

APPENDIX A
Waste Container Inventory Calculations

Table A-1, Summary of Final Waste Forms to be Disposed at the Waste Isolation Pilot Plant

Query of TWBIR, 20 June 1996					Totals for all Stored TRU Waste Final Waste Forms				Distribution of Radionuclide Concentrations of Stored TRU Waste *PE-Ci concentrations are waste stream averaged						
Reported Total Volume of TRU/MTRU Waste Summarized by Final Waste Form					See Table A-2 for Individual Waste Stream Data				Overall Average PE-Ci /Drum	Not to be Processed/Repackaged Before WIPP Disposal			To be Processed/Repackaged Before WIPP Disposal		
Final Waste Form Consolidated by Generator Site	Stored Volume, m ³	Projected Volume, m ³	Anticipated Inventory, m ³	Scaled Volume, m ³	Equivalent ¹ Number 55 Gal Drums	Percent of Total Volume	Total PE-Ci	Percent of Total PE-Ci		PE-Ci* < 8	8 < PE-Ci* < 20	20 < PE-Ci*	PE-Ci* < 8	8 < PE-Ci* < 20	20 < PE-Ci*
Combustible	5,775	4,530	10,304	35,309	27,763	9.9%	52,857	4.3%	1.9	14.6%	0.5%	0.1%	83.0%	1.9%	0.0%
IN	3,305	0	3,305	3,305	15,889	5.6%	13,634	1.1%	0.9	2.7%	0.7%		94.0%	2.6%	
LA	1,821	2,376	4,198	17,315	8,757	3.1%	34,025	2.8%	3.9	16.3%			83.7%		
MD	7	0	7	7	34	0.0%	377	0.0%	11.1	55.9%	23.5%	20.6%	0.0%	0.0%	0.0%
RF	186	906	1,092	6,094	892	0.3%	3,765	0.3%	4.2	47.5%	0.0%	1.1%	39.0%	12.3%	0.0%
RL	456	1,247	1,703	8,588	2,191	0.8%	1,055	0.1%	0.5	79.6%			20.4%		
Filter	218	556	774	3,845	1,048	0.4%	7,217	0.6%	6.9	60.5%	31.4%	1.2%	6.6%	0.0%	0.3%
IN	131	0	131	131	630	0.2%	3,355	0.3%	5.3	97.2%		2.0%	0.3%		0.5%
LL	16	32	48	226	75	0.0%	47	0.0%	0.6	10.4%			89.6%		
MD	1	0	1	1	4	0.0%	1	0.0%	0.1	100.0%			0.0%		
RF	71	524	595	3,487	340	0.1%	3,815	0.3%	11.2	2.9%	97.1%		0.0%	0.0%	
Graphite	512	47	559	817	2,461	0.9%	3,668	0.3%	1.5	22.3%	2.7%		75.0%	0.0%	
IN	498	0	498	498	2,395	0.9%	3,016	0.2%	1.3	22.8%			77.0%	0.0%	
RF	14	47	61	319	66	0.0%	652	0.1%	9.9	4.5%	95.5%		0.0%	0.0%	
Heterogeneous	23,016	4,009	27,025	49,157	110,655	39.3%	440,870	36.2%	4.0	5.7%	0.0%	0.0%	82.8%	5.7%	5.8%
IN	7,079	0	7,079	7,079	34,034	12.1%	13,678	1.1%	0.4	14.5%		0.0%	85.5%		0.0%
LA	16	29	45	206	77	0.0%	80	0.0%	1.0	6.0%			94.0%		
LL	199	664	863	4,527	956	0.3%	216	0.0%	0.2	29.7%			70.3%		
MD	1	0	1	1	3	0.0%	12	0.0%	3.9	100.0%			0.0%		
NT	613	9	622	672	2,948	1.0%	3,150	0.3%	1.1	0.0%			100.0%		
OR	1,304	256	1,560	2,975	6,270	2.2%	5,078	0.4%	0.8	16.3%		0.0%	83.3%		0.4%
RF	2	0	2	2	9	0.0%	17	0.0%	1.9	100.0%			0.0%		
RL	11,191	0	11,191	11,191	53,802	19.1%	101,855	8.4%	1.9	0.1%		0.0%	99.7%		0.3%
SR	2,584	3,051	5,635	22,477	12,423	4.4%	211,932	17.4%	17.1	0.0%	0.3%	0.0%	0.0%	50.5%	49.2%
SR-OFF SITE	28	0	28	28	133	0.0%	104,853	8.6%	788.4			0.0%			100.0%
Inorganic Non-Metal	2,928	420	3,348	5,665	14,079	5.0%	49,762	4.1%	3.5	7.9%	0.3%	0.0%	80.6%	8.8%	2.3%
IN	2,836	0	2,836	2,836	13,634	4.8%	48,828	4.0%	3.6	5.0%	0.3%	0.0%	83.2%	9.1%	2.3%
RF	58	351	409	2,344	278	0.1%	832	0.1%	3.0	98.9%			1.1%		
RL	35	69	104	485	167	0.1%	103	0.0%	0.6	99.4%	0.6%		0.0%	0.0%	
Lead/Cadmium Metal	24	343	367	2,259	114	0.0%	85	0.0%	0.7	72.7%			27.3%		
LA	2	0	2	2	9	0.0%	0	0.0%	0.0	0.0%			100.0%		
RF	4	308	312	2,014	19	0.0%	29	0.0%	1.5	94.7%			5.3%		
RL	18	35	52	243	86	0.0%	56	0.0%	0.6	75.6%			24.4%		
Salt Waste	21	3	24	41	102	0.0%	1,712	0.1%	16.8	16.5%	8.4%	8.1%	23.6%	17.7%	25.6%
IN	21	0	21	21	99	0.0%	1,709	0.1%	17.3	14.0%	8.7%	8.4%	24.3%	18.3%	26.4%
LL	1	3	4	20	3	0.0%	3	0.0%	0.8	100.0%			0.0%		

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Query of TWBIR, 20 June 1996					Totals for all Stored TRU Waste Final Waste Forms				Distribution of Radionuclide Concentrations of Stored TRU Waste *PE-Ci concentrations are waste stream averaged						
Reported Total Volume of TRU/MTRU Waste Summarized by Final Waste Form					See Table A-2 for Individual Waste Stream Data				Overall Average PE-Ci /Drum	Not to be Processed/Repackaged Before WIPP Disposal			To be Processed/Repackaged Before WIPP Disposal		
Final Waste Form Consolidated by Generator Site	Stored Volume, m ³	Projected Volume, m ³	Anticipated Inventory, m ³	Scaled Volume, m ³	Equivalent ¹ Number 55 Gal Drums	Percent of Total Volume	Total PE-Ci	Percent of Total PE-Ci		PE-Ci* < 8	8 < PE-Ci* < 20	20 < PE-Ci*	PE-Ci* < 8	8 < PE-Ci* < 20	20 < PE-Ci*
Soils	407	55	462	767	1,958	0.7%	5,192	0.4%	2.7	4.9%	0.0%		70.7%	24.5%	
LA	111	29	140	300	532	0.2%	181	0.0%	0.3	0.0%			100.0%		
MD	177	0	177	177	852	0.3%	25	0.0%	0.0	0.0%			100.0%		
RL	119	26	145	289	574	0.2%	4,986	0.4%	8.7	16.6%	0.0%		0.0%	83.4%	
Solidified Inorganics	9,635	2,906	12,541	28,584	46,321	16.5%	183,911	15.1%	4.0	33.7%	0.1%	0.0%	64.1%	1.7%	0.4%
IN	4,342	0	4,342	4,342	20,875	7.4%	73,621	6.0%	3.5	40.1%	0.1%	0.0%	59.7%	0.0%	0.1%
LA	4,888	2,034	6,922	18,149	23,501	8.4%	16,970	1.4%	0.7	27.1%	0.0%		72.8%	0.1%	
LL	14	6	20	52	69	0.0%	26	0.0%	0.4	100.0%			0.0%		
MD	6	0	6	6	29	0.0%	8	0.0%	0.3	69.0%			31.0%		
NT	6	0	6	6	27	0.0%	40	0.0%	1.5	0.0%			100.0%		
RF	165	132	297	1,024	795	0.3%	4,958	0.4%	6.2	94.6%	5.4%		0.0%	0.0%	
RL	13	7	20	59	62	0.0%	59	0.0%	0.9	27.0%			73.0%		
SR	168	728	896	4,913	807	0.3%	9,783	0.8%	12.1		0.0%	0.0%		97.0%	3.0%
SR-OFF SITE	32	0	32	32	156	0.1%	78,447	6.4%	504.1			0.0%			100.0%
Solidified Organics	913	55	968	1,272	4,388	1.6%	3,131	0.3%	0.7	24.4%	0.1%		75.5%	0.0%	
IN	790	0	790	790	3,796	1.3%	1,537	0.1%	0.4	12.6%	0.2%		87.2%	0.0%	
LA	1	29	31	191	7	0.0%	4	0.0%	0.6	100.0%			0.0%		
LL	1	6	7	39	5	0.0%	2	0.0%	0.3	100.0%			0.0%		
RF	110	0	110	110	528	0.2%	1,562	0.1%	3.0	100.0%			0.0%		
RL	11	20	31	142	51	0.0%	26	0.0%	0.5	100.0%			0.0%		
Uncategorized Metal	10,836	3,879	14,716	36,131	52,098	18.5%	100,776	8.3%	1.9	6.2%	0.2%	0.1%	90.1%	2.7%	0.7%
IN	5,865	0	5,865	5,865	28,195	10.0%	38,110	3.1%	1.4	5.1%	0.1%	0.2%	93.0%	1.0%	0.6%
LA	4,214	2,854	7,068	22,822	20,262	7.2%	53,018	4.3%	2.6	3.1%	0.1%		91.8%	5.0%	
MD	82	0	82	82	397	0.1%	201	0.0%	0.5	6.3%			93.7%		
RF	93	250	344	1,726	449	0.2%	2,258	0.2%	5.0	93.5%	4.9%	1.6%	0.0%	0.0%	0.0%
RL	511	658	1,170	4,804	2,458	0.9%	1,008	0.1%	0.4	28.3%			71.7%		
SR	70	117	187	832	338	0.1%	6,180	0.5%	18.3		0.0%	0.0%		35.5%	64.5%
Unknown	66	62	128	471	317	0.1%	3,567	0.3%	11.3	38.3%		2.5%	34.9%		24.3%
MD	27	0	27	27	129	0.0%	797	0.1%	6.2	15.1%			84.9%		
OR	18	0	18	18	85	0.0%	2,727	0.2%	32.1			9.4%			90.6%
RL	21	62	84	427	103	0.0%	42	0.0%	0.4	99.1%			0.9%		
Various RF Residues	4,182	0	4,182	4,182	20,105	7.1%	366,439	30.1%	18.2		0.0%			100.0%	
RF	4,182	0	4,182	4,182	20,105	7.1%	366,439	30.1%	18.2		0.0%			100.0%	
TOTAL	58,533	16,865	75,398	168,500	281,410	100.0%	1,219,187	100.0%	4.3	11.7%	0.3%	0.0%	74.4%	11.0%	2.6%
Percent of Anticipated Inventory	78%	22%	100%												

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Percent of Scaled Volume	35%	10%	45%	100%											

