



Potassium Iodide (KI) Tablet Distribution Program



Presented by Sendi Struna, Durham Region Health Department
Durham Nuclear Health Committee 2024



Presentation Agenda

1. Potassium Iodide tablets
2. Legislative requirements
3. KI Tablet distribution program
4. Public Awareness Campaign



Potassium Iodide (KI) Tablets

- Fills up the thyroid with stable iodine which prevents the uptake of radioactive molecules to decrease the risk of thyroid cancer
- Do not need to take tablets unless instructed to do so by the Chief Medical Officer of Health
- Tablets are available at all reception, evacuation and emergency workers centres





Background

2009 Provincial Nuclear Emergency Response Plan:

- Requirement for designated municipalities to have a plan to facilitate the availability of KI tablets for DPZ
- Stipulated that nuclear installations “...shall procure, in advance, adequate quantities of KI for the DPZ population for use during a nuclear emergency”



CNSC Requirements REGDOC - 2.10.1

Licensing Requirement – Nuclear Generating Station (NGS):

Detailed Planning Zone (DPZ) ~10 km radius

- All household, institutions and businesses within 10 km of NGS be provided with KI tablets by December 31, 2015

Ingestion Planning Zone (IPZ) ~50 km radius



- Availability of KI tablets to anyone residing within 50km of nuclear generating stations who wish to obtain a supply



Active Distribution to Residents and Businesses within 10km of PNGS/DNGS

- Collaboration between OPG, DRHD, TOEM, Canada Post
- Fall 2015 over 200,000 KI tablet packages mailed to DPZ

New to Durham Region?



	
	

Quick Facts:

- Durham Region has two nuclear power stations; Pickering and Darlington
- In the highly unlikely event of a nuclear emergency, potassium iodide (KI) tablets are key to keeping you safe
- Anyone living or working within 10-kilometres of either nuclear station should have a supply of KI tablets
- KI is also available to those within 50-kilometres of both nuclear stations

Visit preparetobesafe.ca to order your FREE supply of KI tablets and for more information or call Durham Region Health Department Environmental Helpline at 905-723-3818, 1-888-777-9613.

There is no such thing as being too prepared.



Passive Distribution to Residents and Business within 50km of PNGS/DNGS

1) PrepareToBeSafe.ca website

Site Features:

- Locator
- Ability to order tablets
- KI information available in English and 9 different languages including: Farsi, Tagalog, Tamil and Urdu



2) Designated Pharmacies



Distribution to First Responders & Institutions

KI Tablet Replacement - Health Department Lead

- Jan 2019 – approx. 260,000 new KI tablets distributed to first responders and institutions
- This supply will expire 2029
- Pre-distribution of KI recognized as a good practice by IAEA





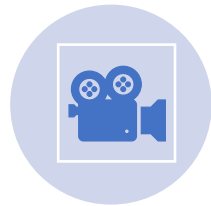
KI Public Awareness Campaign



January, May,
September



Target Audience -
residents &
businesses in DPZ
and IPZ



Variety of platforms
used



4 YouTube Videos
created



Translations in
10 languages



KI Campaign



Print Media



Radio



Transit



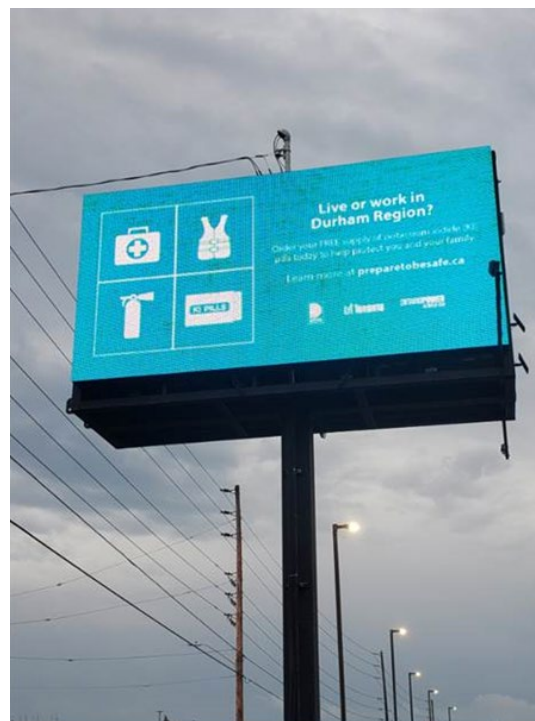
Social Media



Physician Outreach



KI Advertising and Social Media



Durham Region Health Department
May 24, 2023 · 🌐

Got Yours?
If you live within 50 km of the Pickering or Darlington nuclear plants, you can order a FREE supply of potassium iodide (KI) tablets.
Learn more durham.ca/KI

New to Durham Region?

Visit preparetobesafe.ca

Anyone within 50-kilometres of the Pickering or Darlington nuclear stations can order a FREE supply of potassium iodide (KI) tablets.

There is no such thing as being too prepared.

DURHAM.CA

Nuclear Awareness
Nuclear awareness information for Durham Region. Learn more about KI pill...

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Durham Region Health Department Role



- Manage telephone inquiry line and assist with KI tablet orders



- Provide in-house storage

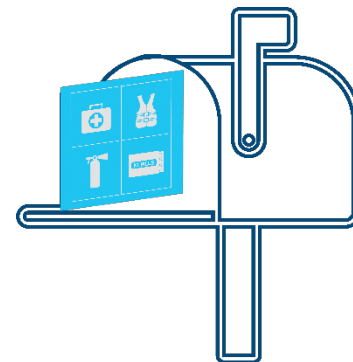


- Maintain records for stockpile of KI tablets to backfill supplies for institutions, first responders and pharmacies



KI Order Requests

- 4,200,000 KI tablets have been distributed through PTBS and New Neighbours
- Approximately 97% of PTBS orders are from homes and 3% from businesses
- 1,219 business – enough for 66,752 employees
- 29,505 homes – enough for 85,026 adults and 27,254 children





Thank you



Leading the way to a healthier Durham | durham.ca/health

