



Potassium Iodide (KI) Tablets Distribution



Durham Region Health Department

Durham Nuclear Health Committee 2020



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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



KI Distribution - Background

Based on the 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

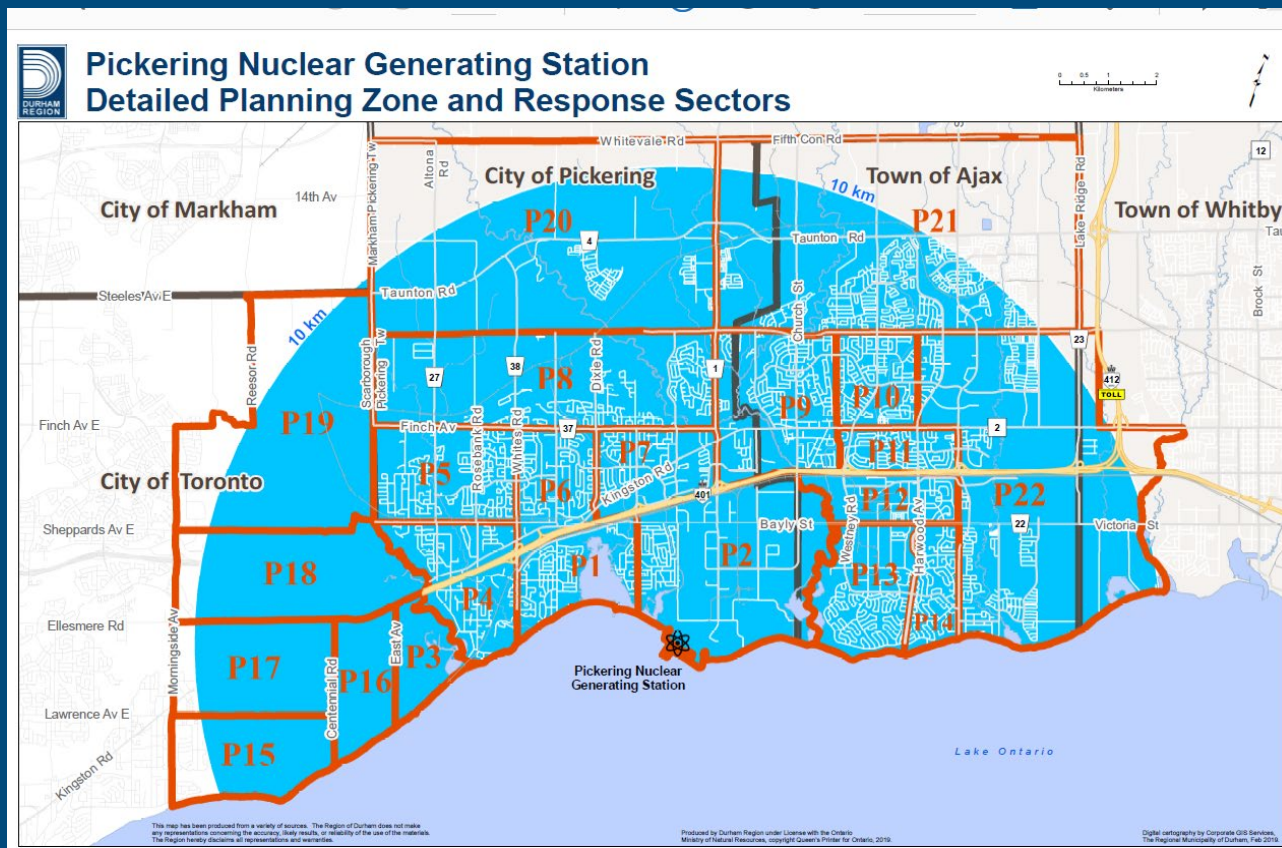
All household, institutions and businesses within 10 km of NGS be provided with KI tablets by December 31, 2015

