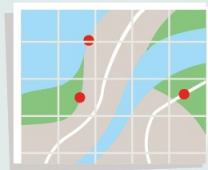
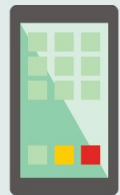


Potassium Iodide Distribution

Bruce Power | Municipality of Kincardine | Grey Bruce Public Health



Background on Pre-Distribution Program



Requirement in 2015 to make Potassium Iodide (KI) tablets available to households/businesses/institutions within 10 km of site. Pre-distribute tablets to households vs. previously one centrally stored location.



This is both a PNERP and REGDOC requirement Provincially and through Bruce Power's regulator – Canadian Nuclear Safety Commission (CNSC).



Bruce Power has pre-distributed KI tablets over and above these requirements.



The current stock of KI tablets that were pre-distributed to households and business in 2015 is set to expire in 2025 (10-year shelf life).



This is approx. 12,000 packages of Potassium Iodide (KI) tablets that has been distributed to households and various pharmacy pick up locations.

Emergency Preparedness - Enhancements and Response

- Robust and multi-faceted emergency response program
- More than 50 drills completed per year and provincial large scale emergency response exercise every 3-years.
- Installation of a containment filtered venting system. Acts as a final barrier to mitigate environmental releases and captures up to 95% of radioactive particular in an emergency scenario and works independently of all other safety systems.



Bruce Power has invested more than \$50 million to enhance its emergency response (since 2011)

What is Potassium Iodide (KI)?

- KI (the chemical name for Potassium Iodide) is a salt of stable (not radioactive) iodine. Stable iodine is an essential nutrient needed in very small quantities for the thyroid gland to function properly.
- When swallowed, KI fills up the thyroid with stable iodine so it cannot absorb any other iodine for a period of time.
- KI protects against radioactive iodine that may be found in emissions in the unlikely event of a nuclear emergency.

KI is only to be used when instructed to do so by the Ontario Medical Officer of Health



