An Evaluation of Options for Managing Greater-Than-Class-C Low-Level Radioactive Waste

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Foreword

This evaluation of management options for greater-than-Class C (GTCC) low-level radioactive waste was undertaken at the request of the Senate Committee on Environment and Public Works. The Committee asked that OTA evaluate existing Federal and non-Federal options for GTCC waste storage and disposal. From its analysis, OTA was to develop an integrated management approach to protect public health and safety in the short- and long-term.

The most significant finding of this study deals with the storage of GTCC waste. Since a disposal facility for GTCC waste will not be available for at least fifteen to twenty years, GTCC waste will have to remain in storage in the meantime. This period of extended storage could be extremely difficult for many GTCC material users and waste generators. OTA has developed a possible approach for addressing these problems.


This Background Paper on GTCC waste was prepared as part of a broader study on the disposal of Class A, B, and C low-level radioactive waste that will be completed next year. This latter report will also deal with the disposal of mixed wastes that contain both low-level radioactive and hazardous wastes. The management of hazardous wastes has been addressed in several OTA reports, including Technologies and Management Strategies for Hazardous Waste Control, (1983) and Serious Reduction of Hazardous Waste, (1986).

OTA is grateful for the input from the many reviewers of this report; their comments were invaluable. As with all OTA studies, the content of this report is the sole responsibility of OTA.

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NOTE: OTA appreciates and is grateful for the valuable assistance and thoughtful critiques provided by all the reviewers of this Background Paper. The reviewers do not, however, necessarily approve, disapprove, or endorse this Background Paper. OTA assumes full responsibility for the Background Paper and the accuracy of its contents.