



**Environmental Stewardship Council (ESC)  
MEETING NOTES FOR MEETING #25 (DRAFT UNTIL ACCEPTED)  
Thursday, June 26, 2014 - AECL  
List of Participants noted on last page**

9:15 – 9:30 AM:	
9:30 AM	Pat Quinn welcomed the council and provided a safety briefing.
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. John encouraged Council to evaluate the new meeting facilities and 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 March 2014.</p> <p>ESC Action 140317:1 – Ongoing - A summary of the Environmental Risk Assessment will be presented to the ESC members in the Fall of 2014; summary will include a prioritization of the risks and their risk level.</p> <p>ESC Action 140327:2 – Ongoing - An update on the NRX Strontium 90 plume and an explanation as to why the permeable barrier technology is not recommended at this time.</p> <p>ESC Action 140327:3 – Complete</p> <p>ESC Action 140327:4 – Complete</p>
9:50 – 10:10 AM  AECL Business Update  Bob Walker	<p>Bob Walker – President &amp; CEO at AECL provided the ESC with a business update touching upon the following items: 2013/14 Highlights and 2014/15 Corporate Plan, New Capital Investments, Restructuring and AECL activities. Activities included Minister Rickford's visit to Chalk River Laboratories (CRL), AECL's Long Service Recognition Dinner and the Nuclear Caucus tour of CRL.</p> <p>QUESTIONS:</p> <ol style="list-style-type: none"> <li>1. In regards to restructuring, can you comment on whether or not the qualified bidders are single companies or consortia's?</li> <li>2. You refer to investments; with the reduction of isotope production, what are your plans to increase revenue and retain current investments?</li> <li>3. When will the "Qualified Respondents" be determined or announced?</li> <li>4. Who will assume the CRL license/s?</li> </ol>



# AECL EACL

	<ol style="list-style-type: none"><li>5. Is there a prospect of a successor for the NRU?</li><li>6. How will the GoCo model impact the employees and will it impact this ESC Council?</li><li>7. If there is a change in Government, will you see a change to the plan or current terms of the GoCo model?</li><li>8. Could you confirm the date of the AECL name change; is it November 2014 or 2015?</li><li>9. Although Moly 99 production will be done, can you clarify that other isotopes will be produced at NRU?</li></ol>
10:10 - 10:30 AM  Quarterly Environmental Performance Report  George Dolinar	<p>George Dolinar - Environmental Program Authority within the Environmental Protection Branch (EPB) at AECL gave the quarterly environmental performance report. George discussed the overview of the program, environmental monitoring, an update on current activities and findings of the April 2014 ISO 14001 External Audit.</p> <p>QUESTIONS:</p> <ol style="list-style-type: none"><li>1. Would environmental reporting change with restructuring?</li><li>2. Can you discuss the source of Argon 41?</li><li>3. Can you remind the committee what are derived release limits (DRL)?</li></ol>
10:30 – 10:45 AM : Bio break	
10:45 – 11:15 PM  Radioactive Waste Management - Introduction  Joan Miller	<p>Joan Miller - Vice President, Decommissioning &amp; Waste Management at AECL gave the introductory presentation on Radioactive Waste Management; the subject matter of today's ESC meeting agenda. Joan set the framework for the presentation topics:</p> <ul style="list-style-type: none"><li>➤ Management of Waste at Chalk River Laboratories</li><li>➤ Waste Acceptance Criteria</li><li>➤ Planning Options for Long-term Management of Radioactive Waste</li><li>➤ Demonstration Safe Long-term Management</li></ul> <p>QUESTIONS:</p> <ol style="list-style-type: none"><li>1. Do you currently accept waste from other facilities in Canada or the U.S.A.?</li></ol>



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11:15 – 12:00 PM Management of Waste at Chalk River Laboratories Bill Graham	Bill Graham – Manager, Decommissioning & Waste Management at AECL gave a presentation on the Management of Waste at Chalk River Laboratories. Bill's presentation included an overview of waste streams, characterization, and segregation as well as the processing, packaging and storage.  QUESTIONS: <ol style="list-style-type: none"><li>1. If the laundry facilities are a source of contaminated sewer sludge, why not use an alternate option?</li><li>2. If you were to plant shrubs/plants on shielded soil, how would you control or monitor contamination?</li></ol>
12:00 – 1:00 PM	Lunch
1:00 – 1:45 PM Waste Acceptance Criteria Steve Liblong	Steve Liblong – Director, Waste Management & Environmental Restoration at AECL gave a presentation on the Waste Acceptance Criteria (WAC) applied at AECL. Steve discussed the categories that make up a WAC along with the responsibilities, development and methodology.  QUESTIONS: <ol style="list-style-type: none"><li>1. Why does it take 6-10 years to cool used fuel?</li><li>2. How often do you change the water in the rod bays and what do you do with it?</li><li>3. Who sets the criteria standards and who is involved in setting the standards?</li><li>4. Are there standards to everyone (industries) or only AECL?</li><li>5. What solution do you have and what do you have to go through if something does not fit the current criteria?</li><li>6. There is currently no permanent disposal in Canada; do you know why?</li></ol>
1:45 - 2:30 PM Planning & Options for Long-term Management of Radioactive Waste Ian Bainbridge	Ian Bainbridge – Manager, Decommissioning & Waste Management at AECL gave a presentation on the Planning & Options for Long-term Management of Radioactive Waste at AECL and in Canada.  QUESTIONS: <ol style="list-style-type: none"><li>1. Who do you get the cement from?</li><li>2. Who verifies the quality?</li><li>3. How thick do the cement walls have to be?</li></ol>
2:30 – 2:45 PM	Bio Break



