



BWXT Nuclear Energy Canada - Peterborough

COMMUNITY NEWSLETTER



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POWER YOUR CAREER

Our innovative culture of collaboration and an engaging work environment is embedded in everything we do.

Visit www.bwxt.com/careers to learn about our current career opportunities



Championing STEAM Learning

In April, BWXT volunteers spent their morning judging student projects at the 57th Annual Peterborough Regional Science Fair held at Trent University.



Promoting, supporting and educating the community about STEAM-related opportunities (science, technology, engineering, art, and math) is of great importance to our company and to our employees, which is why BWXT has been a proud sponsor for many years.

Earlier this year, we provided funding to Prince of Wales Public School to restock their library with new STEAM books and resources. To expand the impact of our donation, we worked with the school to organize a Career Day.

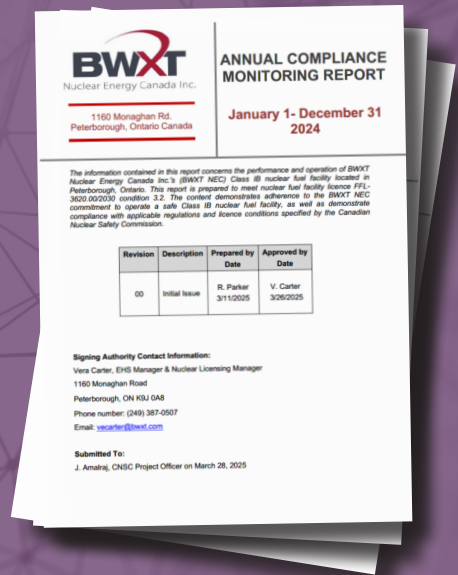
Our employees had a great time talking about their roles at BWXT, the pathways they took to get started in their careers, and sharing insights into the skills and experiences that have shaped their professional journeys. The students in grades 7 and 8 were eager to learn and engaged with our team, asking thoughtful questions and expressing interest in various disciplines. We are proud to collaborate with Prince of Wales Public School to help shape the future of young learners!

2024 Annual Compliance Report Available

Each year, we submit an Annual Compliance Report to Canada's nuclear regulator, the Canadian Nuclear Safety Commission (CNSC). The purpose of the Annual Compliance Report is to demonstrate adherence to our commitment to operate a safe Class IB nuclear fuel facility, as well as demonstrate compliance with the applicable regulations and licence conditions specified by the CNSC. The report, which is reviewed by CNSC Staff, provides information related to our performance across the CNSC's 14 Safety and Control Areas.



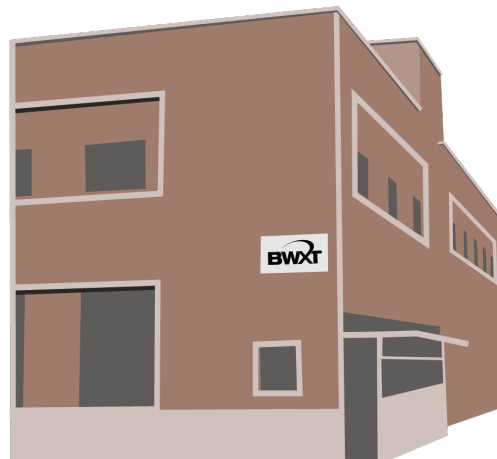
To read the full report and learn more, scan the QR code or visit our website at nec.bwxt.com.



Environmental Monitoring

The safety of our employees, members of the public and the environment is our first priority. At our facility in Peterborough, emissions are measured for uranium and beryllium to ensure we are operating in a safe and responsible manner. Monitoring results show that our Peterborough facility has very low emissions. Included below are some infographics to help illustrate our emissions. More data is available in our Annual Compliance Report on our website at nec.bwxt.com.

One 30 kilogram bag of soil naturally contains on average
0.06 grams of uranium



In all of 2024, BWXT in Peterborough emitted
0.02 grams of uranium into the air

Over the entire 2024 year, BWXT released only one third (1/3) of what would naturally occur in a 30 kilogram bag of soil. To help put this into further context, this would be equivalent to 1/250th of a teaspoon.

Indigenous Relations Roadmap Progress

Last summer, we launched our Indigenous Relations Roadmap to guide our efforts toward Indigenous Truth and Reconciliation. This roadmap includes seven themes with specific goals (see graphic below for the themes), recommended actions, progress metrics, and responsible owners.



