – 2:15 PM</p> <p>Application of Hydrogen Isotope Technologies</p> <p>Hugh Boniface</p>	<p>Hugh Boniface – Senior Chemical Scientist at CNL presented to the council on AECL/CNL hydrogen isotope technologies. He touched on the history, current activities and prospects for future technology. In addition, Hugh talked about the new hydrogen and tritium infrastructure at CRL and provided two examples of current projects happening at CNL.</p> <p>QUESTIONS:</p> <ol style="list-style-type: none"> <li>1. How much tritium would a small tritium battery contain?</li> <li>2. Why are you using tritium and not another radionuclide?</li> <li>3. What/who is your supplier of tritium?</li> <li>4. Do you know if hydrogen is being used in the automotive industry?</li> <li>5. How does tritium compare to plutonium?</li> </ol>

2:15 – 2:30 PM	Bio break
<p>1:30 – 2:15 PM</p> <p>Decommissioning &amp; 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 highlighted 2014/15 projects. These projects include the following: stored liquid waste cementation project, NRX stack duct decommissioning, NPD site characterization, assess and characterize historic waste packages and the decommissioning of buildings 204 and 220. Additionally, an update was provided on repatriation of highly enriched materials and feasibility study of the CRL site to host a geological waste management facility for low and intermediate level waste. Upcoming DWM projects include: a new environmental data management system and waste data tracking system, SMAGS construction for low level waste, characterization of the asphalt trenches in waste management area B and the continued commissioning of the fuel package and storage facility.</p> <p>QUESTIONS:</p> <ol style="list-style-type: none"> <li>1. What data management plan did you select?</li> <li>2. How is the decommissioning of the Rolphton site progressing; will it be returned to green space?</li> <li>3. Will CNL still retain the license at NPD?</li> <li>4. How long will it take to return NPD to green space?</li> <li>5. In regards to the waste at CRL; what percentage has been generated at CRL versus what is being stored for external parties?</li> <li>6. With the decommissioning of NPD, will the stack for the chimney swifts remain?</li> <li>7. Will the new owners of CNL have the same obligation in regards to current decommissioning decisions?</li> </ol> <p><i>ESC Action 150617:02 – CNL to provide an update on the waste data tracking system once it is available. Joan Miller is responsible for this action.</i></p>
<p>3:30 – 3:45 PM</p> <p>In the Community</p> <p>Nicole LeBlanc</p>	<p>Nicole LeBlanc - Public Affairs Officer at CNL gave an update on CNL activities with the public since the last meeting in April 2015. Upcoming community engagements include opening of the CNL Morison Campus building in Deep River, summer agricultural Fairs, Town of Deep River 70<sup>th</sup> and Town of Petawawa 150<sup>th</sup> Anniversary celebrations.</p>
<p>3:45 – 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>Next ESC meeting – Thursday, October 29, 2015 at Canadian Nuclear Laboratories Chalk River site.</p> <p>There were no comments on the new actions or about the recap of the meeting.</p>

**ESC Participants:**

Bruce Biggam, Deep River Horticultural Society  
Meredith Brown, Ottawa Riverkeeper  
James Gibson, Municipalité régionale de comté de Pontiac  
Steve Gutzman, Parkline Sportsmen Club  
Meghan Hendry, Garrison Petawawa  
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  
Craig Robinson, Old Fort William Cottagers' Association  
Theresa Sabourin, Town of Petawawa

**ESC Alternates:**

Mike LeMay, City of Pembroke  
Stephanie Parzei, Petawawa Research Forest  
Kelly O'Grady, Concerned Citizens of Renfrew County

**Canadian Nuclear Laboratories:**

Shaun Cotnam, Senior Director, Compliance  
George Dolinar, Environmental Program Authority  
Nicole LeBlanc, Public Affairs Officer, Corporate Communications  
David Lee, Environmental Scientist, Environmental Technologies  
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:**

Hugh Boniface, CNL  
Annie Morin, CNL  
Meghan Murrant, CNL

**Absent:**

Peter Arbour, Petawawa Research Forest  
Christian Carrier, CRL Compliance and Licensing Division, Canadian Nuclear Safety Commission  
Marc Laurin, Métis Nation of Ontario, North Bay  
Jim Meness, Algonquins of Pikwakanagan  
Karen Stokes, Ontario Ministry of Natural Resources, Pembroke