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**Supplementary Information
Oral intervention**

**Presentation from
Sierra Club Canada**

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 par
Sierra Club Canada**

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

16 septembre au 12 octobre 2013

**“A Neglected Potential
for Malevolent Acts”**

Presented by John Bennett, Executive Director



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**CNSC Public Hearing on
OPG’s Proposal to Develop a DGR,
September 2013**

**“A Neglected Potential
for Malevolent Acts”**

**Presentation by Gordon Thompson,
Institute for Resource & Security Studies,
Cambridge, Massachusetts, USA**

Conclusion #1:

- **OPG has provided an incomplete assessment of malevolence-related radiological risk associated with the DGR**
- **OPG's EIS does not consider: (i) theft; (ii) threats; (iii) events affecting waste prior to its departure from the WWMF to the DGR**

Conclusion #2:

- **There is prima facie evidence that the components of risk neglected by OPG are significant**
- **The evidence is: (i) volumetric concentrations of Co-60 and Cs-137; (ii) experience with high dose-rate ILW**
- **It appears that some ILW waste forms could, if stolen, pose a significant RDD or RED hazard**

A Crude Type of Radiological Dispersal Device (RDD)



Recommendation:

- **OPG or a qualified contractor should conduct further investigation of malevolence-related radiological risk**
- **An appropriate investigation is outlined in a report by this author**