In the fall, we formed an Oversight Committee to help implement the roadmap across BWXT's sites in Canada. Since then, the committee has updated our plan with approved actions and shared it with internal and external stakeholders. The committee meets every other month to continue progress.

Curious to learn more? Check out BWXT's Indigenous Relations Roadmap on our website at nec.bwxt.com.

Honouring May 5: Red Dress Day for Missing and Murdered Indigenous Women, Girls, and Two-Spirit Individuals (MMIWG2S)

Our Indigenous Relations Committee recently shared an internal education campaign with employees outlining the importance of this date of remembrance. The goal of Red Dress Day is to honour and bring awareness to the thousands of Indigenous women, girls, and two-spirit people who have gone missing or who have been murdered. The day was inspired in 2010 by Jamie Black, a Métis artist in Winnipeg, who hung hundreds of red dresses in public places to bring awareness to this issue.



The committee provided a link for employees to read "Reclaiming Power and Place: The Final Report of the National Inquiry into Missing and Murdered Indigenous Women and Girls" as well as a link to purchase red dress pins from Whetung Ojibwa Centre in Curve Lake First Nation.

Our Website Has a New Look – Check It Out!

We recently launched our newly redesigned community information website! With a fresh look, improved navigation and mobile-friendly design, it enhances user experience and highlights our commitment to safety, community and capabilities, community engagement, and expertise more effectively.



Visit our new website at nec.bwxt.com or scan the QR code to see our new look!



Proudly Supporting Nuclear Power and Nuclear Medicine

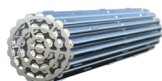
BWXT Nuclear Energy Canada has been involved with the CANDU industry from its earliest years. At our Peterborough facility, we employ over 400 skilled people in high-tech, engineering, manufacturing and administrative positions. Over 150 of these employees are engineers in disciplines such as software development, metallurgy, mechanical engineering, electrical engineering and systems engineering. Our Peterborough facility is licensed by Canada's nuclear regulator, the Canadian Nuclear Safety Commission.



Fuel Bundle Manufacturing

Our employees assemble fuel bundles for use in CANDU power reactors. Natural uranium pellets produced at our Toronto facility and zirconium tubes manufactured at our Arnprior facility are shipped to our Peterborough site, where they are assembled into fuel bundles.

The fuel bundles manufactured at our Peterborough facility go on to power 25% of Ontario with reliable, greenhouse gas emissions-free electricity!

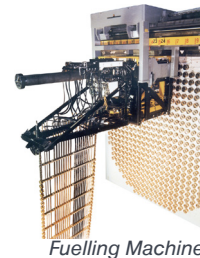


CANDU Fuel Bundle

Innovative Nuclear Power Solutions

Our employees design, engineer and manufacture highly technical tooling. These systems can inspect and maintain power reactors, reducing radiation doses to workers and decreasing outage times.

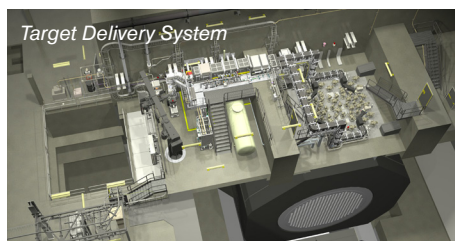
Our Peterborough site is where the original CANDU fuel handling systems were manufactured. This site has been involved in the nuclear power industry from its earliest days.



Fuelling Machine

Design, Engineering and Manufacturing for Nuclear Medicine

To enable a stable supply of nuclear medicine, BWXT and Laurentis Energy Partners (a subsidiary of Ontario Power Generation) designed and manufactured a complex system that lowers BWXT-manufactured medical isotope targets into a CANDU reactor where they become irradiated. BWXT installed this system at Ontario Power Generation's Darlington site.



Once the targets are irradiated, they are shipped to BWXT Medical's facility in Kanata, where they are processed to be used by pharmacies and hospitals worldwide. Currently, this system is used for diagnostic imaging to help detect illnesses like cancer and heart disease. In the future, the system installed at Ontario Power Generation's Darlington site may be used to produce other medical isotopes that are designed to treat cancer.



Target

Connect With Our Team

Our team is committed to connecting with the Peterborough community in a timely, transparent and meaningful way. Please contact our team if you have questions, comments, or concerns.

Phone: 855-696-9588
Email: questions@bwxt.com
Online: nec.bwxt.com

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