Table A-2, Generator Waste Stream Totals Sorted by Final Waste Form and Average PE-Ci/Drum																				
Source: TWBIR Database Query, 20 June 96					Total of All Stored Drums					Stored Not to be Processed					Stored To be Processed					
Final Waste Form	SITE	TWBIR_ID	% to be Processed	Stored m3	Av. PE-Ci / Drum	Equiv. Stored Drums	Total Pe-Ci	Cum. Equiv. Drums	Drum Percentile	Cum. PE-Ci	Total Equiv. Drums	Total Pe-Ci	Cum. Equiv. Drums	Drum Percentile	Cum. PE-Ci	Total Equiv. Drums	Total Pe-Ci	Cum. Equiv. Drums	Drum Percentile	Cum. PE-Ci
Combustible	MD	MD-W017	0%	1.46	31.7	7	222	7	0.0%	222	7	222	7	0.2%	222	0	0	0	0.0%	0
Combustible	RF	RF-MT2116	0%	2.08	25.9	10	259	17	0.1%	480	10	259	17	0.4%	480	0	0	0	0.0%	0
Combustible	IN	IN-W305.828	0%	10.68	18.2	51	936	68	0.2%	1,416	51	936	68	1.6%	1,416	0	0	0	0.0%	0
Combustible	IN	IN-W305.1068	100%	37.44	18.2	180	3281	248	0.9%	4,697	0	0	68	1.6%	1,416	180	3281	180	0.8%	3,281
Combustible	IN	IN-W256.1062	100%	20.59	17.9	99	1777	347	1.3%	6,474	0	0	68	1.6%	1,416	99	1777	279	1.2%	5,057
Combustible	IN	IN-W256.295	0% *	5.99	17.9	29	517	376	1.4%	6,991	29	517	97	2.3%	1,934	0	0	279	1.2%	5,057
Combustible	IN	IN-W269.535	100%	20.80	14.9	100	1488	476	1.7%	8,479	0	0	97	2.3%	1,934	100	1488	379	1.6%	6,546
Combustible	IN	IN-W269.510	0%	5.99	14.9	29	429	505	1.8%	8,908	29	429	126	3.0%	2,362	0	0	379	1.6%	6,546
Combustible	MD	MD-W003	0%	1.66	11.5	8	92	513	1.8%	9,000	8	92	134	3.2%	2,455	0	0	379	1.6%	6,546
Combustible	IN	IN-W330.678	0%	1.93	11.5	9	107	522	1.9%	9,107	9	107	143	3.4%	2,561	0	0	379	1.6%	6,546
Combustible	IN	IN-W330.677	100%	6.03	11.5	29	334	551	2.0%	9,441	0	0	143	3.4%	2,561	29	334	408	1.7%	6,879
Combustible	RF	RF-MT0339	100%	22.88	10.1	110	1109	661	2.4%	10,549	0	0	143	3.4%	2,561	110	1109	518	2.2%	7,988
Combustible	RF	RF-MT0821	0%	0.42	5.6	2	11	663	2.4%	10,561	2	11	145	3.5%	2,573	0	0	518	2.2%	7,988
Combustible	MD	MD-T009	0%	0.21	5.0	1	5	664	2.4%	10,566	1	5	146	3.5%	2,578	0	0	518	2.2%	7,988
Combustible	LA	LA-T004	98%	1,555.16	4.1	7477	30321	8,141	29.3%	40,887	150	610	297	7.1%	3,188	7326	29711	7,844	33.3%	37,699
Combustible	IN	IN-W327.1085	0%	3.54	4.0	17	68	8,158	29.4%	40,954	17	68	314	7.5%	3,255	0	0	7,844	33.3%	37,699
Combustible	IN	IN-W327.735	0%	1.30	4.0	6	25	8,164	29.4%	40,979	6	25	320	7.6%	3,280	0	0	7,844	33.3%	37,699
Combustible	RF	RF-TT0825	0%	21.63	3.5	104	364	8,268	29.8%	41,343	104	364	424	10.1%	3,644	0	0	7,844	33.3%	37,699
Combustible	RF	RF-TT0821	0%	12.48	3.5	60	209	8,328	30.0%	41,552	60	209	484	11.5%	3,853	0	0	7,844	33.3%	37,699
Combustible	RL	RL-W300	0%	0.42	3.4	2	7	8,330	30.0%	41,559	2	7	486	11.6%	3,860	0	0	7,844	33.3%	37,699
Combustible	MD	MD-T008	0%	3.74	3.2	18	58	8,348	30.1%	41,617	18	58	504	12.0%	3,918	0	0	7,844	33.3%	37,699
Combustible	RF	RF-MT0832	100%	72.38	3.0	348	1042	8,696	31.3%	42,659	0	0	504	12.0%	3,918	348	1042	8,192	34.8%	38,741
Combustible	RF	RF-MT0831	0%	44.93	3.0	216	646	8,912	32.1%	43,305	216	646	720	17.2%	4,564	0	0	8,192	34.8%	38,741
Combustible	RF	RF-MT0833	0%	8.74	3.0	42	125	8,954	32.3%	43,431	42	125	762	18.2%	4,690	0	0	8,192	34.8%	38,741
Combustible	LA	LA-W004	0%	266.29	2.9	1280	3704	10,235	36.9%	47,135	1280	3704	2,042	48.7%	8,394	0	0	8,192	34.8%	38,741
Combustible	RL	RL-W296	0%	3.16	2.8	15	42	10,250	36.9%	47,177	15	42	2,057	49.1%	8,436	0	0	8,192	34.8%	38,741
Combustible	RL	RL-W289	0%	2.08	2.8	10	28	10,260	37.0%	47,204	10	28	2,067	49.3%	8,464	0	0	8,192	34.8%	38,741
Combustible	RL	RL-W293	0%	1.25	2.8	6	17	10,266	37.0%	47,221	6	17	2,073	49.4%	8,480	0	0	8,192	34.8%	38,741
Combustible	RL	RL-W298	32%	16.59	2.5	80	201	10,345	37.3%	47,422	55	137	2,128	50.7%	8,618	25	63	8,217	34.9%	38,804
Combustible	RL	RL-W398	0%	0.21	2.5	1	2	10,346	37.3%	47,424	1	2	2,129	50.8%	8,620	0	0	8,217	34.9%	38,804
Combustible	IN	IN-W252.283	100%	117.73	1.9	566	1082	10,912	39.3%	48,506	0	0	2,129	50.8%	8,620	566	1082	8,783	37.3%	39,886
Combustible	IN	IN-W252.811	0%	32.82	1.9	158	302	11,070	39.9%	48,808	158	302	2,287	54.5%	8,922	0	0	8,783	37.3%	39,886
Combustible	RL	RL-W401	0%	0.62	1.8	3	6	11,073	39.9%	48,813	3	6	2,290	54.6%	8,927	0	0	8,783	37.3%	39,886
Combustible	IN	IN-W250.941	100%	50.96	1.7	245	414	11,318	40.8%	49,228	0	0	2,290	54.6%	8,927	245	414	9,028	38.3%	40,300
Combustible	IN	IN-W250.259	0%	14.07	1.7	68	114	11,386	41.0%	49,342	68	114	2,357	56.2%	9,042	0	0	9,028	38.3%	40,300
Combustible	RL	RL-W397	0%	3.54	1.5	17	25	11,403	41.1%	49,367	17	25	2,374	56.6%	9,067	0	0	9,028	38.3%	40,300
Combustible	IN	IN-W254.290	100%	7.28	1.1	35	39	11,438	41.2%	49,406	0	0	2,374	56.6%	9,067	35	39	9,063	38.5%	40,339
Combustible	IN	IN-W254.289	0%	2.34	1.1	11	12	11,449	41.2%	49,418	11	12	2,386	56.9%	9,080	0	0	9,063	38.5%	40,339
Combustible	RL	RL-W389	0%	0.21	1.0	1	1	11,450	41.2%	49,419	1	1	2,387	56.9%	9,081	0	0	9,063	38.5%	40,339
Combustible	RL	RL-W356	0%	1.25	1.0	6	6	11,456	41.3%	49,425	6	6	2,393	57.1%	9,087	0	0	9,063	38.5%	40,339
Combustible	RL	RL-W372	0%	0.42	1.0	2	2	11,458	41.3%	49,427	2	2	2,395	57.1%	9,089	0	0	9,063	38.5%	40,339
Combustible	IN	IN-W199.1039	0%	0.89	0.9	4	4	11,462	41.3%	49,431	4	4	2,399	57.2%	9,093	0	0	9,063	38.5%	40,339
Combustible	RL	RL-W347	0%	0.21	0.9	1	1	11,463	41.3%	49,432	1	1	2,400	57.2%	9,094	0	0	9,063	38.5%	40,339
Combustible	RL	RL-W388	57%	16.73	0.9	80	74	11,544	41.6%	49,506	35	32	2,435	58.1%	9,125	46	42	9,109	38.6%	40,381
Combustible	RL	RL-W404	0%	2.08	0.9	10	9	11,554	41.6%	49,515	10	9	2,445	58.3%	9,134	0	0	9,109	38.6%	40,381
Combustible	RL	RL-W384	0%	0.62	0.8	3	2	11,557	41.6%	49,517	3	2	2,448	58.4%	9,137	0	0	9,109	38.6%	40,381
Combustible	IN	IN-W198.202	100%	119.60	0.6	575	346	12,132	43.7%	49,863	0	0	2,448	58.4%	9,137	575	346	9,684	41.1%	40,727

Table A-2, Generator Waste Stream Totals Sorted by Final Waste Form and Average PE-Ci/Drum																				
Source: TWBIR Database Query, 20 June 96					Total of All Stored Drums					Stored Not to be Processed					Stored To be Processed					
Final Waste Form	SITE	TWBIR_ID	% to be Processed	Stored m3	Av. PE-Ci / Drum	Equip. Stored Drums	Total Pe-Ci	Cum. Equip. Drums	Drum Percentile	Cum. PE-Ci	Total Equip. Drums	Total Pe-Ci	Cum. Equip. Drums	Drum Percentile	Cum. PE-Ci	Total Equip. Drums	Total Pe-Ci	Cum. Equip. Drums	Drum Percentile	Cum. PE-Ci
Combustible	IN	IN-W198.804	0%	32.82	0.6	158	95	12,290	44.3%	49,958	158	95	2,606	62.1%	9,232	0	0	9,684	41.1%	40,727
Combustible	RL	RL-W365	0%	11.86	0.6	57	34	12,347	44.5%	49,992	57	34	2,663	63.5%	9,265	0	0	9,684	41.1%	40,727
Combustible	RL	RL-W371	58%	6.07	0.6	29	16	12,376	44.6%	50,008	12	7	2,675	63.8%	9,272	17	9	9,701	41.2%	40,736
Combustible	RL	RL-W309	0%	0.21	0.5	1	0	12,377	44.6%	50,009	1	0	2,676	63.8%	9,273	0	0	9,701	41.2%	40,736
Combustible	RL	RL-W321	0%	0.21	0.5	1	0	12,378	44.6%	50,009	1	0	2,677	63.8%	9,273	0	0	9,701	41.2%	40,736
Combustible	RL	RL-W378	89%	16.78	0.3	81	28	12,459	44.9%	50,037	9	3	2,685	64.0%	9,276	72	25	9,773	41.5%	40,761
Combustible	RL	RL-W377	3%	303.79	0.3	1461	492	13,919	50.1%	50,529	1410	475	4,095	97.6%	9,751	51	17	9,824	41.7%	40,778
Combustible	RL	RL-W331	93%	50.79	0.2	244	52	14,163	51.0%	50,581	17	4	4,112	98.1%	9,754	227	49	10,051	42.6%	40,827
Combustible	RL	RL-W322	0%	0.83	0.2	4	1	14,167	51.0%	50,582	4	1	4,116	98.1%	9,755	0	0	10,051	42.6%	40,827
Combustible	RL	RL-W325	0%	0.42	0.2	2	0	14,169	51.0%	50,582	2	0	4,118	98.2%	9,756	0	0	10,051	42.6%	40,827
Combustible	RL	RL-W314	0%	4.58	0.2	22	5	14,191	51.1%	50,587	22	5	4,140	98.7%	9,760	0	0	10,051	42.6%	40,827
Combustible	RL	RL-W305	0%	2.08	0.2	10	2	14,201	51.2%	50,589	10	2	4,150	99.0%	9,762	0	0	10,051	42.6%	40,827
Combustible	IN	IN-W186.187	100%	2,695.26	0.2	12958	2232	27,159	97.8%	52,821	0	0	4,150	99.0%	9,762	12958	2232	23,009	97.6%	43,059
Combustible	RL	RL-W340	0%	0.21	0.1	1	0	27,160	97.8%	52,821	1	0	4,151	99.0%	9,762	0	0	23,009	97.6%	43,059
Combustible	RL	RL-W343	0%	0.62	0.1	3	0	27,163	97.8%	52,821	3	0	4,154	99.1%	9,763	0	0	23,009	97.6%	43,059
Combustible	RL	RL-W368	0%	0.62	0.1	3	0	27,166	97.9%	52,821	3	0	4,157	99.1%	9,763	0	0	23,009	97.6%	43,059
Combustible	IN	IN-W202.224	100%	109.62	0.1	527	33	27,693	99.7%	52,854	0	0	4,157	99.1%	9,763	527	33	23,536	99.9%	43,091
Combustible	IN	IN-W202.1092	0%	0.89	0.1	4	0	27,697	99.8%	52,854	4	0	4,161	99.2%	9,763	0	0	23,536	99.9%	43,091
Combustible	RL	RL-W360	0%	4.78	0.1	23	1	27,720	99.8%	52,856	23	1	4,184	99.8%	9,764	0	0	23,536	99.9%	43,091
Combustible	IN	IN-W336.820	0%	0.68	0.0	3	0	27,724	99.9%	52,856	3	0	4,187	99.9%	9,764	0	0	23,536	99.9%	43,091
Combustible	IN	IN-W336.660	100%	4.16	0.0	20	1	27,744	99.9%	52,856	0	0	4,187	99.9%	9,764	20	1	23,556	99.9%	43,092
Combustible	IN	IN-W205.1086	100%	0.83	0.0	4	0	27,748	99.9%	52,856	0	0	4,187	99.9%	9,764	4	0	23,560	100.0%	43,092
Combustible	IN	IN-W205.220	0%	0.68	0.0	3	0	27,751	100.0%	52,857	3	0	4,191	99.9%	9,765	0	0	23,560	100.0%	43,092
Combustible	RL	RL-W335	92%	2.10	0.0	10	0	27,761	100.0%	52,857	1	0	4,192	100.0%	9,765	9	0	23,570	100.0%	43,092
Combustible	RL	RL-W278	0%	0.42	0.0	2	0	27,763	100.0%	52,857	2	0	4,194	100.0%	9,765	0	0	23,570	100.0%	43,092
Final Waste Form Average PE-Ci/drum					1.9 PE-Ci/drum					2.3 PE-Ci/drum					1.8 PE-Ci/drum					
Filter	IN	IN-W214.1075	100%	0.62	138.0	3	414	3	0.3%	414	0	0	0	0.0%	0	3	414	3	4.2%	414
Filter	IN	IN-W214.755	0%	0.68	138.0	3	452	6	0.6%	866	3	452	3	0.3%	452	0	0	3	4.2%	414
Filter	IN	IN-W213.1069	0%	1.93	99.3	9	921	16	1.5%	1,787	9	921	13	1.3%	1,373	0	0	3	4.2%	414
Filter	RF	RF-TT0491	0%	16.02	18.9	77	1456	93	8.8%	3,243	77	1456	90	9.2%	2,829	0	0	3	4.2%	414
Filter	RF	RF-TT0376	0%	8.94	9.9	43	425	136	12.9%	3,668	43	425	133	13.6%	3,254	0	0	3	4.2%	414
Filter	RF	RF-TT0490	0%	22.17	9.4	107	999	242	23.1%	4,667	107	999	239	24.5%	4,253	0	0	3	4.2%	414
Filter	RF	RF-TT0335	0%	19.34	8.6	93	803	335	32.0%	5,471	93	803	332	34.0%	5,057	0	0	3	4.2%	414
Filter	RF	RF-TT0338	0%	2.08	8.6	10	86	345	32.9%	5,557	10	86	342	35.0%	5,143	0	0	3	4.2%	414
Filter	RF	RF-MT-0491	0%	0.62	4.5	3	13	348	33.2%	5,571	3	13	345	35.4%	5,156	0	0	3	4.2%	414
Filter	RF	RF-MT-0335	0%	1.46	4.5	7	31	355	33.9%	5,602	7	31	352	36.1%	5,188	0	0	3	4.2%	414
Filter	IN	IN-W207.980	0%	0.89	3.6	4	16	359	34.3%	5,617	4	16	356	36.5%	5,203	0	0	3	4.2%	414
Filter	IN	IN-W207.981	100%	0.42	3.6	2	7	361	34.5%	5,625	0	0	356	36.5%	5,203	2	7	5	6.9%	421
Filter	IN	IN-W211.1009	0%	98.47	3.0	473	1429	835	79.6%	7,054	473	1429	830	85.0%	6,632	0	0	5	6.9%	421
Filter	IN	IN-W209.994	0%	10.27	1.6	49	81	884	84.3%	7,134	49	81	879	90.0%	6,713	0	0	5	6.9%	421
Filter	IN	IN-W208.988	0%	2.34	0.9	11	10	895	85.4%	7,145	11	10	890	91.2%	6,723	0	0	5	6.9%	421
Filter	LL	LL-T005	90%	15.54	0.6	75	47	970	92.5%	7,191	8	5	898	92.0%	6,728	67	42	72	100.0%	463
Filter	IN	IN-W210.1001	0%	1.10	0.6	5	3	975	93.0%	7,194	5	3	903	92.5%	6,731	0	0	72	100.0%	463
Filter	IN	IN-W206.935	0%	10.89	0.4	52	20	1,028	98.0%	7,215	52	20	956	97.9%	6,752	0	0	72	100.0%	463
Filter	MD	MD-M001	0%	0.42	0.2	2	0	1,030	98.2%	7,215	2	0	958	98.1%	6,752	0	0	72	100.0%	463

