

Table B-32. Site Investigations and Monitoring at Waste Management Facilities in the L-Area Geographic Grouping<sup>a</sup>

Facility	RCRA monitoring well <sup>b</sup>	Site investigations <sup>c</sup>	Monitoring results
HAZARDOUS WASTE SITES			
L-Area burning/rubble pit (131-L)	LRP 1 LRP 2 LRP 3 LRP 4	Wells monitored quarterly for RCRA and SCHWMR parameters. Waste site sediment characterization program to be undertaken.	Groundwater monitoring indicates no contaminants present.
L-Area acid/caustic basin (904-79G)	LAC 1 LAC 2 LAC 3 LAC 4	Wells monitored quarterly for RCRA and SCHWMR parameters. Waste site characterization program completed third quarter of 1985.	Statistical analysis of groundwater monitoring data indicates the following are present: <ul style="list-style-type: none"> <li>• pH</li> <li>• Conductivity</li> <li>• Sulfate</li> <li>• Sodium</li> </ul> Sediment samples showed presence of metals and other inorganics.
CMP pits (080-17G, 080-17.1G, 080-18G, 080-18.1G, 080-18.2G, 080-18.3G, 080-19G)	CMP 8A, B, C CMP 9B, C CMP 10B, C CMP 11B, C, TA CMP 12A, B, C CMP 13B, C CMP 14B, C CMP 15A, B, C CMP 16B	Wells monitored quarterly for RCRA and SCHWMR parameters. Soil borings taken and contaminated soil excavated from pits (1984). Area capped with impermeable plastic and soil cover.	Statistical analysis of groundwater data shows the following are present: <ul style="list-style-type: none"> <li>• Conductivity</li> <li>• Zinc</li> <li>• Nitrate</li> <li>• Sulfate</li> <li>• pH</li> <li>• Sodium</li> </ul> Groundwater constituents include: <ul style="list-style-type: none"> <li>• Benzene</li> <li>• Methylene chloride</li> <li>• Tetrachloroethylene</li> <li>• Toluene</li> <li>• Bisphthalate</li> <li>• Lead</li> <li>• Mercury</li> <li>• Zinc</li> <li>• Copper</li> </ul>

Footnotes on last page of table.

Table B-32. Site Investigations and Monitoring at Waste Management Facilities in the L-Area Geographic Grouping<sup>a</sup> (continued)

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Facility	RCRA monitoring well <sup>b</sup>	Site investigations <sup>c</sup>	Monitoring results
LOW-LEVEL WASTE SITES			
L-Area Bingham pump outage pits (643-2G, 643-3G)	None	No monitoring wells exist at outage pits, and records yield no evidence of core-sampling activity there. Radioactivity in vegetation measured in 1970.	Vegetation growing above outage pits shows little activity.
MIXED WASTE SITES			
L-Area oil and chemical basin (904-83G)	LCO 1 LCO 2 LCO 3 LCO 4	Wells monitored quarterly for RCRA and SCHWMM parameters. Basin water, basin sediment, and soil under basin sampled in early 1985.	Groundwater constituents include: <ul style="list-style-type: none"> <li>• Cadmium</li> <li>• Chromium</li> <li>• Mercury</li> <li>• Nickel</li> <li>• Lead</li> <li>• Tetrachloroethylene</li> </ul> Possible basin-soil contaminants include <ul style="list-style-type: none"> <li>• Americium-241</li> <li>• Antimony-125</li> <li>• Cesium-137</li> <li>• Cobalt-60</li> <li>• Europium-152</li> <li>• Europium-154</li> <li>• Europium-155</li> <li>• Plutonium-238</li> <li>• Plutonium-239, -240</li> <li>• Promethium-147</li> <li>• Strontium-90</li> <li>• Tritium</li> <li>• Uranium-235</li> <li>• Uranium-238</li> </ul>

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<sup>a</sup>Sources: Huber, Johnson, and Marine, 1987; Ward, Johnson, and Marine, 1987; Scott, Kolb, Price, and Bledsoe, 1987; Pekkala, Jewell, Holmes, and Marine, 1987b; Pekkala, Jewell, Price, and Bledsoe, 1987.

<sup>b</sup>The monitored hydrogeologic unit is the Barnwell.

<sup>c</sup>See page B-1.

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