

Canadian Nuclear Safety Commission (Alberta)

Research Facilities	Isotope Production
<p>Maps of nuclear facilities</p> <p>Back</p> <p>This map provides you with the location and type of nuclear facility. Map locations are approximate. By clicking on the facility icon, the alternate text for this Google map is the list of addresses found below the map.</p> <p>Installations:</p> <ul style="list-style-type: none"> CNSC offices Research facilities Uranium mines and mills Processing and fuel fabrication Radioactive waste management Irradiation facilities Medical facilities Isotope producers  <p>University of Alberta Edmonton, AB University of Alberta SLOWPOKE Reactor decommissioning will commence in spring 2017</p> <p>http://nuclearsafety.gc.ca/eng/resources/maps-of-nuclear-facilities/results.cfm?category=research-facilities</p>	<p>Maps of nuclear facilities</p> <p>Back</p> <p>This map provides you with the location and type of nuclear facility. Map locations are approximate. By clicking on the facility icon, the alternate text for this Google map is the list of addresses found below the map.</p> <p>Installations:</p> <ul style="list-style-type: none"> CNSC offices Research facilities Uranium mines and mills Processing and fuel fabrication Radioactive waste management Irradiation facilities Medical facilities Isotope producers  <p>Capital Health Authority Walter C. McKenzie Centre Edmonton, AB Class II nuclear facilities and prescribed equipment Nuclear substances, equipment and facilities</p> <p>http://nuclearsafety.gc.ca/eng/resources/maps-of-nuclear-facilities/results.cfm?category=isotope-production</p>

Isotope production and nuclear research facilities in Edmonton...
Now... what exactly do they do at these places?

Alberta^[edit] “[Energy Alberta Corporation](#) announced 27 August 2007 that they had applied for a licence to build a new nuclear plant in [Northern Alberta](#) at Lac Cardinal (30 km west of the town of [Peace River](#)), for two ACR-1000 reactors going online in 2017 as steam and electricity sources for the energy-intensive [oil sands](#) extraction process, which uses [natural gas](#).^[21] However, a parliamentary review suggested placing the development efforts on hold as it would be inadequate for oil sands extraction.^[22] Three months after the announcement, the company was purchased by Bruce Power^[23] who proposed expanding the plant to four units for a total 4.4 gigawatts.^[24] These plans were upset and Bruce withdrew its application for the Lac Cardinal in January 2009, proposing instead a new site 30 km north of Peace River.^[25] Finally, in December 2011, the controversial project was abandoned.”^[26]

https://en.wikipedia.org/wiki/Nuclear_power_in_Canada

Chernobyl:

"...the increase in incidence [of thyroid cancer] has been documented *up to 500 km* from the accident site... significant doses from radioactive iodine can occur hundreds of kilometers from the site, beyond emergency planning zones."^[19] Consequently, far more people than anticipated were affected by the radiation, which caused the United Nations to report in 2002 that "The number of people with thyroid cancer... has exceeded expectations. Over 11,000 cases have already been reported."^[40]

https://en.wikipedia.org/wiki/Potassium_iodide

As a matter of national pride, Canadian Candu heavy water reactors and systems are said to be very reliable and safe. The above accident (& others) would NOT have happened using Candu Reactors. However, US & other reactors are different... and at least one western US reactor could be “upwind” of Alberta.

Either way, one would have to continuously spend time keeping track of all this, just to know if a new reactor type, nuclear facility, war or accident “pops up” somewhere, affecting us locally somehow.

“Available online” won’t help.....

Better to have a supply of Bushman Radioactive Iodine Intake Inhibitor on hand !!