Table A-2, Generator Waste Stream Totals Sorted by Final Waste Form and Average PE-Ci/Drum																				
Source: TWBIR Database Query, 20 June 96						Total of All Stored Drums					Stored Not to be Processed					Stored To be Processed				
Final Waste Form	SITE	TWBIR_ID	% to be Processed	Stored m3	Av. PE-Ci / Drum	Equip. Stored Drums	Total Pe-Ci	Cum. Equip. Drums	Drum Percentile	Cum. PE-Ci	Total Equip. Drums	Total Pe-Ci	Cum. Equip. Drums	Drum Percentile	Cum. PE-Ci	Total Equip. Drums	Total Pe-Ci	Cum. Equip. Drums	Drum Percentile	Cum. PE-Ci
Filter	IN	IN-W212.1058	0%	3.44	0.1	17	2	1,046	99.8%	7,217	17	2	974	99.8%	6,754	0	0	72	100.0%	463
Filter	MD	MD-T010	0%	0.42	0.1	2	0	1,048	100.0%	7,217	2	0	976	100.0%	6,754	0	0	72	100.0%	463
Final Waste Form Average PE-Ci/drum						6.9 PE-Ci/drum					6.9 PE-Ci/drum					6.4 PE-Ci/drum				
Graphite	RF	RF-TT0303	0%	0.21	16.7	1	17	1	0.0%	17	1	17	1	0.2%	17	0	0	0	0.0%	0
Graphite	IN	IN-W271.532	0%	0.89	10.1	4	43	5	0.2%	60	4	43	5	0.9%	60	0	0	0	0.0%	0
Graphite	RF	RF-TT0300	0%	12.90	9.9	62	614	67	2.7%	674	62	614	67	10.9%	674	0	0	0	0.0%	0
Graphite	RF	RF-TT0312	0%	0.62	7.1	3	21	70	2.9%	695	3	21	70	11.4%	695	0	0	0	0.0%	0
Graphite	IN	IN-W272.504	0%	0.89	6.1	4	26	75	3.0%	721	4	26	75	12.1%	721	0	0	0	0.0%	0
Graphite	IN	IN-W272.974	100%	1.66	6.1	8	49	83	3.4%	770	0	0	75	12.1%	721	8	49	8	0.4%	49
Graphite	IN	IN-W367.973	0%	4.69	3.8	23	86	105	4.3%	855	23	86	97	15.8%	807	0	0	8	0.4%	49
Graphite	IN	IN-W370.929	100%	53.46	2.1	257	549	362	14.7%	1,405	0	0	97	15.8%	807	257	549	265	14.4%	598
Graphite	IN	IN-W370.836	0%	15.16	2.1	73	156	435	17.7%	1,560	73	156	170	27.6%	962	0	0	265	14.4%	598
Graphite	IN	IN-W369.970	100%	9.98	1.8	48	85	483	19.6%	1,646	0	0	170	27.6%	962	48	85	313	17.0%	684
Graphite	IN	IN-W369.837	0%	3.23	1.8	16	28	499	20.3%	1,674	16	28	186	30.1%	990	0	0	313	17.0%	684
Graphite	IN	IN-W275.502	0%	1.72	1.2	8	10	507	20.6%	1,684	8	10	194	31.5%	1,000	0	0	313	17.0%	684
Graphite	IN	IN-W275.967	100%	5.20	1.2	25	30	532	21.6%	1,714	0	0	194	31.5%	1,000	25	30	338	18.3%	714
Graphite	IN	IN-W276.966	100%	313.46	1.0	1507	1526	2,039	82.8%	3,240	0	0	194	31.5%	1,000	1507	1526	1,845	100.0%	2,240
Graphite	IN	IN-W276.500	0%	86.75	1.0	417	422	2,456	99.8%	3,663	417	422	611	99.1%	1,422	0	0	1,845	100.0%	2,240
Graphite	IN	IN-W368.971	0%	1.10	1.0	5	5	2,461	100.0%	3,668	5	5	616	100.0%	1,428	0	0	1,845	100.0%	2,240
Final Waste Form Average PE-Ci/drum						1.5 PE-Ci/drum					2.3 PE-Ci/drum					1.2 PE-Ci/drum				
Heterogeneous	OFF S	W027-999-HET	100%	27.66	788.4	133	104853	133	0.1%	104,853	0	0	0	0.0%	0	133	104853	133	0.1%	104,853
Heterogeneous	IN	IN-W350.650	0%	0.68	43.7	3	143	136	0.1%	104,996	3	143	3	0.1%	143	0	0	133	0.1%	104,853
Heterogeneous	IN	IN-W350.923	100%	0.21	43.7	1	44	137	0.1%	105,040	0	0	3	0.1%	143	1	44	134	0.1%	104,897
Heterogeneous	OR	OR-W045	100%	5.41	26.5	26	688	163	0.1%	105,729	0	0	3	0.1%	143	26	688	160	0.2%	105,585
Heterogeneous	IN	IN-W329.681	0%	0.89	21.8	4	93	168	0.2%	105,822	4	93	8	0.1%	236	0	0	160	0.2%	105,585
Heterogeneous	SR	W027-772F-HET	100%	515.42	21.5	2478	53230	2,646	2.4%	159,052	0	0	8	0.1%	236	2478	53230	2,638	2.5%	158,816
Heterogeneous	SR	W027-773A-HET	100%	331.14	21.5	1592	34198	4,238	3.8%	193,250	0	0	8	0.1%	236	1592	34198	4,230	4.1%	193,014
Heterogeneous	SR	W027-221H-HET	100%	125.42	21.5	603	12953	4,841	4.4%	206,203	0	0	8	0.1%	236	603	12953	4,833	4.6%	205,967
Heterogeneous	SR	W027-235F-HET	100%	34.74	21.5	167	3587	5,008	4.5%	209,790	0	0	8	0.1%	236	167	3587	5,000	4.8%	209,554
Heterogeneous	SR	W027-221F-HET	100%	265.62	21.5	1277	27431	6,285	5.7%	237,222	0	0	8	0.1%	236	1277	27431	6,277	6.0%	236,985
Heterogeneous	RL	RL-T132	100%	28.70	21.0	138	2900	6,423	5.8%	240,121	0	0	8	0.1%	236	138	2900	6,415	6.2%	239,885
Heterogeneous	SR	T001-772F-HET	75%	29.08	14.7	140	2048	6,562	5.9%	242,170	35	513	43	0.7%	749	105	1536	6,520	6.3%	241,421
Heterogeneous	SR	T001-235F-HET	100%	162.97	13.0	784	10208	7,346	6.6%	252,378	0	0	43	0.7%	749	784	10208	7,303	7.0%	251,629
Heterogeneous	SR	T001-221F-HET	100%	938.70	12.8	4513	57689	11,859	10.7%	310,067	0	0	43	0.7%	749	4513	57689	11,816	11.3%	309,318
Heterogeneous	SR	T001-221H-HET	100%	158.14	12.2	760	9299	12,619	11.4%	319,366	0	0	43	0.7%	749	760	9299	12,577	12.1%	318,617
Heterogeneous	SR	T001-773A-HET	100%	22.09	12.1	106	1287	12,725	11.5%	320,653	0	0	43	0.7%	749	106	1287	12,677	12.2%	319,904
Heterogeneous	RL	RL-W301	0%	0.62	6.0	3	18	12,728	11.5%	320,671	3	18	46	0.7%	767	0	0	12,683	12.2%	319,904
Heterogeneous	IN	IN-W325.679	0%	0.68	5.8	3	19	12,732	11.5%	320,690	3	19	49	0.8%	786	0	0	12,683	12.2%	319,904
Heterogeneous	IN	IN-W325.1076	100%	0.42	5.8	2	12	12,734	11.5%	320,701	0	0	49	0.8%	786	2	12	12,685	12.2%	319,915
Heterogeneous	RL	RL-T123	100%	0.62	5.5	3	16	12,737	11.5%	320,718	0	0	49	0.8%	786	3	16	12,688	12.2%	319,932
Heterogeneous	IN	IN-W170.189	0%	0.68	5.1	3	17	12,740	11.5%	320,734	3	17	52	0.8%	803	0	0	12,688	12.2%	319,932
Heterogeneous	IN	IN-W170.938	100%	0.42	5.1	2	10	12,742	11.5%	320,745	0	0	52	0.8%	803	2	10	12,690	12.2%	319,942
Heterogeneous	MD	MD-T012	0%	0.62	3.9	3	12	12,745	11.5%	320,757	3	12	55	0.9%	814	0	0	12,690	12.2%	319,942
Heterogeneous	IN	IN-W204.215	0%	0.89	3.4	4	15	12,749	11.5%	320,771	4	15	59	0.9%	829	0	0	12,690	12.2%	319,942
Heterogeneous	IN	IN-W204.216	100%	1.66	3.4	8	27	12,757	11.5%	320,798	0	0	59	0.9%	829	8	27	12,698	12.2%	319,969

