

US EPA determined that five of the methods evaluated, once they modify their criteria for determining whether or not a tank is leaking, have the capability to meet US EPA regulation.

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*How to Meet Requirements for Hazardous Waste Landfill, Design, Construction and Closure*, by US Environmental Protection Agency, published by Noyes Data Corp., Park Ridge, NJ, 1990, ISBN 0-8155-1242-2, 123 pp., \$ 45.00.

The US Environmental Protection Agency's (US EPA's) minimum technological requirements for hazardous waste landfill design were set forth by the US Congress in the 1984 Hazardous and Solid Waste Amendments to RCRA. These amendments covered requirements for landfill liners and leachate collection and removal systems as well as leak detection systems for landfills, surface impoundments and waste pits. In response to these Congressional Amendments, the US EPA has issued proposed regulations and guidance on the design of these systems and on construction quality assurance, final cover and response actions for responding to landfill leaks.

The book is based on a US EPA Technology Transfer Seminar held in 1988. It contains text, slides and transcripts of five speakers from the US EPA, consulting firms and universities. The seminar and the resulting book outlined in detail the minimum technology provisions and proposed regulations. It also provides detailed information on the construction of hazardous waste facilities that comply with these regulations.

A listing of the chapter titles reveals the book's scope and coverage:

- (1) Overview of minimum technology guidance and regulations for hazardous waste landfills
- (2) Linear design; clay liners
- (3) Flexible membrane liners
- (4) Elements of liquid management at waste containment sites
- (5) Securing a completed landfill
- (6) Construction, quality assurance and control; construction of clay liners
- (7) Construction of flexible membrane liners
- (8) Liner compatibility with wastes
- (9) Long-term consideration—problem areas and unknown
- (10) Leak response action plan

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