

**Citizen Liaison Committee
Meeting Record**

Meeting Date: June 13, 2017

BWXT: Sara Forsey, manager, community relations & communications
 Dave Snopek, manager, EHS & regulatory affairs
 Ted Richardson, director, nuclear components
 John MacQuarrie, president, BWXT Canada

CLC Members: K. Collins, S. Capobianco

ACTION ITEMS

Previous Action Items		
Action Item	Responsible	Status / Notes
1. Newsletter to include summary of emergency response plans. Consider main bullets for transportation plan as opposed to high level overview.	S. Forsey	Open
2. Look into small fence for grass area along warehouse on Brandon Ave. to prevent dogs from doing their "business"	T. Richardson	Open
3. Notify CLC members of BWXT NEC volunteer activities that CLC member may participate in	S. Forsey	Ongoing
4. Keep CLC members informed of upcoming CNSC reviews	S. Forsey	Ongoing
5. Plan a 2017 community BBQ	S. Forsey	CLOSED
6. Canvas BWXT NEC employees for local charity/organization ideas	M. Beaudon	Open
7. Continue to explore Public Attitude Surveying	S. Forsey	Open
8. Explore opportunities with Options for Davenport	S. Forsey	Open
9. Explore opportunity with Earls court Park pedestrian paths	S. Forsey	Open
10. Reach out to Pauline Junior Public School	S. Forsey	In Progress
New Action Items		
11. Incorporate virtual tour into BWXT NEC website	S. Forsey	Open
12. Update BWXT NEC website	S. Forsey	Open

DISCUSSION NOTES

The meeting began with a safety overview. Following this, Dave Snopek provided the CLC with an overview of the 2016 Annual Compliance Report (ACR) which was submitted to the Canadian Nuclear Safety Commission (CNSC) on March 31, 2017. He explained that the ACR is reviewed by the CNSC and that BWXT will appear in front of the Commission for a public review. The ACR details results within the 14 Safety and Control Areas of BWXT NEC's Class 1B Nuclear Fuel Processing Facility Licence.

Dave provided the results of the 2016 Toronto Air Boundary Monitoring noting that there were 260 boundary samples taken over the year with zero action level exceedances and an average concentration of $0.001 \mu\text{g}/\text{m}^3$. He shared the results of the stack monitoring as well, noting that the Toronto facility performs in-stack sampling by inserting a probe into the duct and withdrawing a sample of air across a filter capable of trapping uranium dust. BWXT NEC's Toronto facility released just 10.8 grams of uranium to air – a small fraction of the 760 gram regulatory release limit which is determined by the CNSC.

Dave went on to share the results of uranium emissions in water. Water is used in the production process and to clean protective clothing, walls, floors and other janitorial functions. Dave explained that the water is first held in storage tanks in the facility, treated to remove uranium dioxide, tested and only released in batches once the test results confirm it meets regulatory requirements to be released. The release limit for uranium water emissions, set by the CNSC, is 9,000 kg/year. In 2016, BWXT NEC's Toronto facility released 0.65 kg – a very small fraction of the limit.

The Toronto Soil results were shared by Dave. In total, 49 soil samples were taken in 2016. All samples were analyzed by an independent consultant and results were well below CCME guidelines.

Dave also shared the estimated annual public dose. The regulatory limit for radiation doses to members of the public from nuclear facilities is $1,000 \mu\text{Sv}$ (micro-Sievert) per year. The estimated annual public dose from BWXT NEC Toronto in 2016 was $0.7 \mu\text{Sv}$. This amount is so small that it equates to 0% of the regulatory limit.

Throughout the discussion on the ACR, CLC members asked a series of questions related to transportation and emergency scenarios. BWXT NEC explained that transportation is done in accordance with all applicable CNSC and Transport Canada transportation regulations. All incoming and outgoing goods are transported exclusively by a specialty road transport service provider who is approved and certified for the transportation of uranium. BWXT NEC noted that it has not had a transportation-related incident in its 60 year history of operations in Toronto.

When asked what would happen if there was an accident, BWXT NEC explained that even in the event of an emergency, the natural uranium contained within these vehicles is not flammable and does not pose a risk for explosion.

CLC members were asked by BWXT NEC to provide input to the BWXT NEC website. A member suggested that getting to the BWXT NEC website from the main bwxt.com site should be made easier as a person may google BWXT and land on the main website and then have challenges getting to the NEC site. Members agreed that a virtual tour of the facility would be beneficial. Discussion around organization of content identified a few areas where content could be better aligned under categories and a new category for environmental monitoring was suggested. Another suggestion was to create an infographic of the fuel fabrication process to help make it easier to visualize how fuel is made.

In other business, Sara reminded members of the next two meeting dates. Sara asked members if they would be interested in a presentation from the Nuclear Waste Management Office to learn about the proposed solution for Canada's used nuclear fuel. Members felt this would be beneficial. Sara suggested that at one of the meetings that CLC members could bring a guest for an overview of the facility and a tour. This would help educate additional area residents and can be used as an opportunity to generate interest in the CLC. Members liked this idea.

2017 Meeting Schedule:

Sept. 12, 2017	6 p.m.
Nov. 14, 2017	6 p.m.