

Table 2-10. Estimated Range of Hazardous, Mixed, and Low-Level Radioactive Waste Volumes (cubic meters)

Waste/type/source	20-year waste volume generated without Burial Grounds	20-year waste volume generated including Burial Grounds	Minimum disposal/storage volume <sup>a</sup>	Maximum disposal/storage volume <sup>a</sup> without Burial Grounds <sup>b</sup>	Maximum disposal/storage volume including Burial Grounds <sup>b</sup>
<u>Hazardous</u>					
Operations	2,500	2,500	900	2,500	2,500
Interim storage	2,200	2,200	1,600	2,200	2,200
Removal/closure	<u>98,900</u>	<u>98,900</u>	<u>0</u>	<u>98,900</u>	<u>98,900</u>
Total	103,600	103,600	2,500	103,600	103,600
<u>Mixed</u>					
Operations	95,100	95,100	9,500	95,100	95,100
Interim storage	1,900	1,900	400	1,900	1,900
Removal/closure	<u>91,100</u>	<u>1,569,000</u>	<u>0</u>	<u>91,100</u>	<u>1,569,000</u>
Total	188,100	1,666,000	9,900	188,100	1,666,000
<u>Low-Level Radioactive</u>					
Operations	646,600	646,600	278,000	646,600	646,600
Interim storage	0	0	0	0	0
Removal/storage	<u>53,200</u>	<u>1,577,200</u>	<u>0</u>	<u>53,200</u>	<u>1,577,200</u>
Total	699,800	2,223,800	278,000	699,800	2,223,800
Waste Total	991,500	3,993,400	290,400	991,500	3,993,400

<sup>a</sup>Assumes no removal at existing waste sites and maximum volume reduction through predisposal treatment (i.e., Dedication strategy).

<sup>b</sup>Assumes removal at existing waste sites and no volume reduction (i.e., Elimination strategy).

Table 2-11. New Disposal/Storage Facility Alternatives

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Waste management strategy	Disposal/storage objective	Disposal/storage technologies		
		Hazardous waste	Mixed waste	Low-level waste
No action	No new facilities	Storage at existing facilities and at other available structures, pads, and areas	Storage at existing facilities and at other available structures, pads, and areas	Disposal at existing facilities and storage at other available structures, pads, and areas
Dedication	Disposal facilities	RCRA landfill or vaults <sup>a</sup>	RCRA landfill or shielded vaults, with or without CFM vaults	ELLT, vaults, or AGO for low-activity waste; and vaults or GCD for intermediate activity waste
Elimination	Retrievable storage facilities	Storage buildings	Shielded storage buildings	Engineered storage buildings
Combination	Disposal/storage combination	Storage buildings and RCRA landfill or vaults	Shielded storage buildings and RCRA landfill or shielded vaults, with or without CFM vault	Engineered storage buildings; and ELLT, vaults, or AGO for low-activity waste, and vaults or GCD for intermediate activity waste

<sup>a</sup>All vaults may be aboveground or belowground.