Distribution for 2025

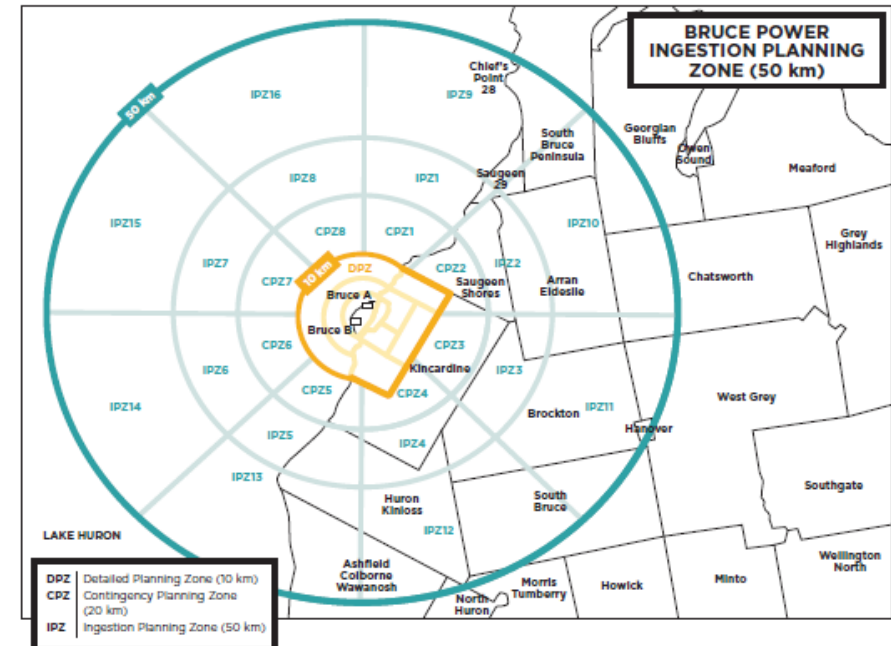
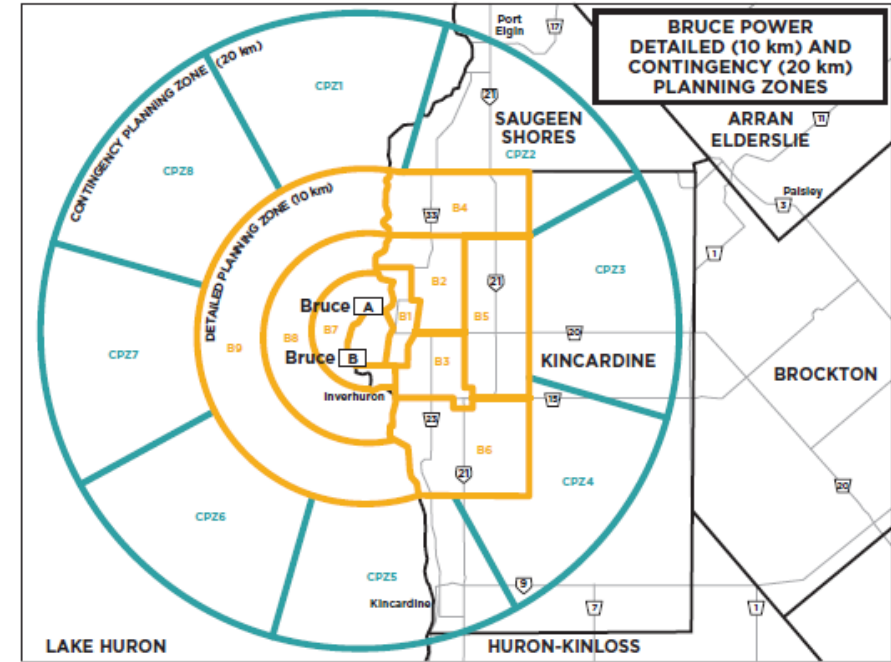
Residents and Businesses within 10 km can expect:

- New packages will be mailed to residents living within 10 km to Bruce Power to their home address.

Residents and Businesses within 50 km can expect:

- Be Prepared Guides will be mailed to all residents living up to 50 km of Bruce Power with a voucher to pick up KI at participating pharmacies should they choose.
- Visit Be Prepared website to learn more.

Zone maps



External Outreach

Activity	Details	Deadline
Develop external outreach plan	List of presentations, social media, and socialization of KI program	Plan finalized in November and approved through Bruce Power and MOK
News Release	News Release issued locally to make residents aware we are replacing set to expire tablets in 2025	Dec. 1, 2024
Social Media Campaign	Designed by Bruce Power and shared with MOK and Public Health to make residents aware of the replacement program	January to March 2025
Be Prepared Grey Bruce Huron	Website updates to reflect changes in 2025	Dec. 1, 2024
Print Ads in local newspapers (Kincardine and Saugeen Shores)	Print ads – notice to residents living within 10 km to site and what to expect Print ads – out to 50 km for Be Prepared Guide	January and February 2025
External presentations and meetings for groups such as: Indigenous, Schools, Amish, Pharmacies etc.	Set up presentation and meetings as needed for interested groups	December 2024 to February 2025
Be Prepared Guide	Mailed to all residents living up to 50 km to Bruce Power	March 2025

Key timing for KI distribution

- Residents living within 10 km – January to March
- Pharmacies replenished stock – December 2024
- Amish Community – December 2024
- Schools – January 2025

Be Prepared Kit to 10 km Residents includes:

1. Potassium Iodide
2. Joint letter from Bruce Power | MOK | Public Health
3. Be Prepared Guide
4. A 5x5" foldout card on nuclear emergency sequence of events.
5. 'Return to sender' FedEx envelope to mail back old KI to KI Canada or how to properly dispose of old KI
6. MOK post card with info on Alert FM + Alert Ready
7. Pen with Be Prepared website



Partnership