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2:45 – 3:30 PM Demonstrating Safe Long-term Management Dave Garrick	Dave Garrick - , Safety Engineering & Licensing at AECL gave a presentation on Demonstrating Safe Long-term Management of radioactive waste. Dave provided a safety case to illustrate how safety is demonstrated and assured as well as defining “what is safe and “who says it’s safe”?  QUESTIONS: 1. After the Fukushima disaster, it was determined that several defences failed - are there considerations being made for more in depth defences?
3:30 – 4:00 PM Radioactive Waste Management – Conclusion Joan Miller	Joan Miller - Vice President, Decommissioning & Waste Management at AECL gave the wrap up of the Radioactive Waste Management presentations.  QUESTIONS: N/A
4:00 – 4:15 PM AECL in the Community Nicole LeBlanc	Nicole LeBlanc – Public Affairs Officer at AECL gave an update on how AECL has been interacting with the public since the last meeting in March 2014. Topics included Petawawa SHOWCASE, OPTIONS Skilled Trades Fair, Skills National Competition, Relay For Life, Makwa Fest, Pacific Basin Nuclear Conference (PBNC) and the Renfrew Fair. Mitch MacKay - NLLP Communications Officer at AECL introduced the new NLLP website.  QUESTIONS: N/A  ACTION: 140626:1 - AECL Corporate Communications will send ESC members the link the new NLLP website. Nicole LeBlanc is responsible for this action.
4:15 – 4:30 PM Closing John Vincett	John Vincett gave a recap of the meeting and reviewed the actions. Reminded council to fill out evaluation forms and reminded members of next ESC meeting date.  Next ESC meeting – 2014 October 16 at Chalk River Laboratories.  There were no comments on the new actions or about the recap of the meeting.

**ESC Participants:**

Bruce Bigham, Deep River Horticultural Society  
James Gibson, Municipalité régionale de comté de Pontiac  
Steve Gutzman, Parkline Sportsmen Club  
Meghan Hendry, Garrison Petawawa  
Ken Hooles, Pembroke Area Field Naturalists  
David Lee, Environmental Scientist, Environmental Technologies  
Bob MacKenzie, Upper Ottawa Valley Ducks Unlimited  
Craig Robinson, Old Fort William Cottagers' Association  
Theresa Sabourin, Councillor, Town of Petawawa

**ESC Alternates:**

Bob McLaren, Town of Deep River

**AECL:**

Shaun Cotnam, Senior Director, Compliance  
George Dolinar, Environmental Program Authority  
Nicole LeBlanc, Public Affairs Officer, Corporate Communications  
Steve Liblong, Director, Waste Management & Environmental  
Restoration  
Mitch MacKay, Communications Officer, NLLP  
Joan Miller, Vice President Decommissioning and Waste  
Management  
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:**

Ian Bainbridge, Decommissioning & Waste Management, AECL  
Dave Garrick, Safety Engineering & Licensing, AECL  
Bill Graham, Decommissioning & Waste Management, AECL

**Absent:**

Peter Arbour, Petawawa Research Forest  
Meredith Brown, Ottawa Riverkeeper  
Christian Carrier, Director, CRL Compliance and Licensing Division,  
Canadian Nuclear Safety Commission  
Ron Gervais, City of Pembroke  
Audrey Green, Renfrew County Council  
Ole Hendrickson, Concerned Citizens of Renfrew County  
Marc Laurin, Métis Nation of Ontario, North Bay  
John McKay, Four Seasons Conservancy  
Jim Meness, Councillor, Algonquins of Pikwakanagan  
Dick Rabishaw, Town of Laurentian Hills  
Kathy Smith, General Manager, HSSE  
Karen Stokes, Ontario Ministry of Natural Resources, Pembroke  
David Thompson, Town of Deep River