Table A-2, Generator Waste Stream Totals Sorted by Final Waste Form and Average PE-Ci/Drum																				
Source: TWBIR Database Query, 20 June 96					Total of All Stored Drums					Stored Not to be Processed					Stored To be Processed					
Final Waste Form	SITE	TWBIR_ID	% to be Processed	Stored m3	Av. PE-Ci / Drum	Equip. Stored Drums	Total Pe-Ci	Cum. Equip. Drums	Drum Percentile	Cum. PE-Ci	Total Equip. Drums	Total Pe-Ci	Cum. Equip. Drums	Drum Percentile	Cum. PE-Ci	Total Equip. Drums	Total Pe-Ci	Cum. Equip. Drums	Drum Percentile	Cum. PE-Ci
Heterogeneous	IN	IN-W298.812	0%	15.37	3.4	74	248	12,831	11.6%	321,046	74	248	133	2.1%	1,077	0	0	12,698	12.2%	319,969
Heterogeneous	RL	RL-T107	100%	6,156.09	3.0	29597	89263	42,428	38.3%	410,310	0	0	133	2.1%	1,077	29597	89263	42,294	40.6%	409,233
Heterogeneous	RL	RL-T116	100%	11.02	3.0	53	158	42,481	38.4%	410,468	0	0	133	2.1%	1,077	53	158	42,347	40.6%	409,391
Heterogeneous	RL	RL-W294	0%	1.04	2.8	5	14	42,486	38.4%	410,482	5	14	138	2.2%	1,091	0	0	42,347	40.6%	409,391
Heterogeneous	IN	IN-W281.487	100%	317.82	2.7	1528	4181	44,014	39.8%	414,664	0	0	138	2.2%	1,091	1528	4181	43,875	42.1%	413,573
Heterogeneous	RL	RL-T133	100%	0.21	2.4	1	2	44,015	39.8%	414,666	0	0	138	2.2%	1,091	1	2	43,876	42.1%	413,575
Heterogeneous	RL	RL-T137	100%	151.63	2.4	729	1760	44,744	40.4%	416,426	0	0	138	2.2%	1,091	729	1760	44,605	42.8%	415,336
Heterogeneous	LA	LA-T007	86%	6.66	2.2	32	69	44,776	40.5%	416,495	5	10	143	2.2%	1,101	27	59	44,633	42.8%	415,394
Heterogeneous	IN	IN-W339.655	0%	2.14	2.1	10	22	44,786	40.5%	416,517	10	22	153	2.4%	1,123	0	0	44,633	42.8%	415,394
Heterogeneous	IN	IN-W339.955	100%	7.07	2.1	34	72	44,820	40.5%	416,589	0	0	153	2.4%	1,123	34	72	44,667	42.8%	415,467
Heterogeneous	IN	IN-W345.669	100%	14.35	2.1	69	145	44,889	40.6%	416,734	0	0	153	2.4%	1,123	69	145	44,736	42.9%	415,611
Heterogeneous	IN	IN-W345.819	0%	0.89	2.1	4	9	44,893	40.6%	416,743	4	9	157	2.5%	1,132	0	0	44,736	42.9%	415,611
Heterogeneous	IN	IN-W283.534	0%	0.68	2.1	3	7	44,896	40.6%	416,749	3	7	161	2.5%	1,138	0	0	44,736	42.9%	415,611
Heterogeneous	IN	IN-W283.481	100%	0.21	2.1	1	2	44,897	40.6%	416,752	0	0	161	2.5%	1,138	1	2	44,737	42.9%	415,613
Heterogeneous	RL	RL-T127	100%	283.60	2.0	1363	2687	46,261	41.8%	419,438	0	0	161	2.5%	1,138	1363	2687	46,100	44.2%	418,300
Heterogeneous	RL	RL-W302	0%	0.42	1.9	2	4	46,263	41.8%	419,442	2	4	163	2.6%	1,142	0	0	46,100	44.2%	418,300
Heterogeneous	RF	RF-TT0374	0%	0.62	1.9	3	6	46,266	41.8%	419,448	3	6	166	2.6%	1,148	0	0	46,100	44.2%	418,300
Heterogeneous	RF	RF-MT0374	0%	1.25	1.9	6	11	46,272	41.8%	419,459	6	11	172	2.7%	1,159	0	0	46,100	44.2%	418,300
Heterogeneous	RL	RL-T128	100%	0.42	1.8	2	4	46,274	41.8%	419,463	0	0	172	2.7%	1,159	2	4	46,102	44.2%	418,304
Heterogeneous	IN	IN-W341.954	0%	0.68	1.8	3	6	46,277	41.8%	419,469	3	6	175	2.8%	1,165	0	0	46,102	44.2%	418,304
Heterogeneous	IN	IN-W341.671	100%	0.21	1.8	1	2	46,278	41.8%	419,471	0	0	175	2.8%	1,165	1	2	46,103	44.2%	418,305
Heterogeneous	LL	LL-M001	0%	5.41	1.5	26	38	46,304	41.8%	419,509	26	38	201	3.2%	1,203	0	0	46,103	44.2%	418,305
Heterogeneous	IN	IN-W351.648	0%	0.89	1.5	4	6	46,308	41.8%	419,515	4	6	205	3.2%	1,210	0	0	46,103	44.2%	418,305
Heterogeneous	IN	IN-W351.922	100%	1.25	1.5	6	9	46,314	41.9%	419,524	0	0	205	3.2%	1,210	6	9	46,109	44.2%	418,314
Heterogeneous	RL	RL-W303	0%	0.21	1.4	1	1	46,315	41.9%	419,525	1	1	206	3.2%	1,211	0	0	46,109	44.2%	418,314
Heterogeneous	IN	IN-W289.466	100%	25.38	1.2	122	151	46,437	42.0%	419,676	0	0	206	3.2%	1,211	122	151	46,231	44.3%	418,465
Heterogeneous	IN	IN-W171.184	100%	3.54	1.2	17	20	46,454	42.0%	419,697	0	0	206	3.2%	1,211	17	20	46,248	44.3%	418,486
Heterogeneous	IN	IN-W171.801	0%	0.68	1.2	3	4	46,458	42.0%	419,701	3	4	210	3.3%	1,215	0	0	46,248	44.3%	418,486
Heterogeneous	OR	OR-W053	90%	435.76	1.1	2095	2293	48,553	43.9%	421,993	202	221	411	6.5%	1,436	1893	2072	48,141	46.2%	420,557
Heterogeneous	NT	NT-W001	100%	613.26	1.1	2948	3150	51,501	46.5%	425,143	0	0	411	6.5%	1,436	2948	3150	51,090	49.0%	423,707
Heterogeneous	RL	RL-T140	100%	138.11	1.0	664	695	52,165	47.1%	425,838	0	0	411	6.5%	1,436	664	695	51,754	49.6%	424,402
Heterogeneous	RL	RL-T114	100%	19.58	1.0	94	97	52,259	47.2%	425,935	0	0	411	6.5%	1,436	94	97	51,848	49.7%	424,499
Heterogeneous	RL	RL-W379	0%	0.21	0.8	1	1	52,260	47.2%	425,935	1	1	412	6.5%	1,437	0	0	51,848	49.7%	424,499
Heterogeneous	RL	RL-T129	100%	28.75	0.8	138	110	52,398	47.4%	426,045	0	0	412	6.5%	1,437	138	110	51,986	49.8%	424,609
Heterogeneous	RL	RL-T112	100%	137.74	0.8	662	523	53,061	48.0%	426,568	0	0	412	6.5%	1,437	662	523	52,648	50.5%	425,131
Heterogeneous	OR	OR-W044	100%	522.91	0.6	2514	1605	55,575	50.2%	428,173	0	0	412	6.5%	1,437	2514	1605	55,162	52.9%	426,737
Heterogeneous	RL	RL-T110	100%	494.03	0.6	2375	1494	57,950	52.4%	429,667	0	0	412	6.5%	1,437	2375	1494	57,537	55.2%	428,230
Heterogeneous	LL	LL-T002	0%	47.91	0.6	230	139	58,180	52.6%	429,806	230	139	643	10.1%	1,576	0	0	57,537	55.2%	428,230
Heterogeneous	RL	RL-T131	100%	30.16	0.6	145	81	58,325	52.7%	429,888	0	0	643	10.1%	1,576	145	81	57,682	55.3%	428,312
Heterogeneous	OR	OR-W047	100%	154.13	0.5	741	387	59,066	53.4%	430,274	0	0	643	10.1%	1,576	741	387	58,423	56.0%	428,699
Heterogeneous	IN	IN-W139.627	100%	12.27	0.5	59	28	59,125	53.4%	430,303	0	0	643	10.1%	1,576	59	28	58,482	56.1%	428,727
Heterogeneous	IN	IN-W323.562	0%	0.89	0.5	4	2	59,129	53.4%	430,305	4	2	647	10.2%	1,578	0	0	58,482	56.1%	428,727
Heterogeneous	OR	OR-W048	100%	15.18	0.4	73	31	59,202	53.5%	430,336	0	0	647	10.2%	1,578	73	31	58,555	56.1%	428,758
Heterogeneous	LA	LA-W068	100%	0.42	0.4	2	1	59,204	53.5%	430,336	0	0	647	10.2%	1,578	2	1	58,557	56.1%	428,759
Heterogeneous	IN	IN-W197.802	100%	510.22	0.4	2453	894	61,657	55.7%	431,231	0	0	647	10.2%	1,578	2453	894	61,010	58.5%	429,653
Heterogeneous	IN	IN-W197.803	0%	45.23	0.4	217	79	61,875	55.9%	431,310	217	79	864	13.6%	1,657	0	0	61,010	58.5%	429,653
Heterogeneous	IN	IN-W291.454	0%	0.68	0.3	3	1	61,878	55.9%	431,311	3	1	868	13.7%	1,658	0	0	61,010	58.5%	429,653

