Table 4-32. Elimination Strategy Excavation and Transport Requirements

Geographic grouping/waste sites		Waste volume (m^3)	Backfill volume (m^3)	Transport Distance (km)	Storage/disposal facility
A- and M-Areas					
1-1	716-A motor shop seepage basin	Drummed liquid		8.7	HW
		675 (soil)	2,025	7.3	Sanitary landfill
1-2	Metals burning pit	21,600	21,600	6.8[a]	HW or incinerate
1-3	Silverton Road waste site	26,288	26,288	8.9[a]	Y-Area
1-4	Metallurgical laboratory basin	340	900	13.0	HW
1-5	Miscellaneous chemical basin	72	72	6.8[a]	HW or incinerate
1-6	A-Area burning/rubble pit	5,460	22,140	6.7	HW
1-7	A-Area burning/rubble pit	1,630	6,683	6.7	HW
1-8 to 11	SRL seepage basins	1,900	1,900	16.9	LLW
1-12	M-Area settling basin	28,990	30,000	9.9	MW
1-13	Lost Lake	16,900	b	7.4	MW
F- and H-Areas					
2-1	F-Area acid/caustic basin	210	700	10.0	HW
2-2	H-Area acid/caustic basin	210	700	11.8	HW
2-3	F-Area burning/rubble pit	1,584	6,494	7.2	HW
2-4	F-Area burning/rubble pit	2,606	10,889	7.2	HW
2-5	H-Area retention basin	6,080	11,500	3.3	LLW
2-6	F-Area retention basin	9,154	9,824	2.2	LLW
2-7 to 2-9	Radioactive waste burial grounds	3,000,000	3,000,000	10.5	MW
2-10 to 2-12	F-Area seepage basins	8,000	122,000	8.7	MW/HW
2-13	F-Area seepage basin (old)	5,370	5,370	9.1	MW/HW
2-14 to 2-17	H-Area seepage basins	20,870	237,150	11.3	MW/HW
R-Area					
3-1	R-Area burning/rubble pit	466	1,902	19.9	HW
3-2	R-Area burning/rubble pit	719	2,948	19.9	HW
3-3	R-Area acid/caustic basin	210	700	19.3	HW
3-4	R-Area Bingham pump outage pit	1,600	1,600	11.8	LLW
3-5	R-Area Bingham pump outage pit	1,200	1,200	11.8	LLW
3-6	R-Area Bingham pump outage pit	4,200	4,200	11.8	LLW
3-7 to 3-12	R-Area reactor seepage basins	7,080	7,000	12.4	LLW
C- and CS-Areas					
4-1	CS burning/rubble pit	555	2,276	12.8	HW
4-2	CS burning/rubble pit	1,255	5,146	13.4	HW
4-3	CS burning/rubble pit	804	3,298	14.5	HW
4-4	C-Area burning/rubble pit	811	3,325	15.5	HW/MW
4-5	Hydrofluoric acid spill area	230	230	15.0	MW/HW
4-6	Ford Building waste site	345	345	8.8	LLW
4-7	Ford Building seepage basin	76	840	15.1[a]	Appropriate onsite S/D facility

TC

Footnotes on last page of table.

Table 4-32. Elimination Strategy Excavation and Transport Requirements (continued)

Geographic grouping/waste sites		Waste volume (m^3)	Backfill volume (m^3)	Transport Distance (km)	Storage/disposal facility	TE
TNX Area						
5-1	D-Area burning/rubble pit	1,260	5,166	9.5	HW	
5-2	D-Area burning/rubble pit	856	3,510	9.5	HW	
5-3	TNX burying ground	896	896	18.7	LLW	TC
5-4	TNX seepage basin (old)	594	4,060[c]	9.6	HW/MW	
5-5	TNX seepage basin (new)	359	2,529	9.6	HW/MW	
D-Area						
6-1	D-Area oil seepage basin	5,742	5,742	11.7	Sanitary landfill	
Road A Area						
7-1	Road A chemical basin	1,000	5,500[d]	11.9[a]	LLW or MW/HW	
K-Area						
8-1	K-Area burning/rubble pit	638	2,615	16.3	HW	
8-2	K-Area acid/caustic basin	210	700	16.7	HW	
8-3	K-Area Bingham pump outage pit	7,700	7,700	14.9	LLW	
8-4	K-Area reactor seepage basin	260	1,600	14.0[e]	Appropriate MW/HW or LLW	
L-Area						
9-1	L-Area burning/rubble pit	617	2,529	19.4	HW	
9-2	L-Area acid/caustic basin	210	700	19.0	HW	TC
9-3 to 9-9	CMP pits	1,500	5,500	16.7[a]	Incinerate	
9-10	L-Area Bingham pump outage pit	4,100	4,100	11.9	LLW	
9-11	L-Area Bingham pump outage pit	4,200	4,200	11.8	LLW	
9-12	L-Area oil and chemical basin	675	3,500	19.3[a]	HW/MW and LLW	
P-Area						
10-1	P-Area burning/rubble pit	1,171	4,802	22.4	HW	
10-2	P-Area acid/caustic basin	210	700	21.7	HW	
10-3	P-Area Bingham pump outage pit	3,800	3,800	13.7	LLW	
Miscellaneous areas						
11-1	SRL oil test site	140	140	11.3	Sanitary landfill	
11-2	Gunsite 720 rubble pit	35	35	4.4	MW/HW	
	TOTAL	3,291,160				

[a]Distance is to hazardous/mixed waste facilities.
[b]Included in total for the M-Area settling basin.
[c]4060 m^3 excavated clean material reused for backfill.
[d]4500 m^3 excavated clean material reused for backfill.
[e]Distance is to low-level radioactive waste facility.