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

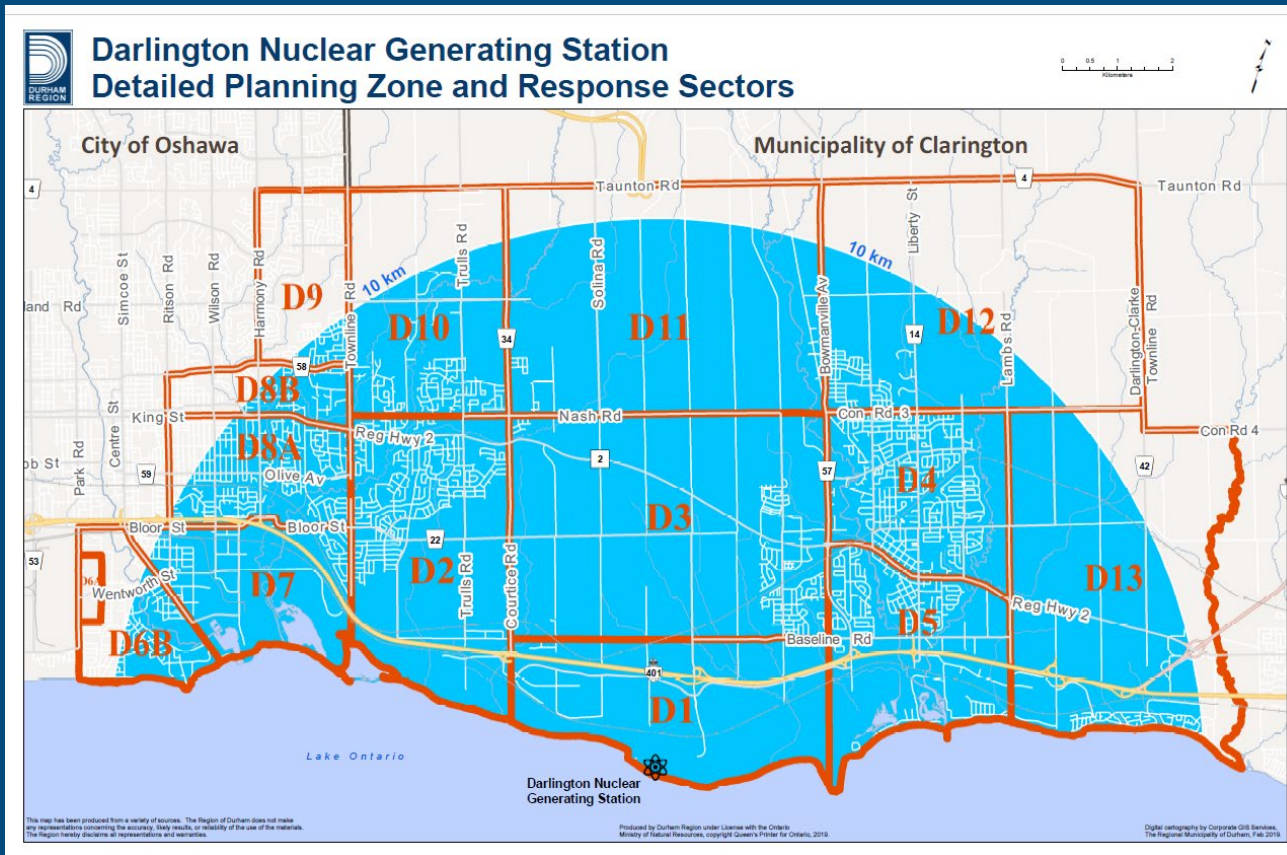


Pickering DPZ Map





Darlington DPZ Map









Distribution to Residents and Businesses

- Collaboration between OPG, DRHD, TOEM, Canada Post
- Fall 2015 over 200,000 KI tablet packages were 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.





Distribution to First Responders & Institutions

KI Tablet Replacement - Health Department Lead

- Jan / Feb. 2019 – approx. 260,000 new KI tablets distributed to first responders and institutions
- This supply will expire 2029

IAEA – Pre-distribution of KI recognized as a Good Practice

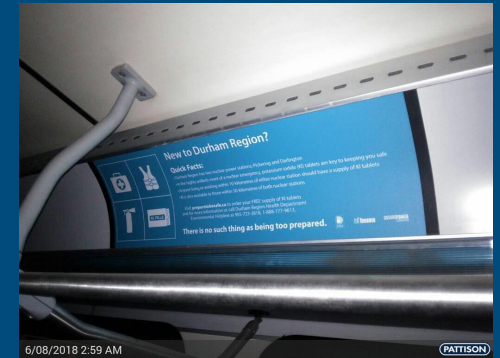
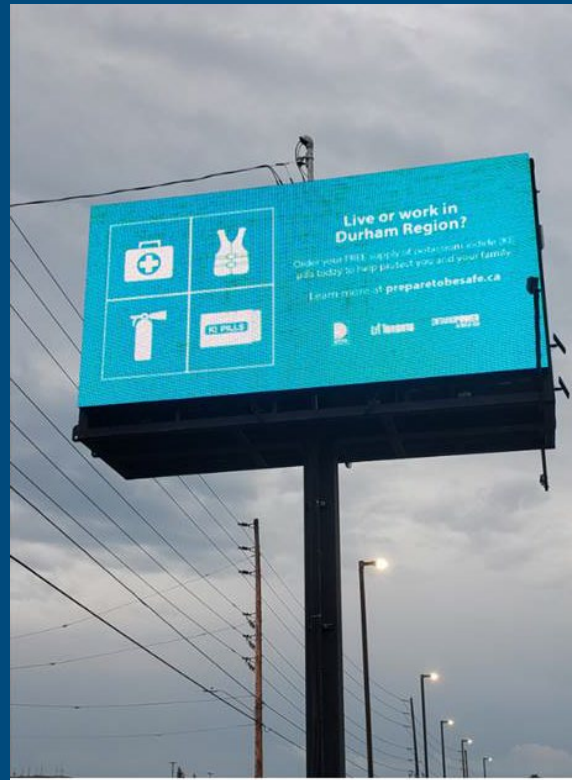
Collection of expired tablets

- All tablets were collected in April 2019 and returned to OPG



KI Public Awareness Campaign

- Plan and deliver 3 public awareness campaigns each year January, May & September
 - Variety of platforms used
 - Target Audiences - residents and businesses in DPZ and residents in IPZ
 - 2 YouTube Videos created





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

As of January 8, 2020, the website has processed 30,724 orders:

- 1,219 business – enough for 66,752 employees
- 29,505 homes – enough for 85,026 adults and 27,254 children



KI Order Requests

Total KI Pill Order Requests:

2015 – January 8, 2020 30,724

33 hrs following the Alert **32,388**

- 427 business requests
- 31,961 residential requests



Health's Response

- Respond to public inquires
- Updating phone messaging
- Social Media
- Re-stock designated pharmacies
- Inquiries from non-designated pharmacies
- Liaise with OPG re: website order metrics



KI Working Group

- Established by CNSC as part of Pickering nuclear relicensing
- Phase 1 Workshop: Nov. 4 and 5, 2019
 - Report from Phase 1 will be posted on CNSC's website for public review shortly
- Phase 2: 2020



Thank You



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