

## RESPONSE TO SA NUCLEAR FUEL CYCLE ROYAL COMMISSION'S TENTATIVE FINDINGS

Re: Permanent Disposal/ Long –term Storage of High-Level Nuclear Waste from Overseas in SA –

Bearing in mind that the international transport/ storage of high-level nuclear waste has not been carried out before: - Have the following factors been considered and how is it proposed that they are dealt with?

1. Risks of radioactive materials escaping during transport (by sea) from overseas source countries.
2. The potential international/ environmental ramifications of 1.
3. Risks of radioactive materials escaping during temporary storage and handling at/ transport to/ from the proposed ground-level “interim storage facility” in SA. (Ref. Para. 87a - p.18)
4. Potential escape/ leakage of radioactive materials from long-term underground storage into aquifers or migration to surface etc.
5. Consequences of heat build-up from long-term storage of large quantities of High-Level Nuclear Waste.
6. How to guarantee the safety/ integrity of a storage/ containment system/facility for a required life of tens of thousands of years.

Peter Bolton (SA resident) 18/3/16