B.4 Waste Volumes

Tables B.5 through B.14 summarize the waste volumes to be managed by waste stream under each of the alternatives for LLW, MLLW, TRU waste, and WTP wastes, respectively. Section 2.1 in the body of the EIS can be consulted for text descriptions of each waste stream, and Appendix C contains additional information regarding the development of the waste volumes.

Table B.5. Low-Level Waste Hanford Only Volumes (m^3)[a, b]

Stream Number	Stream Name	Inventory/ Disposed	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012-2046	Total
1	LLW Cat 1	18,944	2,410	2,486	3,241	3,107	3,120	3,117	3,872	4,611	3,827	3,902	36,156	88,792
2	LLW Cat 3	2,773	546	547	573	561	551	534	534	349	345	1,513	30,782	39,607
3	GTC3	<1												<1
6	Non-Conforming	299	0	0	0	0	0	0	0	0	0	0	0	299
20	Previously Disposed	283,067	Not Applicable											283,067

(a) To obtain cubic yards, multiply by 1.308.
(b) Rounded to the nearest cubic meter in this table for calculational convenience; significant figures are not meant to indicate the accuracy of the numbers.

Table B.6. Low-Level Waste Lower Bound Volumes (m^3)[a, b]

Stream Number	Stream Name	Inventory/ Disposed	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012-2046	Total
1	LLW Cat 1	18,944	3,429	4,290	4,181	3,770	4,241	3,493	4,241	4,998	4,196	4,275	47,825	107,883
2	LLW Cat 3	2,773	1,048	769	727	676	568	559	552	366	362	1,530	31,403	41,334
3	GTC3	<1												<1
6	Non-Conforming	299	0	0	0	0	0	0	0	0	0	0	0	299
20	Previously Disposed	283,067	Not Applicable											283,067

(a) To obtain cubic yards, multiply by 1.308.
(b) Rounded to the nearest cubic meter in this table for calculational convenience; significant figures are not meant to indicate the accuracy of the numbers.

Table B.7. Low-Level Waste Upper Bound Volumes (m^3)[a, b]

Stream Number	Stream Name	Inventory/ Disposed	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012-2046	Total
1	LLW Cat 1	18,944	3,429	4,290	24,103	23,692	24,163	23,415	24,163	7,409	6,591	7,882	119,048	287,130
2	LLW Cat 3	2,773	1,048	769	2,905	2,854	2,747	2,737	2,730	630	624	1,925	39,190	60,933
3	GTC3	<1												<1
6	Non-Conforming	299	0	0	0	0	0	0	0	0	0	0	0	299
20	Previously Disposed	283,067	Not Applicable											283,067

(a) To obtain cubic yards, multiply by 1.308.
(b) Rounded to the nearest cubic meter in this table for calculational convenience; significant figures are not meant to indicate the accuracy of the numbers.

Table B.8. Mixed Low-Level Waste Hanford Only Volumes (m^3)[a, b]

Stream Number	Stream Name	Inventory/ Disposed	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012-2046	Total
11	Treated & Ready for Disposal	2,112	704	142	691	1,183	863	1,111	1,612	2,164	2,136	2,613	12,726	28,054
12	RH & Non-Standard	65	175	136	127	111	97	43	56	112	118	123	1,743	2,906
13A	CH Inorganic Solids & Debris	3,172	402	416	440	426	377	329	368	385	381	688	12,724	20,108
13B	CH Organic Solids & Debris	2,553	235	196	249	190	187	160	171	201	190	153	2,241	6,727
14	Elemental Lead	445	9	9	10	10	11	8	9	10	9	6	65	600
15	Elemental Mercury	13	0	0	0	0	1	1	1	1	1	1	1	20
18	MLLW Leachate	Dependent on alternative chosen												

(a) To obtain cubic yards, multiply by 1.308.
(b) Rounded to the nearest cubic meter in this table for calculational convenience; significant figures are not meant to indicate the accuracy of the numbers.

Table B.9. Mixed Low-Level Waste Lower Bound Volumes (m^3)[a, b]

Stream Number	Stream Name	Inventory/ Disposed	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012-2046	Total
11	Treated & Ready for Disposal	2,112	704	142	691	1,183	863	1,111	1,612	2,164	2,136	2,613	12,754	28,082
12	RH & Non-Standard	65	175	136	127	111	97	43	56	112	118	123	1,743	2,904
13A	CH Inorganic Solids & Debris	3,172	403	417	441	426	377	329	368	385	381	688	12,724	20,111
13B	CH Organic Solids & Debris	2,553	237	198	251	192	189	162	173	203	192	155	2,284	6,790
14	Elemental Lead	445	14	10	11	10	11	8	9	10	9	6	65	608
15	Elemental Mercury	13	0	0	0	0	1	1	1	1	1	1	1	21
18	MLLW Leachate	Dependent on alternative chosen												

(a) To obtain cubic yards, multiply by 1.308.
(b) Rounded to the nearest cubic meter in this table for calculational convenience; significant figures are not meant to indicate the accuracy of the numbers.