Table A-2, Generator Waste Stream Totals Sorted by Final Waste Form and Average PE-Ci/Drum																				
Source: TWBIR Database Query, 20 June 96					Total of All Stored Drums					Stored Not to be Processed					Stored To be Processed					
Final Waste Form	SITE	TWBIR_ID	% to be Processed	Stored m3	Av. PE-Ci / Drum	Equiv. Stored Drums	Total Pe-Ci	Cum. Equiv. Drums	Drum Percentile	Cum. PE-Ci	Total Equiv. Drums	Total Pe-Ci	Cum. Equiv. Drums	Drum Percentile	Cum. PE-Ci	Total Equiv. Drums	Total Pe-Ci	Cum. Equiv. Drums	Drum Percentile	Cum. PE-Ci
Heterogeneous	IN	IN-W291.456	100%	634.40	0.3	3050	1048	64,928	58.7%	432,359	0	0	868	13.7%	1,658	3050	1048	64,060	61.4%	430,701
Heterogeneous	RL	RL-T101	100%	567.94	0.3	2731	904	67,659	61.1%	433,263	0	0	868	13.7%	1,658	2731	904	66,791	64.0%	431,605
Heterogeneous	RL	RL-T118	100%	261.96	0.3	1259	374	68,918	62.3%	433,638	0	0	868	13.7%	1,658	1259	374	68,050	65.2%	431,979
Heterogeneous	RL	RL-T135	100%	0.42	0.3	2	1	68,920	62.3%	433,638	0	0	868	13.7%	1,658	2	1	68,052	65.2%	431,980
Heterogeneous	IN	IN-W308.816	0%	864.91	0.3	4158	1154	73,078	66.0%	434,793	4158	1154	5,026	79.1%	2,813	0	0	68,052	65.2%	431,980
Heterogeneous	IN	IN-W265.516	0%	7.92	0.3	38	10	73,116	66.1%	434,803	38	10	5,064	79.7%	2,823	0	0	68,052	65.2%	431,980
Heterogeneous	IN	IN-W169.191	100%	4,267.12	0.2	20515	4927	93,631	84.6%	439,730	0	0	5,064	79.7%	2,823	20515	4927	88,567	84.9%	436,907
Heterogeneous	IN	IN-W169.985	0%	41.79	0.2	201	48	93,832	84.8%	439,778	201	48	5,265	82.9%	2,871	0	0	88,567	84.9%	436,907
Heterogeneous	LA	LA-W067	100%	8.94	0.2	43	10	93,875	84.8%	439,788	0	0	5,265	82.9%	2,871	43	10	88,610	85.0%	436,917
Heterogeneous	IN	IN-W189.131	0%	1.72	0.2	8	2	93,884	84.8%	439,789	8	2	5,273	83.0%	2,873	0	0	88,610	85.0%	436,917
Heterogeneous	IN	IN-W189.1048	100%	4.99	0.2	24	5	93,908	84.9%	439,794	0	0	5,273	83.0%	2,873	24	5	88,634	85.0%	436,922
Heterogeneous	IN	IN-W302.913	100%	84.86	0.2	408	85	94,316	85.2%	439,880	0	0	5,273	83.0%	2,873	408	85	89,042	85.4%	437,007
Heterogeneous	IN	IN-W302.299	0%	23.45	0.2	113	24	94,428	85.3%	439,903	113	24	5,386	84.8%	2,896	0	0	89,042	85.4%	437,007
Heterogeneous	IN	IN-W203.210	100%	73.22	0.2	352	72	94,780	85.7%	439,976	0	0	5,386	84.8%	2,896	352	72	89,394	85.7%	437,080
Heterogeneous	IN	IN-W203.1081	0%	0.68	0.2	3	1	94,784	85.7%	439,977	3	1	5,389	84.8%	2,897	0	0	89,394	85.7%	437,080
Heterogeneous	IN	IN-W334.675	0%	1.51	0.2	7	1	94,791	85.7%	439,978	7	1	5,396	84.9%	2,898	0	0	89,394	85.7%	437,080
Heterogeneous	IN	IN-W334.961	100%	4.58	0.2	22	4	94,813	85.7%	439,982	0	0	5,396	84.9%	2,898	22	4	89,416	85.7%	437,084
Heterogeneous	RL	RL-W304	75%	2.51	0.2	12	2	94,825	85.7%	439,984	3	1	5,399	85.0%	2,899	9	2	89,425	85.7%	437,085
Heterogeneous	RL	RL-T106	100%	8.11	0.2	39	6	94,864	85.7%	439,990	0	0	5,399	85.0%	2,899	39	6	89,464	85.8%	437,091
Heterogeneous	RL	RL-T109	100%	19.72	0.1	95	13	94,959	85.8%	440,003	0	0	5,399	85.0%	2,899	95	13	89,559	85.9%	437,105
Heterogeneous	RL	RL-T134	100%	0.21	0.1	1	0	94,960	85.8%	440,003	0	0	5,399	85.0%	2,899	1	0	89,560	85.9%	437,105
Heterogeneous	RL	RL-W279	0%	6.93	0.1	33	4	94,993	85.8%	440,007	33	4	5,433	85.5%	2,902	0	0	89,560	85.9%	437,105
Heterogeneous	OR	OR-W041	0%	170.77	0.1	821	74	95,814	86.6%	440,081	821	74	6,254	98.4%	2,976	0	0	89,560	85.9%	437,105
Heterogeneous	IN	IN-W338.657	0%	0.89	0.1	4	0	95,818	86.6%	440,081	4	0	6,258	98.5%	2,977	0	0	89,560	85.9%	437,105
Heterogeneous	IN	IN-W338.956	100%	1.04	0.1	5	0	95,823	86.6%	440,082	0	0	6,258	98.5%	2,977	5	0	89,565	85.9%	437,105
Heterogeneous	RL	RL-T115	100%	1,025.43	0.1	4930	391	100,753	91.1%	440,472	0	0	6,258	98.5%	2,977	4930	391	94,495	90.6%	437,496
Heterogeneous	IN	IN-W225.800	0%	1.10	0.1	5	0	100,759	91.1%	440,473	5	0	6,263	98.6%	2,977	0	0	94,495	90.6%	437,496
Heterogeneous	IN	IN-W225.127	100%	21.63	0.1	104	7	100,863	91.2%	440,479	0	0	6,263	98.6%	2,977	104	7	94,599	90.7%	437,503
Heterogeneous	RL	RL-T145	100%	711.19	0.1	3419	198	104,282	94.2%	440,678	0	0	6,263	98.6%	2,977	3419	198	98,018	94.0%	437,701
Heterogeneous	LL	LL-T003	97%	143.64	0.1	691	39	104,972	94.9%	440,716	18	1	6,282	98.9%	2,978	672	38	98,691	94.6%	437,738
Heterogeneous	IN	IN-W285.815	0%	2.34	0.1	11	1	104,984	94.9%	440,717	11	1	6,293	99.0%	2,979	0	0	98,691	94.6%	437,738
Heterogeneous	IN	IN-W285.471	100%	63.02	0.1	303	17	105,287	95.1%	440,734	0	0	6,293	99.0%	2,979	303	17	98,994	94.9%	437,755
Heterogeneous	IN	IN-W259.552	0%	10.06	0.1	48	3	105,335	95.2%	440,736	48	3	6,341	99.8%	2,981	0	0	98,994	94.9%	437,755
Heterogeneous	IN	IN-W278.1090	0%	0.89	0.0	4	0	105,339	95.2%	440,736	4	0	6,346	99.9%	2,981	0	0	98,994	94.9%	437,755
Heterogeneous	RL	RL-T120	100%	133.81	0.0	643	29	105,983	95.8%	440,766	0	0	6,346	99.9%	2,981	643	29	99,637	95.5%	437,784
Heterogeneous	RL	RL-T122	100%	29.30	0.0	141	6	106,123	95.9%	440,771	0	0	6,346	99.9%	2,981	141	6	99,778	95.7%	437,790
Heterogeneous	RL	RL-T143	100%	403.71	0.0	1941	70	108,064	97.7%	440,841	0	0	6,346	99.9%	2,981	1941	70	101,719	97.5%	437,860
Heterogeneous	RL	RL-T130	100%	0.21	0.0	1	0	108,065	97.7%	440,841	0	0	6,346	99.9%	2,981	1	0	101,720	97.5%	437,860
Heterogeneous	SR	T003-773A-HET	100%	0.62	0.0	3	0	108,068	97.7%	440,841	0	0	6,346	99.9%	2,981	3	0	101,723	97.5%	437,860
Heterogeneous	RL	RL-T108	100%	192.62	0.0	926	22	108,994	98.5%	440,863	0	0	6,346	99.9%	2,981	926	22	102,649	98.4%	437,882
Heterogeneous	RL	RL-T105	100%	80.40	0.0	387	6	109,381	98.8%	440,869	0	0	6,346	99.9%	2,981	387	6	103,035	98.8%	437,888
Heterogeneous	LL	LL-W018	0%	1.89	0.0	9	0	109,390	98.9%	440,869	9	0	6,355	100.0%	2,981	0	0	103,035	98.8%	437,888
Heterogeneous	RL	RL-T113	100%	42.80	0.0	206	1	109,596	99.0%	440,870	0	0	6,355	100.0%	2,981	206	1	103,241	99.0%	437,889
Heterogeneous	RL	RL-T104	100%	4.99	0.0	24	0	109,620	99.1%	440,870	0	0	6,355	100.0%	2,981	24	0	103,265	99.0%	437,889
Heterogeneous	RL	RL-T102	100%	200.12	0.0	962	0	110,582	99.9%	440,870	0	0	6,355	100.0%	2,981	962	0	104,227	99.9%	437,889
Heterogeneous	RL	RL-T125	100%	15.18	0.0	73	0	110,655	100.0%	440,870	0	0	6,355	100.0%	2,981	73	0	104,300	100.0%	437,889

Table A-2, Generator Waste Stream Totals Sorted by Final Waste Form and Average PE-Ci/Drum																				
Source: TWBIR Database Query, 20 June 96						Total of All Stored Drums					Stored Not to be Processed					Stored To be Processed				
Final Waste Form	SITE	TWBIR_ID	% to be Processed	Stored m3	Av. PE-Ci / Drum	Equiv. Stored Drums	Total Pe-Ci	Cum. Equiv. Drums	Drum Percentile	Cum. PE-Ci	Total Equiv. Drums	Total Pe-Ci	Cum. Equiv. Drums	Drum Percentile	Cum. PE-Ci	Total Equiv. Drums	Total Pe-Ci	Cum. Equiv. Drums	Drum Percentile	Cum. PE-Ci
Final Waste Form Average PE-Ci/drum						4.0 PE-Ci/drum					0.5 PE-Ci/drum					4.2 PE-Ci/drum				
Inorganic Non-Metal	IN	IN-W213.252	100%	0.42	1655.1	2	3310	2	0.0%	3,310	0	0	0	0.0%	0	2	3310	2	0.0%	3,310
Inorganic Non-Metal	IN	IN-W321.578	100%	0.21	924.4	1	924	3	0.0%	4,235	0	0	0	0.0%	0	1	924	3	0.0%	4,235
Inorganic Non-Metal	IN	IN-W319.583	100%	0.21	456.9	1	457	4	0.0%	4,692	0	0	0	0.0%	0	1	457	4	0.0%	4,692
Inorganic Non-Metal	IN	IN-W358.948	100%	0.21	400.1	1	400	5	0.0%	5,092	0	0	0	0.0%	0	1	400	5	0.0%	5,092
Inorganic Non-Metal	IN	IN-W367.840	100%	0.21	379.7	1	380	6	0.0%	5,471	0	0	0	0.0%	0	1	380	6	0.0%	5,471
Inorganic Non-Metal	IN	IN-W159.120	100%	0.42	282.9	2	566	8	0.1%	6,037	0	0	0	0.0%	0	2	566	8	0.1%	6,037
Inorganic Non-Metal	IN	IN-W281.488	100%	0.62	273.7	3	821	11	0.1%	6,858	0	0	0	0.0%	0	3	821	11	0.1%	6,858
Inorganic Non-Metal	IN	IN-W252.1000	100%	0.21	191.1	1	191	12	0.1%	7,049	0	0	0	0.0%	0	1	191	12	0.1%	7,049
Inorganic Non-Metal	IN	IN-W329.682	100%	0.21	145.3	1	145	13	0.1%	7,195	0	0	0	0.0%	0	1	145	13	0.1%	7,195
Inorganic Non-Metal	IN	IN-W254.1044	100%	0.21	110.7	1	111	14	0.1%	7,305	0	0	0	0.0%	0	1	111	14	0.1%	7,305
Inorganic Non-Metal	IN	IN-W249.1071	100%	2.29	106.9	11	1176	25	0.2%	8,481	0	0	0	0.0%	0	11	1176	25	0.2%	8,481
Inorganic Non-Metal	IN	IN-W249.527	0%	1.10	106.9	5	563	30	0.2%	9,044	5	563	5	0.5%	563	0	0	25	0.2%	8,481
Inorganic Non-Metal	IN	IN-W368.839	100%	0.21	97.4	1	97	31	0.2%	9,142	0	0	5	0.5%	563	1	97	26	0.2%	8,578
Inorganic Non-Metal	IN	IN-W199.209	100%	0.21	94.7	1	95	32	0.2%	9,236	0	0	5	0.5%	563	1	95	27	0.2%	8,673
Inorganic Non-Metal	IN	IN-W365.842	100%	1.04	62.8	5	314	37	0.3%	9,550	0	0	5	0.5%	563	5	314	32	0.2%	8,987
Inorganic Non-Metal	IN	IN-W207.238	100%	0.21	60.8	1	61	38	0.3%	9,611	0	0	5	0.5%	563	1	61	33	0.3%	9,048
Inorganic Non-Metal	IN	IN-W198.203	100%	0.21	60.2	1	60	39	0.3%	9,671	0	0	5	0.5%	563	1	60	34	0.3%	9,108
Inorganic Non-Metal	IN	IN-W211.249	100%	22.46	50.3	108	5433	147	1.0%	15,105	0	0	5	0.5%	563	108	5433	142	1.1%	14,541
Inorganic Non-Metal	IN	IN-W197.196	100%	2.29	36.5	11	401	158	1.1%	15,506	0	0	5	0.5%	563	11	401	153	1.2%	14,942
Inorganic Non-Metal	IN	IN-W291.455	100%	1.46	34.4	7	240	165	1.2%	15,746	0	0	5	0.5%	563	7	240	160	1.2%	15,183
Inorganic Non-Metal	IN	IN-W373.830	100%	0.21	27.9	1	28	166	1.2%	15,774	0	0	5	0.5%	563	1	28	161	1.2%	15,211
Inorganic Non-Metal	IN	IN-W209.244	100%	3.12	27.2	15	409	181	1.3%	16,183	0	0	5	0.5%	563	15	409	176	1.4%	15,619
Inorganic Non-Metal	IN	IN-W265.517	100%	0.62	26.4	3	79	184	1.3%	16,262	0	0	5	0.5%	563	3	79	179	1.4%	15,698
Inorganic Non-Metal	IN	IN-W364.844	100%	0.62	24.7	3	74	187	1.3%	16,336	0	0	5	0.5%	563	3	74	182	1.4%	15,773
Inorganic Non-Metal	IN	IN-W362.848	100%	8.74	24.7	42	1037	229	1.6%	17,373	0	0	5	0.5%	563	42	1037	224	1.7%	16,809
Inorganic Non-Metal	IN	IN-W169.192	100%	14.56	24.0	70	1681	299	2.1%	19,054	0	0	5	0.5%	563	70	1681	294	2.3%	18,491
Inorganic Non-Metal	IN	IN-W267.514	100%	1.25	22.0	6	132	305	2.2%	19,186	0	0	5	0.5%	563	6	132	300	2.3%	18,622
Inorganic Non-Metal	IN	IN-W348.846	100%	4.16	20.9	20	418	325	2.3%	19,604	0	0	5	0.5%	563	20	418	320	2.5%	19,040
Inorganic Non-Metal	IN	IN-W365.1010	0%	1.30	18.8	6	118	332	2.4%	19,722	6	118	12	1.0%	682	0	0	320	2.5%	19,040
Inorganic Non-Metal	IN	IN-W208.242	100%	1.46	15.3	7	107	339	2.4%	19,829	0	0	12	1.0%	682	7	107	327	2.5%	19,147
Inorganic Non-Metal	IN	IN-W373.1003	0%	0.68	14.0	3	46	342	2.4%	19,874	3	46	15	1.3%	727	0	0	327	2.5%	19,147
Inorganic Non-Metal	IN	IN-W216.99	100%	255.01	12.6	1226	15429	1,568	11.1%	35,303	0	0	15	1.3%	727	1226	15429	1,553	12.0%	34,576
Inorganic Non-Metal	IN	IN-W364.1011	0%	0.89	12.4	4	53	1,572	11.2%	35,356	4	53	19	1.6%	780	0	0	1,553	12.0%	34,576
Inorganic Non-Metal	IN	IN-W362.1020	0%	5.37	12.3	26	319	1,598	11.3%	35,675	26	319	45	3.8%	1,099	0	0	1,553	12.0%	34,576
Inorganic Non-Metal	IN	IN-W163.234	100%	0.42	11.5	2	23	1,600	11.4%	35,698	0	0	45	3.8%	1,099	2	23	1,555	12.0%	34,599
Inorganic Non-Metal	IN	IN-W298.979	100%	0.42	11.2	2	22	1,602	11.4%	35,720	0	0	45	3.8%	1,099	2	22	1,557	12.1%	34,621
Inorganic Non-Metal	IN	IN-W267.1005	0%	1.10	11.0	5	58	1,607	11.4%	35,778	5	58	50	4.3%	1,157	0	0	1,557	12.1%	34,621
Inorganic Non-Metal	IN	IN-W210.247	100%	0.21	10.3	1	10	1,608	11.4%	35,788	0	0	50	4.3%	1,157	1	10	1,558	12.1%	34,632
Inorganic Non-Metal	IN	IN-W363.847	100%	1.04	10.0	5	50	1,613	11.5%	35,838	0	0	50	4.3%	1,157	5	50	1,563	12.1%	34,681
Inorganic Non-Metal	RL	RL-W405	0%	0.21	9.2	1	9	1,614	11.5%	35,847	1	9	51	4.4%	1,166	0	0	1,563	12.1%	34,681
Inorganic Non-Metal	IN	IN-W361.849	100%	2.08	7.8	10	78	1,624	11.5%	35,925	0	0	51	4.4%	1,166	10	78	1,573	12.2%	34,759
Inorganic Non-metal	RF	RF-TT0438	0%	7.70	7.3	37	271	1,661	11.8%	36,196	37	271	88	7.6%	1,437	0	0	1,573	12.2%	34,759
Inorganic Non-metal	RF	RF-MT-0368	100%	0.62	7.2	3	22	1,664	11.8%	36,218	0	0	88	7.6%	1,437	3	22	1,576	12.2%	34,781
Inorganic Non-Metal	IN	IN-W283.963	100%	0.21	6.9	1	7	1,665	11.8%	36,225	0	0	88	7.6%	1,437	1	7	1,577	12.2%	34,788
Inorganic Non-Metal	IN	IN-W317.1028	100%	0.21	6.6	1	7	1,666	11.8%	36,231	0	0	88	7.6%	1,437	1	7	1,578	12.2%	34,794

