

40-8724

June 19, 1998

NOTE TO: Docket File

FROM: Timothy C. Johnson, Section Chief  
Facilities Decommissioning Section  
Low-Level Waste and Decommissioning  
Projects Branch  
Division of Waste Management, NMSS

SUBJECT: DRAFT CHEMETRON LICENSE AMENDMENT

On June 19, 1998, I faxed the attached draft license amendment to Ted Adams and Barry Koh, representing Chemetron Corporation, for their review.

CONTACT: T.C. Johnson, NMSS  
301-415-7299

Enclosure: As stated

Docket No.: 040-08724  
License No.: SUB-1357

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Draft Chemetron License Condition 16.d

Solid and radioactive contaminated waste shall be placed into the Bert Avenue disposal cell in loose lifts not to exceed 0.3-m (1-ft) in thickness. Each lift shall be compacted based on the optimal number of compaction equipment passes determined by a roller pattern. The roller pattern shall establish the relationship between the density of the waste and the number of compaction passes. The roller pattern testing shall be performed at least on a weekly basis to account for variations in the waste, and the number of compaction equipment passes shall be adjusted appropriately. The compacted waste shall be tested for moisture content at a minimum of five locations per acre per lift. If the average moisture content exceeds 16.3 percent or if any individual moisture content exceeds 18.3 percent, the material shall be reworked, dried using natural drying or using a drying agent (such as dolomite kiln dust), and recompact based on roller pattern testing. If the average moisture content is less than 14.3 percent, the material shall be reworked, wet material or water added, and recompact based on roller pattern testing.

The waste shall be covered with a clean fill and soil cover having a final cover depth of at least 2.7 m (9 ft). Deviations in compaction results or final cover depth shall be evaluated in accordance with Administrative Procedure AP-06, "Field Changes." A vegetative cover shall be placed over the clean fill and soil cover. At the time of waste placement, the bottom of the waste layer shall be greater than 3.3 m (10 ft) above the highest groundwater elevation. The east slope of the disposal cell shall be covered with riprap. The soft, alluvial soils located in the vicinity of the open sewer line shall be removed prior to construction of the disposal cell.

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