

Water Conversations Episode 5.0: The Environmental Impacts of Nuclear Power in the Great Lakes Region

Links and Notes from the Chat:

- Details on the first assessment stage for OPG's proposed construction of the BWRX-300 at Darlington are here:
<https://nuclearsafety.gc.ca/eng/resources/status-of-new-nuclear-projects/darlington/>
- OPG's news release about the extension of Pickering is here:
<https://news.ontario.ca/en/release/1002338/ontario-supports-plan-to-safely-continue-operating-the-pickering-nuclear-generating-station>
- The CNSC is going to hold a hearing in writing, considering submissions only from OPG and CNSC staff, on whether to extend the filing deadline for OPG to file documents related to the end of commercial operation for the Pickering Nuclear Generating Station. Details are here: <https://nuclearsafety.gc.ca/eng/the-commission/pdf/Notice-OPG-CMD22-H107-e.pdf>
- There is a web page about the BWRX-300 proposed news reactor at Darlington on the Stop-SMRs web page. Go to <https://stop-smrs.weebly.com/bwrx-300.html>
- For more information about the NWMO's investigation of the candidate site in northwestern Ontario between Ignace and Dryden, in the heart of Treaty 3 territory and in the headwaters of the Wabigoon and the Turtle River systems go to www.nuclearfreenorth.ca
- For information about the NWMO's pursuit of a nuclear wastes burial site more generally go to www.knownuclearwaste.ca
- For information about the site in South Bruce go to <https://www.protectourwaterways.org/>
- Monday, December 5th is the deadline for comment on OPG's application to renew their license for the Darlington Waste Management Facility. Key issues are a proposal to build additional dry storage containers immediately on the shore of Lake Ontario AND to change the name from Waste Management to Sustainability Services. The notice with details on how to comment are at https://nuclearsafety.gc.ca/eng/the-commission/hearings/documents_browse/results.cfm?dt=25-Jan-2023&yr=2023
- Read more about the radioactive waste policy review at www.nuclearwastewatch.ca
- Regarding the threshold for the size of reactor that would trigger an IA - no IA is needed if the reactor is 200 MW or less if not on a current nuclear site or 900 MW if on a current nuclear site. See section 27 of the Regulation here for the

specific language: <https://laws.justice.gc.ca/eng/regulations/SOR-2019-285/FullText.html>

- Please refer to point 4 on this link if you're doing an intervention on Darlington as Brennain suggests (away from water not beside water).
[https://www.anishinabek.ca/2017/05/02/joint-declaration-between-the-anishinabek-nation-and-the-iroquois-caucus-on-the-transport-and-abandonment-of-radioactive-waste/#:~:text=LAC%20LEAMY%2C%20QC%20\(May%202,situated%20beside%20the%20Ottawa%20River](https://www.anishinabek.ca/2017/05/02/joint-declaration-between-the-anishinabek-nation-and-the-iroquois-caucus-on-the-transport-and-abandonment-of-radioactive-waste/#:~:text=LAC%20LEAMY%2C%20QC%20(May%202,situated%20beside%20the%20Ottawa%20River)
- For the topic of regulatory capture see this newly released book edited by Bruce Campbell (Theresa wrote the chapter on nuclear regulation)
<https://lorimer.ca/adults/product/corporate-rules-the-real-world-of-business-regulation-in-canada/>
- it's a non-technical read and covers several sectors in Canada regarding hazardous technologies and regulatory capture. I especially advocated for the separation of the reporting / designated Minister for the safety regulatory CNSC from the AECL which is responsible for utilization or nuclear (and promotes new nuclear technology) - i.e. Minister of Natural Resources should not be the designated minister for both entities