Table A-2, Generator Waste Stream Totals Sorted by Final Waste Form and Average PE-Ci/Drum																				
Source: TWBIR Database Query, 20 June 96					Total of All Stored Drums					Stored Not to be Processed					Stored To be Processed					
Final Waste Form	SITE	TWBIR_ID	% to be Processed	Stored m3	Av. PE-Ci / Drum	Equip. Stored Drums	Total Pe-Ci	Cum. Equip. Drums	Drum Percentile	Cum. PE-Ci	Total Equip. Drums	Total Pe-Ci	Cum. Equip. Drums	Drum Percentile	Cum. PE-Ci	Total Equip. Drums	Total Pe-Ci	Cum. Equip. Drums	Drum Percentile	Cum. PE-Ci
Inorganic Non-Metal	IN	IN-W206.936	100%	22.46	6.5	108	703	1,774	12.6%	36,935	0	0	88	7.6%	1,437	108	703	1,686	13.1%	35,498
Inorganic Non-Metal	IN	IN-W363.1019	0%	0.89	5.0	4	21	1,778	12.6%	36,956	4	21	92	7.9%	1,458	0	0	1,686	13.1%	35,498
Inorganic Non-Metal	IN	IN-W222.117	100%	39.10	4.5	188	841	1,966	14.0%	37,797	0	0	92	7.9%	1,458	188	841	1,874	14.5%	36,338
Inorganic Non-Metal	IN	IN-W361.1021	0%	1.51	3.9	7	28	1,974	14.0%	37,825	7	28	100	8.5%	1,487	0	0	1,874	14.5%	36,338
Inorganic Non-Metal	IN	IN-W322.851	0%	0.89	3.4	4	14	1,978	14.0%	37,839	4	14	104	8.9%	1,501	0	0	1,874	14.5%	36,338
Inorganic Non-Metal	IN	IN-W322.952	100%	1.66	3.4	8	27	1,986	14.1%	37,866	0	0	104	8.9%	1,501	8	27	1,882	14.6%	36,365
Inorganic Non-Metal	RL	RL-W292	0%	0.21	2.8	1	3	1,987	14.1%	37,869	1	3	105	9.0%	1,504	0	0	1,882	14.6%	36,365
Inorganic Non-Metal	IN	IN-W294.1057	100%	0.42	2.7	2	5	1,989	14.1%	37,875	0	0	105	9.0%	1,504	2	5	1,884	14.6%	36,371
Inorganic Non-Metal	RF	RF-TT0442	0%	28.08	2.7	135	369	2,124	15.1%	38,243	135	369	240	20.6%	1,873	0	0	1,884	14.6%	36,371
Inorganic Non-metal	RF	RF-TT0440	0%	5.63	2.4	27	64	2,151	15.3%	38,308	27	64	267	22.9%	1,937	0	0	1,884	14.6%	36,371
Inorganic Non-Metal	IN	IN-W243.275	100%	7.28	2.3	35	81	2,186	15.5%	38,389	0	0	267	22.9%	1,937	35	81	1,919	14.9%	36,452
Inorganic Non-Metal	IN	IN-W245.1034	100%	0.21	2.2	1	2	2,187	15.5%	38,391	0	0	267	22.9%	1,937	1	2	1,920	14.9%	36,454
Inorganic Non-Metal	IN	IN-W230.940	100%	14.77	2.1	71	153	2,258	16.0%	38,544	0	0	267	22.9%	1,937	71	153	1,991	15.4%	36,607
Inorganic Non-Metal	IN	IN-W230.229	0%	4.27	2.1	21	44	2,279	16.2%	38,588	21	44	288	24.6%	1,981	0	0	1,991	15.4%	36,607
Inorganic Non-Metal	RL	RL-W403	0%	0.62	2.0	3	6	2,282	16.2%	38,594	3	6	291	24.9%	1,987	0	0	1,991	15.4%	36,607
Inorganic Non-Metal	IN	IN-W374.1091	100%	2.08	2.0	10	20	2,292	16.3%	38,614	0	0	291	24.9%	1,987	10	20	2,001	15.5%	36,627
Inorganic Non-Metal	IN	IN-W366.841	0%	1.10	1.9	5	10	2,297	16.3%	38,624	5	10	296	25.3%	1,997	0	0	2,001	15.5%	36,627
Inorganic Non-Metal	IN	IN-W366.1004	100%	2.08	1.9	10	19	2,307	16.4%	38,642	0	0	296	25.3%	1,997	10	19	2,011	15.6%	36,645
Inorganic Non-Metal	RL	RL-W400	0%	0.21	1.9	1	2	2,308	16.4%	38,644	1	2	297	25.4%	1,999	0	0	2,011	15.6%	36,645
Inorganic Non-Metal	IN	IN-W212.251	100%	150.59	1.9	724	1355	3,032	21.5%	39,999	0	0	297	25.4%	1,999	724	1355	2,735	21.2%	38,000
Inorganic Non-Metal	IN	IN-W308.618	100%	503.57	1.9	2421	4481	5,453	38.7%	44,480	0	0	297	25.4%	1,999	2421	4481	5,156	39.9%	42,481
Inorganic Non-metal	RF	RF-MT0440	0%	5.63	1.7	27	45	5,480	38.9%	44,525	27	45	324	27.7%	2,044	0	0	5,156	39.9%	42,481
Inorganic Non-Metal	RF	RF-MT0442	0%	6.66	1.7	32	53	5,512	39.2%	44,579	32	53	356	30.5%	2,098	0	0	5,156	39.9%	42,481
Inorganic Non-Metal	RF	RF-MT0856	0%	0.21	1.7	1	2	5,513	39.2%	44,580	1	2	357	30.6%	2,099	0	0	5,156	39.9%	42,481
Inorganic Non-Metal	IN	IN-W187.121	100%	0.21	1.5	1	2	5,514	39.2%	44,582	0	0	357	30.6%	2,099	1	2	5,157	39.9%	42,483
Inorganic Non-Metal	RL	RL-W393	0%	5.41	1.5	26	39	5,540	39.3%	44,621	26	39	383	32.8%	2,139	0	0	5,157	39.9%	42,483
Inorganic Non-Metal	IN	IN-W205.1087	100%	0.21	1.4	1	1	5,541	39.4%	44,623	0	0	383	32.8%	2,139	1	1	5,158	40.0%	42,484
Inorganic Non-Metal	IN	IN-W245.302	100%	133.74	1.1	643	707	6,184	43.9%	45,330	0	0	383	32.8%	2,139	643	707	5,801	44.9%	43,191
Inorganic Non-Metal	IN	IN-W245.301	0%	37.51	1.1	180	198	6,364	45.2%	45,528	180	198	563	48.2%	2,337	0	0	5,801	44.9%	43,191
Inorganic Non-Metal	IN	IN-W247.1038	100%	0.21	1.1	1	1	6,365	45.2%	45,529	0	0	563	48.2%	2,337	1	1	5,802	44.9%	43,192
Inorganic Non-Metal	IN	IN-W161.231	100%	97.55	1.0	469	489	6,834	48.5%	46,018	0	0	563	48.2%	2,337	469	489	6,271	48.6%	43,681
Inorganic Non-Metal	IN	IN-W161.806	0%	15.79	1.0	76	79	6,910	49.1%	46,098	76	79	639	54.7%	2,416	0	0	6,271	48.6%	43,681
Inorganic Non-Metal	RL	RL-W353	0%	0.83	1.0	4	4	6,914	49.1%	46,102	4	4	643	55.1%	2,420	0	0	6,271	48.6%	43,681
Inorganic Non-Metal	RL	RL-W387	0%	1.46	0.7	7	5	6,921	49.2%	46,107	7	5	650	55.7%	2,425	0	0	6,271	48.6%	43,681
Inorganic Non-Metal	IN	IN-W240.272	100%	167.65	0.7	806	554	7,727	54.9%	46,661	0	0	650	55.7%	2,425	806	554	7,077	54.8%	44,236
Inorganic Non-Metal	IN	IN-W240.931	0%	1.93	0.7	9	6	7,736	55.0%	46,667	9	6	659	56.5%	2,432	0	0	7,077	54.8%	44,236
Inorganic Non-Metal	IN	IN-W296.329	100%	520.21	0.6	2501	1602	10,237	72.7%	48,269	0	0	659	56.5%	2,432	2501	1602	9,578	74.2%	45,837
Inorganic Non-Metal	RL	RL-W364	0%	2.08	0.6	10	6	10,247	72.8%	48,275	10	6	669	57.3%	2,438	0	0	9,578	74.2%	45,837
Inorganic Non-Metal	IN	IN-W243.808	0%	46.06	0.6	221	129	10,469	74.4%	48,403	221	129	891	76.3%	2,566	0	0	9,578	74.2%	45,837
Inorganic Non-Metal	IN	IN-W243.274	100%	174.30	0.6	838	487	11,307	80.3%	48,890	0	0	891	76.3%	2,566	838	487	10,416	80.7%	46,324
Inorganic Non-Metal	IN	IN-W157.907	100%	9.36	0.5	45	24	11,352	80.6%	48,915	0	0	891	76.3%	2,566	45	24	10,461	81.0%	46,348
Inorganic Non-Metal	IN	IN-W247.810	0%	27.51	0.5	132	70	11,484	81.6%	48,985	132	70	1,023	87.6%	2,636	0	0	10,461	81.0%	46,348
Inorganic Non-Metal	IN	IN-W374.829	0%	2.34	0.5	11	6	11,495	81.7%	48,990	11	6	1,034	88.6%	2,642	0	0	10,461	81.0%	46,348
Inorganic Non-Metal	IN	IN-W218.109	100%	183.87	0.4	884	387	12,379	87.9%	49,377	0	0	1,034	88.6%	2,642	884	387	11,345	87.9%	46,736
Inorganic Non-Metal	IN	IN-W257.558	100%	0.21	0.4	1	0	12,380	87.9%	49,378	0	0	1,034	88.6%	2,642	1	0	11,346	87.9%	46,736
Inorganic Non-Metal	IN	IN-W203.211	100%	3.33	0.4	16	7	12,396	88.1%	49,385	0	0	1,034	88.6%	2,642	16	7	11,362	88.0%	46,743
Inorganic Non-Metal	IN	IN-W259.920	100%	2.50	0.3	12	4	12,408	88.1%	49,389	0	0	1,034	88.6%	2,642	12	4	11,374	88.1%	46,747

