



Nuclear Energy Canada Inc.

COMMUNITY NEWSLETTER

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

WINTER 2021

1025 Lansdowne Avenue, Toronto ON

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WANT TO STAY INFORMED?

JOIN OUR EMAIL LIST

Subscribe to our regular email updates to receive key information on our operations, licence, controlled emissions, safety, public information program and more - directly to your inbox!

How do I subscribe?

Send an email to our team at questions@bwxt.com or visit our website at nec.bwxt.com to subscribe on our Contact page.

CNSC Announces Record of Decision on BWXT Nuclear Energy Canada's Licence Renewal

On December 21, 2020, the Canadian Nuclear Safety Commission (CNSC) issued a news release on their decision to renew BWXT Nuclear Energy Canada Inc.'s (BWXT NEC) licence for a period of 10 years. The Commission renewed BWXT NEC's licence as two separate facility-specific licences for the locations in Peterborough and Toronto. These licences take effect January 1, 2021 and are valid until December 31, 2030.

We expect the full Record of Decision will be made available soon on the CNSC's website at nuclearsafety.gc.ca/. BWXT NEC will also make this document available on its website once it is available at nec.bwxt.com.

BWXT NEC submitted its application to renew its Class IB Nuclear Fuel Facility Operating Licence to the CNSC on November 12, 2018. The previous licence was issued on January 1, 2011 and was valid until December 31, 2020.

Please contact us at questions@bwxt.com or 1.855.696.9588 if you have any questions, comments or concerns on our new licences.

Public Attitude Survey Results Available Online

From mid-October to the end of November, BWXT NEC conducted community surveying to better understand the perspectives of its neighbours as they relate to the company. BWXT NEC commissioned Ipsos, an independent research firm that surveyed for BWXT NEC in 2018, to conduct telephone and online surveying.

Neighbours to the BWXT NEC facility were eligible to complete the survey and be entered into a draw to win a \$500 Visa gift card. In total, 346 surveys were completed. BWXT NEC appreciates those who took the time to provide this valuable feedback.

BWXT NEC is pleased to share the results of the 2020 survey and additionally provide comparative 2018 survey data. Information gathered from these survey results will help BWXT NEC identify strengths and areas for improvement in order to update its public information program. The 2018 and 2020 reports can be found on our public information website at:

www.bwxt.com/bwxt-nec/community/community-surveying.

If you have any questions, comments or concerns on the survey results, please contact us at questions@bwxt.com or 1.855.696.9588.



Environmental Dashboard

During the licence renewal hearing in March, 2020, BWXT NEC committed to making more of its environmental monitoring data available to the public on its public information website. Some intervenors noted that they had to wait until our Annual Compliance Report was published to see the data from the previous year.

To demonstrate increased transparency and provide more data to our neighbours, BWXT NEC is developing Environmental Dashboard documents which will be published to its website soon. These Dashboards will include more fulsome emissions data than is currently found in our annual compliance reports.

More information will be shared on our website and social media channels soon. Contact us at questions@bwxt.com or 1.855.696.9588 if you have any questions, comments or concerns.



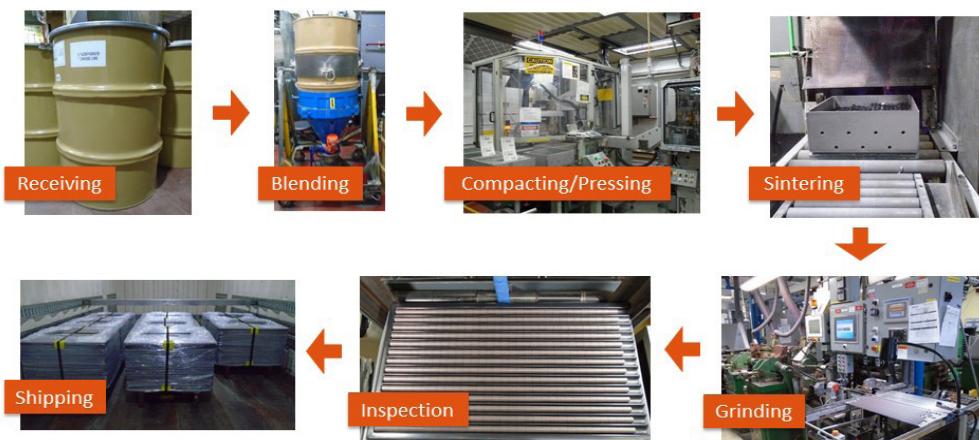
**FOLLOW US
ON SOCIAL
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Search for our handle
@bwxtnec or
BWXT Nuclear Energy Canada
Inc. to find our profiles.

How It's Made: Natural Uranium Dioxide Pellets

In Toronto, we manufacture natural uranium dioxide pellets that are sent to our Peterborough facility to be placed into fuel bundles for CANDU® reactors. The fuel bundles are sent to Ontario Power Generation's Darlington and Pickering Nuclear Generating Stations which provide power to 1 in 4 homes and businesses in Ontario! Learn how our skilled employees manufacture pellets below and visit our website at nec.bwxt.com to learn more about BWXT NEC.

Uranium dioxide (UO₂) powder in sealed drums is delivered to our Toronto facility by truck. The UO₂ powder is put into processing containers and then blended to condition the powder. Then, the UO₂ powder is compressed into a die to produce cylindrical pellets. The pellets are then sintered in a high-temperature furnace to harden them into a ceramic and finished to precise dimensions (sintering is a process that turns powder into solid form).



Then the pellets are inspected to ensure they meet stringent quality criteria and loaded onto trays, assembled into a skid and packaged to meet CNSC and International Atomic Energy Agency (IAEA) transport regulations. These skids are shipped by truck to our Peterborough facility where they are inserted into tubes, welded and assembled into fuel bundles for CANDU® reactors.

TALK TO US

We Want to Hear From You!

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