BWXT Nuclear Energy Canada Inc.

COMMUNITY NEWSLETTER

Proudly supporting our community and supplying the fuel that powers 1/4 of the province!

SPRING 2022

1025 Lansdowne Avenue, Toronto ON

INSIDE THIS ISSUE:

Spring Emergency Drills

This spring we will be holding a series of drills to practice our emergency response at our Toronto facility.

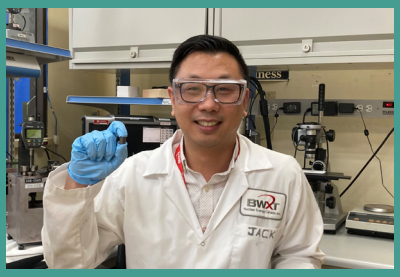
Like many businesses, we regularly conduct drills to ensure our employees and first responders know what to do to in the event of an emergency.

On days when a drill is occurring, we will update our 1.855.696.9588 voicemail and public website to quickly inform the public that a drill or exercise is occurring. We also will hang banners (like the one pictured) outside our entrance so neighbours and pedestrians understand that emergency vehicles are on site for a drill.

Learn more about our upcoming spring drills and emergency response at *nec.bwxt.com*.

Our People

Meet Jack, Production and Engineering Manager at our Toronto facility. Jack studied Material Science and Engineering at the University of Toronto and started working at BWXT in 2010.



As Production and Engineering Manager, Jack is responsible for safety, quality and production schedule.

Jack has been involved in many volunteer events for the Toronto community and recently participated in the Coldest Night of the Year in support of Oasis Dufferin Community Centre!

Committed to Progressive Indigenous Relations

BWXT in Canada joined the Canadian Council for Aboriginal Businesses (CCAB) in 2017 and is committed to building and sustaining positive relationships with Indigenous communities in the areas in which BWXT operates in Canada.

We are participating in the CCAB's Progressive Aboriginal Relations (PAR) certification program. Today, BWXT in Canada is PAR Committed – which indicates our commitment to continual improvement in Indigenous relations and our intention to undergo external verification of our performance in the future.

BWXT has an internal Indigenous Relations Committee which meets to discuss ways to build and sustain positive relationships with Indigenous communities in areas where BWXT operates. The group meets every six weeks and is comprised of employees from a variety of departments and sites in Canada.

Our Committee recently completed Phase 3 of the PAR program and has been working on providing cultural awareness training to employees. Throughout the pandemic, the Committee has worked to find ways to support local Indigenous communities, participate in events to spread awareness, and continue to learn about Indigenous culture and history.

2021 Annual Compliance Report Available

Each year, we submit an Annual Compliance Report (ACR) to Canada's nuclear regulator, the Canadian Nuclear Safety Commission (CNSC). The ACR demonstrates that BWXT NEC has successfully met the requirements of the Nuclear Safety and Control Act and its Class IB Nuclear Fuel Facility Operating Licence. The ACR, which is reviewed by CNSC Staff, provides the CNSC with information related to our performance across the CNSC's 14 Safety and Control Areas.

A summary of the 2021 air, water and soil results are included below and the full report is online at *nec.bwxt.com*.

2021 Perimeter Air Results – Uranium

We perform continuous in-stack monitoring of the six stacks, drawing a sample of air across a filter capable of trapping uranium dust. The samples are analyzed daily and verified externally by an independent laboratory.

Perimeter samples are drawn at five positions around the facility perimeter using high-volume air samplers. Boundary testing is done 24/7 and the samples are analyzed externally by an independent laboratory.

Toronto Perimeter Air - Uranium	2020	2021
Number of perimeter samples taken	265	260
Number of samples exceeding action level (0.08 µg/m^3)	0	0
Average concentration (µg/m^3)	0.000	0.000
Highest value recorded (µg/m^3)	0.003	0.003

0 Action Level Exceedances

2021 Water Results – Uranium

Waste water is generated from cleaning and the production process. All potentially uranium-contaminated waste water is held in storage tanks at the site, treated to remove uranium dioxide, tested and only released in batches once test results confirm it meets release requirements.

Toronto Water - Uranium	2020	2021
Number samples exceeding 6 ppm action level	0	0
Average uranium concentration at point of release (ppm)	0.24	0.28
Highest uranium concentration at point of release (ppm)	2.79	2.55

2021 Soil Results – Uranium

In Ontario, background levels of uranium in soil are generally below 2.5 µg/g (parts per million (ppm)). The Canadian Council of Ministers of the Environment (CCME) established soil quality guidelines to protect human health and the natural environment.

Soil sampling for uranium is conducted annually by a third-party consultant. Samples of surface soil are retrieved from locations. The sampling methodology used is based on Ministry of the Environment Conservation & Parks guidelines.

	Location Description		
	On BWXT NEC property	On industrial / commercial lands (i.e. south rail lands)	All other locations (i.e. residential)
Relevant CCME Guideline (µg U/g)	300 µg U/g	33 µg U/g	23 µg U/g
Number of samples taken	3	2	29
Average concentration (µg U/g)	2.4	1.0	1.0
Maximum concentration (µg U/g)	4.6	1.0	1.1

TALK TO US

We Want to Hear From You!

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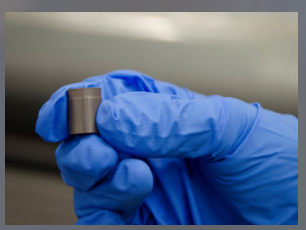
Follow us on Facebook and Twitter for regular updates!

About BWXT NEC in Toronto



In Toronto, we manufacture ceramic pellets from natural uranium dioxide powder. After pressing, baking, grinding and inspecting the pellets, we send them to our Peterborough facility where they are placed in CANDU® fuel bundles. The fuel bundles are then sent to Ontario Power Generation's Darlington and Pickering Nuclear Generating Stations. Both our Peterborough and Toronto facilities are licensed by Canada's nuclear regulator, the Canadian Nuclear Safety Commission (CNSC).

Approximately 50 people work for BWXT in Toronto in high-value manufacturing positions, engineering, and operations support. This team produces the fuel to power 1 in 4 homes and businesses in Ontario with greenhouse gas emissions-free, affordable electricity!