Table A-2, Generator Waste Stream Totals Sorted by Final Waste Form and Average PE-Ci/Drum																				
Source: TWBIR Database Query, 20 June 96						Total of All Stored Drums					Stored Not to be Processed					Stored To be Processed				
Final Waste Form	SITE	TWBIR_ID	% to be Processed	Stored m3	Av. PE-Ci / Drum	Equip. Stored Drums	Total Pe-Ci	Cum. Equip. Drums	Drum Percentile	Cum. PE-Ci	Total Equip. Drums	Total Pe-Ci	Cum. Equip. Drums	Drum Percentile	Cum. PE-Ci	Total Equip. Drums	Total Pe-Ci	Cum. Equip. Drums	Drum Percentile	Cum. PE-Ci
Inorganic Non-Metal	RF	RF-MT0444	0%	2.72	0.3	13	5	12,422	88.2%	49,393	13	5	1,048	89.7%	2,646	0	0	11,374	88.1%	46,747
Inorganic Non-Metal	RL	RL-W376	0%	16.22	0.3	78	26	12,500	88.8%	49,419	78	26	1,126	96.4%	2,673	0	0	11,374	88.1%	46,747
Inorganic Non-Metal	RF	RF-MT0855	0%	0.21	0.3	1	0	12,501	88.8%	49,420	1	0	1,127	96.5%	2,673	0	0	11,374	88.1%	46,747
Inorganic Non-Metal	IN	IN-W309.609	100%	108.58	0.2	522	123	13,023	92.5%	49,543	0	0	1,127	96.5%	2,673	522	123	11,896	92.1%	46,870
Inorganic Non-Metal	RL	RL-W315	0%	0.42	0.2	2	0	13,025	92.5%	49,543	2	0	1,129	96.6%	2,674	0	0	11,896	92.1%	46,870
Inorganic Non-Metal	IN	IN-W357.850	100%	0.21	0.2	1	0	13,026	92.5%	49,544	0	0	1,129	96.6%	2,674	1	0	11,897	92.1%	46,870
Inorganic Non-metal	RF	RF-MT-0438	0%	0.42	0.2	2	0	13,028	92.5%	49,544	2	0	1,131	96.8%	2,674	0	0	11,897	92.1%	46,870
Inorganic Non-Metal	IN	IN-W228.102	100%	198.85	0.2	956	208	13,984	99.3%	49,752	0	0	1,131	96.8%	2,674	956	208	12,853	99.6%	47,078
Inorganic Non-Metal	IN	IN-W278.495	100%	4.16	0.2	20	3	14,004	99.5%	49,756	0	0	1,131	96.8%	2,674	20	3	12,873	99.7%	47,082
Inorganic Non-Metal	IN	IN-W375.827	100%	7.90	0.1	38	4	14,042	99.7%	49,760	0	0	1,131	96.8%	2,674	38	4	12,911	100.0%	47,086
Inorganic Non-Metal	IN	IN-W357.1022	0%	0.68	0.1	3	0	14,045	99.8%	49,760	3	0	1,134	97.1%	2,674	0	0	12,911	100.0%	47,086
Inorganic Non-Metal	RL	RL-W342	0%	0.83	0.1	4	0	14,049	99.8%	49,761	4	0	1,138	97.4%	2,675	0	0	12,911	100.0%	47,086
Inorganic Non-Metal	RL	RL-W367	0%	2.91	0.1	14	1	14,063	99.9%	49,762	14	1	1,152	98.6%	2,676	0	0	12,911	100.0%	47,086
Inorganic Non-Metal	RL	RL-W358	0%	2.50	0.1	12	1	14,075	100.0%	49,762	12	1	1,164	99.7%	2,676	0	0	12,911	100.0%	47,086
Inorganic Non-Metal	RL	RL-W392	0%	0.21	0.0	1	0	14,076	100.0%	49,762	1	0	1,165	99.7%	2,676	0	0	12,911	100.0%	47,086
Inorganic Non-Metal	RL	RL-W352	0%	0.21	0.0	1	0	14,077	100.0%	49,762	1	0	1,166	99.8%	2,676	0	0	12,911	100.0%	47,086
Inorganic Non-Metal	RL	RL-W336	0%	0.42	0.0	2	0	14,079	100.0%	49,762	2	0	1,168	100.0%	2,676	0	0	12,911	100.0%	47,086
Final Waste Form Average PE-Ci/drum						3.5 PE-Ci/drum					2.3 PE-Ci/drum					3.6 PE-Ci/drum				
Lead/Cadmium Metal Waste	RF	RF-MT0480	100%	0.21	6.8	1	7	1	0.9%	7	0	0	0	0.0%	0	1	7	1	3.2%	7
Lead/Cadmium Metal Waste	RL	RL-W287	0%	0.42	2.8	2	6	3	2.6%	12	2	6	2	2.4%	6	0	0	1	3.2%	7
Lead/Cadmium Metal Waste	RL	RL-W290	0%	2.29	2.8	11	30	14	12.2%	43	11	30	13	15.6%	36	0	0	1	3.2%	7
Lead/Cadmium Metal Waste	RF	RF-MT0321	0%	3.74	1.2	18	22	32	28.0%	65	18	22	31	37.3%	58	0	0	1	3.2%	7
Lead/Cadmium Metal Waste	RL	RL-W349	0%	0.21	0.9	1	1	33	28.9%	66	1	1	32	38.5%	59	0	0	1	3.2%	7
Lead/Cadmium Metal Waste	RL	RL-W328	100%	3.78	0.5	18	9	51	44.7%	75	0	0	32	38.5%	59	18	9	19	61.5%	16
Lead/Cadmium Metal Waste	RL	RL-W317	0%	1.04	0.2	5	1	56	49.1%	76	5	1	37	44.5%	60	0	0	19	61.5%	16
Lead/Cadmium Metal Waste	RL	RL-W306	0%	0.83	0.2	4	1	60	52.6%	77	4	1	41	49.3%	61	0	0	19	61.5%	16
Lead/Cadmium Metal Waste	RL	RL-W311	0%	4.41	0.2	21	4	81	71.2%	81	21	4	62	74.8%	66	0	0	19	61.5%	16
Lead/Cadmium Metal Waste	RL	RL-W312	0%	2.29	0.2	11	2	92	80.8%	83	11	2	73	88.0%	68	0	0	19	61.5%	16
Lead/Cadmium Metal Waste	RL	RL-W318	0%	1.66	0.2	8	2	100	87.8%	85	8	2	81	97.6%	70	0	0	19	61.5%	16
Lead/Cadmium Metal Waste	RL	RL-W339	0%	0.42	0.1	2	0	102	89.5%	85	2	0	83	100.0%	70	0	0	19	61.5%	16
Lead/Cadmium Metal Waste	LA	LA-W066	100%	1.89	0.0	9	0	111	97.5%	85	0	0	83	100.0%	70	9	0	28	90.7%	16
Lead/Cadmium Metal Waste	RL	RL-W277	100%	0.60	0.0	3	0	114	100.0%	85	0	0	83	100.0%	70	3	0	31	100.0%	16
Salt Waste						35.4					0					26				
Salt Waste	IN	IN-W311.1013	100%	5.41	35.4	26	921	26	25.6%	921	0	0	0	0.0%	0	26	921	26	38.2%	921
Salt Waste	IN	IN-W311.604	0%	1.72	35.4	8	293	34	33.7%	1,215	8	293	8	24.6%	293	0	0	26	38.2%	921
Salt Waste	IN	IN-W312.602	0%	1.10	12.4	5	66	40	38.9%	1,280	5	66	14	40.3%	359	0	0	26	38.2%	921
Salt Waste	IN	IN-W312.942	100%	2.70	12.4	13	162	53	51.7%	1,442	0	0	14	40.3%	359	13	162	39	57.4%	1,083
Salt Waste	IN	IN-W314.1017	100%	1.04	10.8	5	54	58	56.6%	1,496	0	0	14	40.3%	359	5	54	44	64.7%	1,137
Salt Waste	IN	IN-W314.606	0%	0.68	10.8	3	35	61	59.8%	1,531	3	35	17	50.0%	394	0	0	44	64.7%	1,137
Salt Waste	IN	IN-W355.1015	100%	1.04	7.4	5	37	66	64.8%	1,568	0	0	17	50.0%	394	5	37	49	72.1%	1,174
Salt Waste	IN	IN-W355.857	0%	0.89	7.4	4	32	70	69.0%	1,600	4	32	21	62.7%	426	0	0	49	72.1%	1,174
Salt Waste	IN	IN-W356.1014	100%	3.74	4.2	18	76	88	86.7%	1,676	0	0	21	62.7%	426	18	76	67	98.5%	1,251
Salt Waste	IN	IN-W356.856	0%	1.30	4.2	6	27	94	92.8%	1,703	6	27	27	81.4%	452	0	0	67	98.5%	1,251
Salt Waste	IN	IN-W354.858	0%	0.68	1.5	3	5	98	96.1%	1,708	3	5	31	91.1%	457	0	0	67	98.5%	1,251

Table A-2, Generator Waste Stream Totals Sorted by Final Waste Form and Average PE-Ci/Drum																				
Source: TWBIR Database Query, 20 June 96						Total of All Stored Drums					Stored Not to be Processed					Stored To be Processed				
Final Waste Form	SITE	TWBIR_ID	% to be Processed	Stored m3	Av. PE-Ci / Drum	Equip. Stored Drums	Total Pe-Ci	Cum. Equip. Drums	Drum Percentile	Cum. PE-Ci	Total Equip. Drums	Total Pe-Ci	Cum. Equip. Drums	Drum Percentile	Cum. PE-Ci	Total Equip. Drums	Total Pe-Ci	Cum. Equip. Drums	Drum Percentile	Cum. PE-Ci
Salt Waste	IN	IN-W354.1016	100%	0.21	1.5	1	1	99	97.0%	1,709	0	0	31	91.1%	457	1	1	68	100.0%	1,252
Salt Waste	LL	LL-T004	0%	0.62	0.8	3	3	102	100.0%	1,712	3	3	34	100.0%	460	0	0	68	100.0%	1,252
Final Waste Form Average PE-Ci/drum						16.8 PE-Ci/drum					13.7 PE-Ci/drum					18.4 PE-Ci/drum				
Soils	RL	RL-T103	100%	99.63	10.1	479	4827	479	24.5%	4,827	0	0	0	0.0%	0	479	4827	479	25.7%	4,827
Soils	RL	RL-W283	0%	11.65	2.6	56	146	535	27.3%	4,973	56	146	56	58.7%	146	0	0	479	25.7%	4,827
Soils	RL	RL-W354	0%	0.21	1.0	1	1	536	27.4%	4,974	1	1	57	59.7%	147	0	0	479	25.7%	4,827
Soils	RL	RL-W316	0%	0.21	0.5	1	0	537	27.4%	4,975	1	0	58	60.8%	148	0	0	479	25.7%	4,827
Soils	LA	LA-T008	100%	110.57	0.3	532	181	1,069	54.6%	5,156	0	0	58	60.8%	148	532	181	1,011	54.3%	5,008
Soils	RL	RL-W381	0%	6.24	0.3	30	10	1,099	56.1%	5,166	30	10	88	92.2%	158	0	0	1,011	54.3%	5,008
Soils	RL	RL-W310	0%	0.29	0.2	1	0	1,100	56.2%	5,166	1	0	89	93.7%	158	0	0	1,011	54.3%	5,008
Soils	RL	RL-W323	0%	0.62	0.2	3	1	1,103	56.3%	5,167	3	1	92	96.9%	159	0	0	1,011	54.3%	5,008
Soils	RL	RL-W406	0%	0.42	0.0	2	0	1,105	56.4%	5,167	2	0	94	99.0%	159	0	0	1,011	54.3%	5,008
Soils	MD	MD-T003	100%	146.94	0.0	706	22	1,811	92.5%	5,189	0	0	94	99.0%	159	706	22	1,717	92.2%	5,030
Soils	MD	MD-T005	100%	30.24	0.0	145	2	1,957	99.9%	5,192	0	0	94	99.0%	159	145	2	1,862	100.0%	5,033
Soils	RL	RL-W351	0%	0.21	0.0	1	0	1,958	100.0%	5,192	1	0	95	100.0%	159	0	0	1,862	100.0%	5,033
Final Waste Form Average PE-Ci/drum						2.7 PE-Ci/drum					1.7 PE-Ci/drum					2.7 PE-Ci/drum				
Solidified Inorganics	OFF S	W027-999-VIT	100%	31.85	511.8	153	78373	153	0.3%	78,373	0	0	0	0.0%	0	153	78373	153	0.5%	78,373
Solidified Inorganics	IN	IN-W159.1072	0%	0.68	141.5	3	463	156	0.3%	78,836	3	463	3	0.0%	463	0	0	153	0.5%	78,373
Solidified Inorganics	SR	W006-773A-VIT	100%	0.52	94.9	2	236	159	0.3%	79,072	0	0	3	0.0%	463	2	236	156	0.5%	78,609
Solidified Inorganics	OFF S	W053-773A-VIT	100%	0.52	29.6	2	74	161	0.3%	79,146	0	0	3	0.0%	463	2	74	158	0.5%	78,683
Solidified Inorganics	IN	IN-W146.699	100%	2.29	23.7	11	261	172	0.4%	79,407	0	0	3	0.0%	463	11	261	169	0.6%	78,944
Solidified Inorganics	SR	T001-773A-CLAS	100%	4.58	21.5	22	473	194	0.4%	79,879	0	0	3	0.0%	463	22	473	191	0.6%	79,416
Solidified Inorganics	RF	RF-MT0377	0%	3.54	16.2	17	276	211	0.5%	80,155	17	276	20	0.1%	739	0	0	191	0.6%	79,416
Solidified Inorganics	RF	RF-MT-0823	0%	0.21	15.7	1	16	212	0.5%	80,171	1	16	21	0.1%	754	0	0	191	0.6%	79,416
Solidified Inorganics	IN	IN-W315.601	100%	0.42	15.2	2	30	214	0.5%	80,201	0	0	21	0.1%	754	2	30	193	0.6%	79,447
Solidified Inorganics	SR	W027-773A-VIT	100%	17.25	13.5	83	1123	297	0.6%	81,324	0	0	21	0.1%	754	83	1123	276	0.9%	80,570
Solidified Inorganics	SR	W027-221F-VIT	100%	33.18	13.5	160	2160	457	1.0%	83,485	0	0	21	0.1%	754	160	2160	436	1.4%	82,730
Solidified Inorganics	SR	W027-221H-VIT	100%	25.88	13.5	124	1685	581	1.3%	85,170	0	0	21	0.1%	754	124	1685	560	1.8%	84,415
Solidified Inorganics	SR	W027-235F-VIT	100%	16.59	13.5	80	1080	661	1.4%	86,250	0	0	21	0.1%	754	80	1080	640	2.1%	85,495
Solidified Inorganics	SR	T003-773A-VIT	100%	0.21	13.5	1	14	662	1.4%	86,263	0	0	21	0.1%	754	1	14	641	2.1%	85,509
Solidified Inorganics	SR	W027-772F-VIT	100%	10.62	13.5	51	691	713	1.5%	86,955	0	0	21	0.1%	754	51	691	692	2.3%	86,200
Solidified Inorganics	LA	LA-T006	88%	4.99	11.5	24	276	737	1.6%	87,230	3	33	24	0.2%	788	21	242	713	2.3%	86,442
Solidified Inorganics	IN	IN-W348.1012	0%	2.34	10.5	11	118	748	1.6%	87,348	11	118	35	0.2%	905	0	0	713	2.3%	86,442
Solidified Inorganics	RF	RF-MT0001	0%	3.74	9.1	18	163	766	1.7%	87,511	18	163	53	0.3%	1,068	0	0	713	2.3%	86,442
Solidified Inorganics	RF	RF-MT0007	0%	0.83	9.1	4	36	770	1.7%	87,547	4	36	57	0.4%	1,105	0	0	713	2.3%	86,442
Solidified Inorganics	RF	RF-T010	0%	0.62	9.1	3	27	773	1.7%	87,574	3	27	60	0.4%	1,132	0	0	713	2.3%	86,442
Solidified Inorganics	SR	T001-221F-VIT	100%	23.15	8.2	111	916	885	1.9%	88,490	0	0	60	0.4%	1,132	111	916	824	2.7%	87,358
Solidified Inorganics	SR	T001-221H-VIT	100%	33.80	8.2	163	1324	1,047	2.3%	89,814	0	0	60	0.4%	1,132	163	1324	987	3.2%	88,683
Solidified Inorganics	SR	T001-773A-VIT	100%	0.40	8.1	2	15	1,049	2.3%	89,830	0	0	60	0.4%	1,132	2	15	989	3.2%	88,698
Solidified Inorganics	SR	T001-772F-VIT	100%	0.19	8.1	1	7	1,050	2.3%	89,837	0	0	60	0.4%	1,132	1	7	989	3.2%	88,705
Solidified Inorganics	SR	T001-235F-VIT	100%	1.48	8.1	7	58	1,057	2.3%	89,895	0	0	60	0.4%	1,132	7	58	997	3.2%	88,763
Solidified Inorganics	RF	RF-TT0802	0%	7.49	7.6	36	272	1,093	2.4%	90,167	36	272	96	0.6%	1,404	0	0	997	3.2%	88,763
Solidified Inorganics	IN	IN-W216.98	0%	555.65	6.3	2671	16805	3,764	8.1%	106,971	2671	16805	2,768	17.7%	18,209	0	0	997	3.2%	88,763
Solidified Inorganics	IN	IN-W216.875	100%	1,478.88	6.3	7110	44727	10,874	23.5%	151,698	0	0	2,768	17.7%	18,209	7110	44727	8,107	26.4%	133,490

