Deep Geologic Repository Joint Review Panel

Commission d'examen conjoint du projet de stockage dans des couches géologiques profondes

PMD 13-P1.74A

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Supplementary Information Oral Intervention

Presentation from Glenn R. Sutton

In the Matter of

Ontario Power Generation Inc.

Proposed Environmental Impact Statement for OPG's Deep Geological Repository (DGR) Project for Low and Intermediate Level Waste

Renseignements supplémentaires Intervention orale

Présentation par Glenn R. Sutton

À l'égard de

Ontario Power Generation Inc.

Étude proposée pour l'énoncé des incidences environnementales pour l'Installation de stockage de déchets radioactifs à faible et moyenne activité dans des couches géologiques profondes

Joint Review Panel

Commission d'examen conjoint

September 16 to October 12, 2013

16 septembre au 12 octobre 2013































Facility underground is designed for future expansion (Current 4.5 kilom of tunnels, capacity designed until 2020 then 50 year expansion available). 20,000 people tour the facility annually. A separate engineered landfill site for Very Low Level waste is also on the adjacent site A referendum was not done for the L,L,W site. Local level of government has a special community study committee that meets on a regular basis and looks at safety and best practices issues. The County level of government has 71 councillors coupled with 49 councillors at the community level. In Sweden a referendum is advice, not binding act













CHEM-NUCLEAR SYSTEMS, LLC

LOW-LEVEL RADIOACTIVE WASTE MANAGEMENT FACILITY

BARNWELL, SOUTH CAROLINA

Chem-Nuclear Facts

- Chem-Nuclear Systems, LLC is a wholly-owned subsidiary of Duratek, Inc., a world-wide leader in radioactive waste management services.
- The Barnwell County Council and the South Carolina State Development Board were instrumental in recruiting Chem-Nuclear to Barnwell.
- Chem-Nuclear's Barnwell LLRW Management Facility has operated continuously with no regulatory shutdowns since operations began in 1971.
- The site is 235 acres deeded to the State of South Carolina and leased to Chem-Nuclear for disposal operations as required by state and federal law.

Chem-Nuclear Facts (cont'd)

- Chem-Nuclear generates over \$600,000 per year in Barnwell County taxes through vehicle taxes, real property taxes, and business license taxes.
- Chem-Nuclear enjoys strong community support largely due to an open door policy and exceptional safety record.
- Two-thirds of the radioactivity disposed of at the Barnwell Low-Level Radioactive Waste Facility has already decayed.
- Chem-Nuclear donated a rare wetlands area, Craig Pond, to the South Carolina Heritage Trust to be preserved in its pristine state.























Rac	lioactiv	e Material in our Everyday Lives	
Electricity	Approx. 60% of SC electricity is from nuclear power		
Medicine	•	radiation treatments for cancer therapy	
	•	nuclear medicine such as soft tissue and tumor imaging	
	•	pathology & laboratory - invitro diagnostics	
	•	new pharmaceuticals - >80% of all new drugs	
Industrial	•	density - food and packaging industries	
	•	thickness - paper, glass, tape, etc.	
	•	vulcanized rubber - tires and insulation, etc.	
	•	detect wear - machine tools, blast furnaces, engines, etc.	
	•	level gauges - tanks, food containers, etc.	
Research	•	all scientific fields	

































•	(f) An environmental area or a high risk area as defined in part 323 (shorelands protection and management) of Act No. 451 of the Public Acts of 1994, being sections 324.32301 to 324.32315 of the Michigan Compiled Laws.
•	(g) A floodway designated under part 31 (water resources protection) of Act No. 451 of the Public Acts of 1994, being sections 324.3101 to 324.3119 of the Michigan Compiled Laws.
•	(h) Located where the hydrogeology beneath the site discharges groundwater to the land surface within 3,000 feet of the boundaries of the candidate site.
•	Located within 10 miles of Lake Michigan, Lake Superior, Lake Huron, Lake Erie, Saint Marys river, Detroit river, St. Clair river, or lake St. Clair. <u>This subdivision shall not apply to a site that is</u> located at or adjacent to a nuclear power generating facility.
•	History: 1987, Act 204, Imd. Eff. Dec. 22, 1987 ; Am. 1996, Act 68, Imd. Eff. Feb. 26, 1996