Table B.10. Mixed Low-Level Waste Upper Bound Volumes (m^3)[a, b]

Stream Number	Stream Name	Inventory/ Disposed	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012-2046	Total
11	Treated & Ready for Disposal	2,112	704	142	20,190	20,683	20,363	20,610	21,112	3,685	3,441	3,920	51,457	168,419
12	RH & Non-Standard	65	175	136	127	111	97	43	56	112	118	123	1,743	2,904
13A	CH Inorganic Solids & Debris	3,172	403	417	441	426	377	329	368	385	381	688	12,724	20,111
13B	CH Organic Solids & Debris	2,553	237	198	251	192	189	162	173	203	192	155	2,284	6,790
14	Elemental Lead	445	14	10	11	10	11	8	9	10	9	6	65	608
15	Elemental Mercury	13	0	0	0	0	1	1	1	1	1	1	1	21
18	MLLW Leachate	Dependent on alternative chosen												

(a) To obtain cubic yards, multiply by 1.308.
(b) Rounded to the nearest cubic meter in this table for calculational convenience; significant figures are not meant to indicate the accuracy of the numbers.

Table B.11. Transuranic Waste Hanford Only Volumes (m^3)[a, b]

Stream Number	Stream Name	Inventory/ Disposed	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012-2046	Total
4	Waste from Trenches	14,552	0	0	0	0	0	0	0	0	0	0	0	14,552
5	Waste from Caissons	23	0	0	0	0	0	0	0	0	0	0	0	23
8	Commingled PCB Waste	80	15	0	0	0	0	0	0	0	0	0	0	95
9	CH Standard Containers	849	414	424	587	486	752	896	1,519	1,518	1,503	1,438	17,334	27,719
10A	CH Non-Standard Containers	585	0	0	0	0	0	0	0	0	0	0	492	1,077
10B	RH Waste	46	250	130	130	131	130	64	72	72	180	158	794	2,157
17	K Basins Sludge	0	0	64	70	6	0	0	0	0	0	0	0	139

(a) To obtain cubic yards, multiply by 1.308.
(b) Rounded to nearest cubic meter in this table for calculational convenience; significant figures are not meant to indicate the accuracy of the numbers.

Table B.12. Transuranic Waste Lower Bound Volumes (m^3)[a, b]

Stream Number	Stream Name	Inventory/ Disposed	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012-2046	Total
4	Waste from Trenches	14,552	0	0	0	0	0	0	0	0	0	0	0	14,552
5	Waste from Caissons	23	0	0	0	0	0	0	0	0	0	0	0	23
8	Commingled PCB Waste	80	15	0	0	0	0	0	0	0	0	0	0	95
9	CH Standard Containers	849	418	428	587	486	752	896	1,519	1,518	1,503	1,438	17,334	27,727
10A	CH Non-Standard Containers	585	0	0	0	0	0	0	0	0	0	0	492	1,077
10B	RH Waste	46	270	144	130	131	130	64	72	72	180	158	794	2,191
17	K Basins Sludge	0	0	64	70	6	0	0	0	0	0	0	0	139

(a) To obtain cubic yards, multiply by 1.308.
(b) Rounded to nearest cubic meter in this table for calculational convenience; significant figures are not meant to indicate the accuracy of the numbers.

Table B.13. Transuranic Waste Upper Bound Volumes (m^3)[a, b]

Stream Number	Stream Name	Inventory/ Disposed	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012-2046	Total
4	Waste from Trenches	14,552	0	0	0	0	0	0	0	0	0	0	0	14,552
5	Waste from Caissons	23	0	0	0	0	0	0	0	0	0	0	0	23
8	Commingled PCB Waste	80	15	0	0	0	0	0	0	0	0	0	0	95
9	CH Standard Containers	849	418	428	821	720	986	1,130	1,753	1,518	1,503	1,438	17,334	28,897
10A	CH Non-Standard Containers	585	0	0	56	56	56	56	56	0	0	0	492	1,357
10B	RH Waste	46	270	144	140	141	140	74	82	72	180	158	794	2,241
17	K Basins Sludge	0	0	64	70	6	0	0	0	0	0	0	0	139

(a) To obtain cubic yards, multiply by 1.308.
(b) Rounded to nearest cubic meter in this table for calculational convenience; significant figures are not meant to indicate the accuracy of the numbers.

Table B.14. Waste Treatment Plant Waste Volumes (m^3)[a, b]

Stream Number	Stream Name	Inventory/ Disposed	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012-2046	Total
21	ILAW Packages	0	0	0	0	0	0	0	1,673	3,345	3,345	3,345	199,292	211,000
22	WTP Melters	0	0	0	0	0	0	0	0	175	350	350	5,950	6,825

(a) To obtain cubic yards, multiply by 1.308.
(b) Rounded to nearest cubic meter in this table for calculational convenience; significant figures are not meant to indicate the accuracy of the numbers.