

Appendix B

Regulatory Objectives, Requirements and Guidelines for the Disposal of Radioactive Wastes — Long-term Aspects

(excerpt from
Atomic Energy Control Board's Regulatory
Document R-104)

1. Objectives of Radioactive Waste Disposal

The objectives of radioactive waste disposal are to:

- minimize any burden placed on future generations,
- protect the environment, and
- protect human health,

taking into account social and economic factors.

2. Basic Regulatory Requirements

2.1 *Burden on future generations*

The burden on future generations shall be minimized by:

- (a) selection of disposal options for radioactive wastes which, to the extent reasonably achievable, do not rely on long-term institutional controls as a necessary safety feature;
- (b) implementing these disposal options at an appropriate time, technical, social and economic factors being taken into account; and
- (c) ensuring that there are no predicted future risks to human health and the environment that would not be currently accepted.

2.2 *Protection of the environment*

Radioactive waste disposal options shall be implemented in a manner such that there are no predicted future impacts on the environment that would not be currently accepted and such that the future use of natural resources is not prevented by either radioactive or non-radioactive contaminants.