

PMD 13-P1.146A

File / dossier : 8.01.07
Date: 2013-08-27
Edocs: 4191571

**Supplementary Information
Oral intervention**

**Presentation from
Jutta Splettstoesser**

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

Joint Review Panel

September 16 to October 12, 2013

**Renseignements supplémentaires
Intervention orale**

**Présentation de
Jutta Splettstoesser**

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

Commission d'examen conjoint

Du 16 septembre au 12 octobre 2013

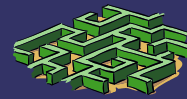
Objection to underground nuclear waste storage in Kincardine

Oral Intervention Sept. 19, 2013
Kincardine, Ontario

by

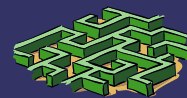
Jutta Spletstoesser, local farmer, GPO

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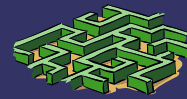
Subjects

- ➔ Public participation
- ➔ Description of the project
- ➔ Environmental assessment boundaries
- ➔ Existing environment
- ➔ Long-term safety of DGR

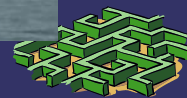


Public participation within DGR process

- ➔ No opportunity for active public participation
- ➔ Lack of transparency & accountability
- ➔ No referendum for site selection
- ➔ Lack of public debate about concerns
- ➔ Ignorance to objection

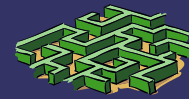


Bread basket of Ontario seems secondary for some



Project description

- ➔ Suitability by chance
No site selection process based on science
- ➔ Size not determined
200,000m³ or 400,000m³ ???
- ➔ DGR 1000m distant to 9 nuclear reactors,
multiple radioactive waste storage facilities
& the Great Lakes



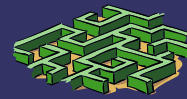
Very high risk project area

- ➔ Consider not to concentrate more nuclear activities in one location
- ➔ Cumulative effects could unintentionally elevate the risks to the environment
- ➔ What are the impacts of blasting and excavation activities on existing structures?



Environmental assessment boundaries

- Average data instead of actual data for risk assessment clouds the real picture
- What is declared safe today, might not be safe tomorrow!!!
- Why is it so difficult to access information about our environment???



OPG: safe, responsible management of nuclear waste ...

Q: Will the drinking water of millions of residents on the Great Lakes Basin be contaminated?

- “The dose is predicted to be negligible initially and will continue to decay over time. Also for comparison, even if the entire waste volume were to be dissolved into Lake Huron, the corresponding drinking water dose would be a factor of 100 below the regulatory criteria initially, and decreasing with time.” (OPG official response undated)



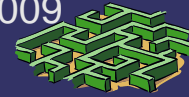
...a history of leaks and plums!!!

- Table 11, pg. 28 Tritium Releases and Dose Consequences in Canada in 2006

Tritium Concentrations in Groundwater at WWMF measured max. 41,000 (Bq/L)

- Graph 3.31, pg. 29 OPG DGR: Analysis of the Impact on the WWMF of Groundwater Withdrawal Associated with the Construction of the DGR Shafts WWMF WSH 231 Tritium Concentration measured max. **80,000 (Bq/L)** Sept. 2009

- WHERE IS IT NOW???

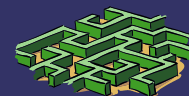


Existing environment

- Accumulating radionuclide contamination in the Municipality of Kincardine

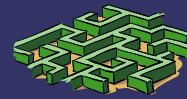
is not public knowledge

- Why was Tritium (H^3) contamination in the ground around the proposed shaft not accessed in the Site Study for the Environmental assessment?



Long-term safety of the DGR

- ➔ Definition of safety depends on the standards we apply
- ➔ Highly speculative & based on assumptions
- ➔ Reliability of computer programs is not established

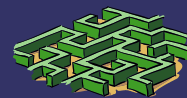


International statement from Directors of the working group Schacht Konrad e.V. (Germany)

- ➔ www.ag-schacht-konrad.de

“...Based on our experience we warn against realization of the project in proximity to such important drinking water resources.”

(Ludwig Wasmus / Ursula Schoenberger)
Salzgitter 2013-08-26



Recommendation

- Mandatory active citizen participation, locally, nationally & internationally, in the site selection including all other steps of nuclear waste storage
- Development of practical guidelines to regulate activities in vicinity to multiple nuclear reactor facilities
- Exclude the Bruce site from future consideration for underground nuclear waste storage because of existing radionuclide contamination in the environment



Conclusion

- My call to the Joint Review Panel is to deny OPG's license application for the L & ILW Deep Geological Repository in Kincardine, Ontario
- Many citizens are scared to speak against the DGR in public because of fear of negative impacts on their lives



Next generations will know more ...

