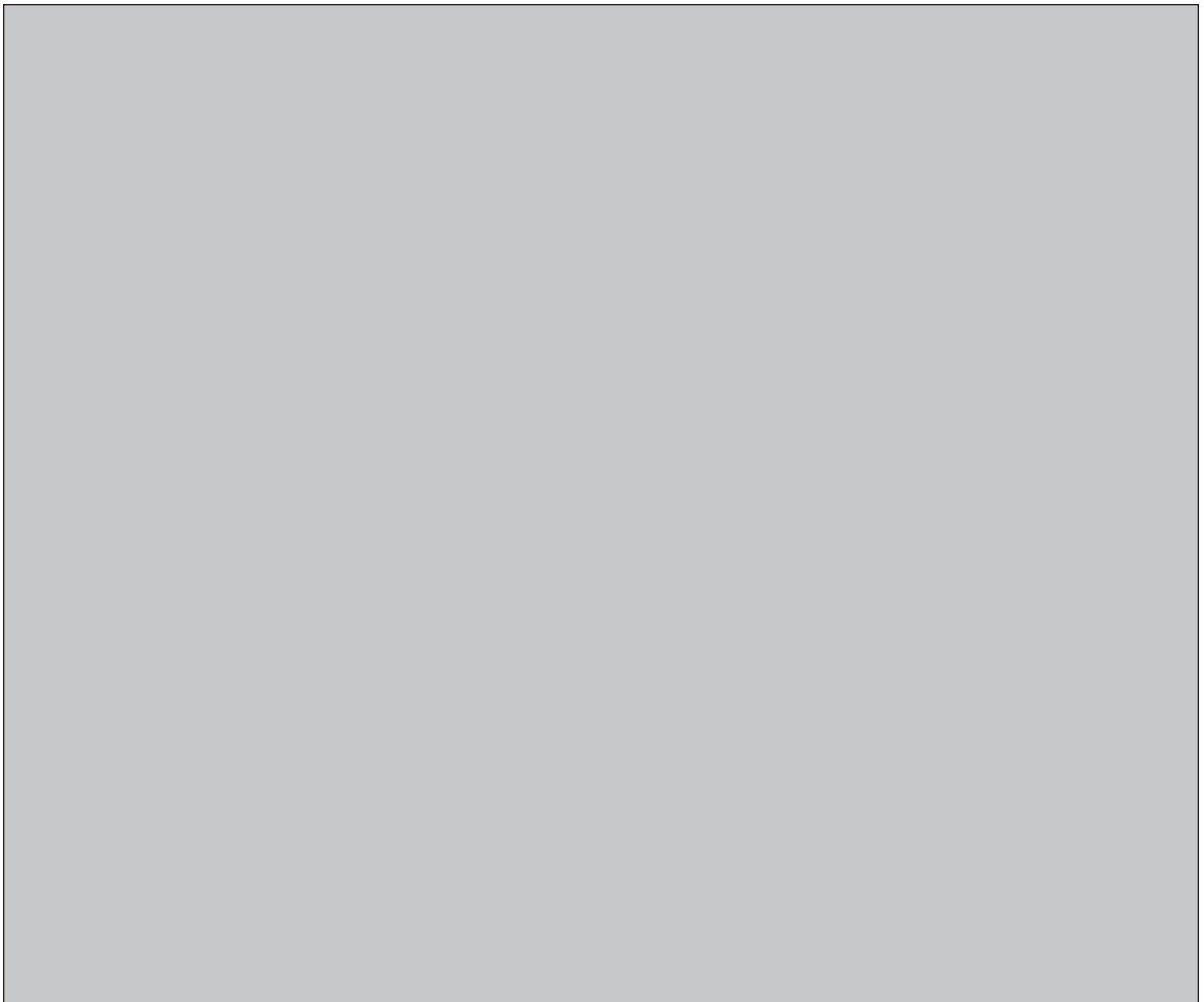


NWMO BACKGROUND PAPERS

9. ASSESSMENTS

9-2b ASSESSMENT OF BENEFITS, RISKS AND COSTS OF A PROPOSED ADAPTIVE PHASED MANAGEMENT APPROACH BY ILLUSTRATIVE ECONOMIC REGION SUPPLEMENTAL REPORT EXECUTIVE SUMMARY

Golder Associates Ltd., Gartner Lee Limited



Assessment of Benefits, Risks and Costs of a Proposed Adaptive Phased Management Approach By Illustrative Economic Region

Executive Summary:

This report follows on previous work commissioned by NWMO to conduct a comparative assessment of the three management approaches specified for study in the Nuclear Fuel Waste Act (NFWA):, Deep Geological Disposal in the Canadian Shield; Storage at Nuclear Reactor Sites; and Centralized Storage.

This report builds on the Preliminary Comparative Assessment prepared by the Nuclear Waste Management Organization (NWMO) Assessment Team, as well as using statistical and demographic information from publicly available sources, to develop quantitative and qualitative analyses that incorporate the objectives and influencing factors previously identified by the NWMO as reflecting Canadian values, objectives and concerns. These objectives are:

- Fairness
- Public Health and Safety
- Worker Health and Safety
- Community Well-being
- Security
- Environmental Integrity
- Economic Viability
- Adaptability

This report examines the benefits, risks and costs for a fourth management approach proposed by the NWMO for study: Adaptive Phased Management, and compares this approach against the three management approaches assessed in the Golder Associates/Gartner Lee report, “Assessment of Benefits, Risks and Costs of Management Approaches for Used Nuclear Fuel By Illustrative Economic Region” (2005).

This present comparison of benefits, risks and costs for the Adaptive Phased Management Approach takes into consideration the effects of each management approach on illustrative economic regions where the project could be implemented. The purpose of looking at economic regions is to highlight how changes in location could potentially affect the way in which each management approach would perform against the eight objectives.