Table A-2, Generator Waste Stream Totals Sorted by Final Waste Form and Average PE-Ci/Drum																				
Source: TWBIR Database Query, 20 June 96					Total of All Stored Drums					Stored Not to be Processed					Stored To be Processed					
Final Waste Form	SITE	TWBIR_ID	% to be Processed	Stored m3	Av. PE-Ci / Drum	Equip. Stored Drums	Total Pe-Ci	Cum. Equip. Drums	Drum Percentile	Cum. PE-Ci	Total Equip. Drums	Total Pe-Ci	Cum. Equip. Drums	Drum Percentile	Cum. PE-Ci	Total Equip. Drums	Total Pe-Ci	Cum. Equip. Drums	Drum Percentile	Cum. PE-Ci
Solidified Inorganics	RF	RF-MT0807	0%	73.42	6.1	353	2144	11,227	24.2%	153,843	353	2144	3,121	19.9%	20,353	0	0	8,107	26.4%	133,490
Solidified Inorganics	RF	RF-MT0800	0%	65.52	6.0	315	1904	11,542	24.9%	155,747	315	1904	3,436	22.0%	22,257	0	0	8,107	26.4%	133,490
Solidified Inorganics	RF	RF-MT0803	0%	2.91	5.9	14	83	11,556	24.9%	155,830	14	83	3,450	22.0%	22,341	0	0	8,107	26.4%	133,490
Solidified Inorganics	IN	IN-W163.1007	0%	0.68	5.8	3	19	11,560	25.0%	155,849	3	19	3,453	22.1%	22,359	0	0	8,107	26.4%	133,490
Solidified Inorganics	LA	LA-W006	92%	552.19	3.9	2655	10233	14,214	30.7%	166,082	220	846	3,673	23.5%	23,206	2435	9387	10,542	34.4%	142,876
Solidified Inorganics	IN	IN-W177.1083	100%	141.02	3.1	678	2107	14,892	32.2%	168,189	0	0	3,673	23.5%	23,206	678	2107	11,220	36.6%	144,983
Solidified Inorganics	IN	IN-W177.156	0%	39.23	3.1	189	586	15,081	32.6%	168,775	189	586	3,861	24.7%	23,792	0	0	11,220	36.6%	144,983
Solidified Inorganics	IN	IN-W174.154	0%	134.32	2.7	646	1752	15,727	34.0%	170,527	646	1752	4,507	28.8%	25,543	0	0	11,220	36.6%	144,983
Solidified Inorganics	IN	IN-W174.1082	100%	30.37	2.7	146	396	15,873	34.3%	170,923	0	0	4,507	28.8%	25,543	146	396	11,366	37.1%	145,379
Solidified Inorganics	IN	IN-W222.965	100%	10.61	2.2	51	114	15,924	34.4%	171,037	0	0	4,507	28.8%	25,543	51	114	11,417	37.2%	145,493
Solidified Inorganics	IN	IN-W222.116	0%	24.75	2.2	119	266	16,043	34.6%	171,303	119	266	4,626	29.6%	25,809	0	0	11,417	37.2%	145,493
Solidified Inorganics	IN	IN-W332.962	100%	0.83	1.9	4	8	16,047	34.6%	171,310	0	0	4,626	29.6%	25,809	4	8	11,421	37.2%	145,501
Solidified Inorganics	IN	IN-W332.661	0%	0.68	1.9	3	6	16,050	34.6%	171,317	3	6	4,629	29.6%	25,816	0	0	11,421	37.2%	145,501
Solidified Inorganics	IN	IN-W220.114	0%	122.80	1.6	590	937	16,640	35.9%	172,254	590	937	5,220	33.3%	26,753	0	0	11,421	37.2%	145,501
Solidified Inorganics	IN	IN-W220.925	0%	443.04	1.6	2130	3381	18,770	40.5%	175,635	2130	3381	7,350	47.0%	30,134	0	0	11,421	37.2%	145,501
Solidified Inorganics	RL	RL-W394	0%	3.12	1.5	15	22	18,785	40.6%	175,657	15	22	7,365	47.1%	30,156	0	0	11,421	37.2%	145,501
Solidified Inorganics	NT	NT-W021	100%	5.67	1.5	27	40	18,813	40.6%	175,697	0	0	7,365	47.1%	30,156	27	40	11,448	37.3%	145,541
Solidified Inorganics	IN	IN-W179.158	0%	1.51	1.2	7	9	18,820	40.6%	175,706	7	9	7,372	47.1%	30,165	0	0	11,448	37.3%	145,541
Solidified Inorganics	IN	IN-W179.1084	100%	4.58	1.2	22	27	18,842	40.7%	175,733	0	0	7,372	47.1%	30,165	22	27	11,470	37.4%	145,568
Solidified Inorganics	RF	RF-TT0823	0%	7.07	1.1	34	36	18,876	40.8%	175,770	34	36	7,406	47.3%	30,202	0	0	11,470	37.4%	145,568
Solidified Inorganics	IN	IN-W166.928	100%	56.78	1.0	273	275	19,149	41.3%	176,045	0	0	7,406	47.3%	30,202	273	275	11,743	38.3%	145,843
Solidified Inorganics	IN	IN-W166.151	0%	16.00	1.0	77	77	19,226	41.5%	176,122	77	77	7,483	47.8%	30,279	0	0	11,743	38.3%	145,843
Solidified Inorganics	MD	MD-W002	100%	1.87	0.9	9	8	19,235	41.5%	176,130	0	0	7,483	47.8%	30,279	9	8	11,752	38.3%	145,851
Solidified Inorganics	RL	RL-W383	100%	9.45	0.8	45	37	19,280	41.6%	176,166	0	0	7,483	47.8%	30,279	45	37	11,797	38.5%	145,887
Solidified Inorganics	IN	IN-W187.1094	0%	0.68	0.8	3	3	19,284	41.6%	176,169	3	3	7,486	47.8%	30,282	0	0	11,797	38.5%	145,887
Solidified Inorganics	IN	IN-W347.646	100%	51.79	0.7	249	165	19,533	42.2%	176,334	0	0	7,486	47.8%	30,282	249	165	12,046	39.3%	146,052
Solidified Inorganics	IN	IN-W347.818	0%	3.44	0.7	17	11	19,549	42.2%	176,344	17	11	7,503	47.9%	30,293	0	0	12,046	39.3%	146,052
Solidified Inorganics	IN	IN-W247.523	100%	173.68	0.5	835	443	20,384	44.0%	176,787	0	0	7,503	47.9%	30,293	835	443	12,881	42.0%	146,494
Solidified Inorganics	IN	IN-W221.927	0%	3.65	0.4	18	8	20,402	44.0%	176,795	18	8	7,520	48.0%	30,300	0	0	12,881	42.0%	146,494
Solidified Inorganics	IN	IN-W221.113	100%	11.65	0.4	56	25	20,458	44.2%	176,819	0	0	7,520	48.0%	30,300	56	25	12,937	42.2%	146,519
Solidified Inorganics	LL	LL-T001	0%	14.35	0.4	69	26	20,527	44.3%	176,846	69	26	7,589	48.5%	30,327	0	0	12,937	42.2%	146,519
Solidified Inorganics	LA	LA-M002	100%	3,053.53	0.4	14680	5446	35,207	76.0%	182,291	0	0	7,589	48.5%	30,327	14680	5446	27,618	90.0%	151,965
Solidified Inorganics	IN	IN-W188.1093	100%	1.04	0.3	5	2	35,212	76.0%	182,293	0	0	7,589	48.5%	30,327	5	2	27,623	90.1%	151,966
Solidified Inorganics	IN	IN-W188.160	0%	0.68	0.3	3	1	35,215	76.0%	182,294	3	1	7,592	48.5%	30,328	0	0	27,623	90.1%	151,966
Solidified Inorganics	IN	IN-W263.520	100%	14.35	0.3	69	19	35,284	76.2%	182,313	0	0	7,592	48.5%	30,328	69	19	27,692	90.3%	151,985
Solidified Inorganics	IN	IN-W218.909	0%	101.91	0.2	490	107	35,774	77.2%	182,420	490	107	8,082	51.6%	30,435	0	0	27,692	90.3%	151,985
Solidified Inorganics	IN	IN-W257.947	0%	0.68	0.2	3	1	35,778	77.2%	182,421	3	1	8,086	51.7%	30,436	0	0	27,692	90.3%	151,985
Solidified Inorganics	LA	LA-W003	0%	1,277.48	0.2	6142	1016	41,919	90.5%	183,436	6138	1015	14,223	90.9%	31,451	4	1	27,696	90.3%	151,986
Solidified Inorganics	IN	IN-W228.101	0%	287.33	0.1	1381	150	43,301	93.5%	183,587	1381	150	15,605	99.7%	31,601	0	0	27,696	90.3%	151,986
Solidified Inorganics	IN	IN-W228.883	100%	608.82	0.1	2927	319	46,228	99.8%	183,906	0	0	15,605	99.7%	31,601	2927	319	30,623	99.8%	152,305
Solidified Inorganics	IN	IN-W181.162	100%	9.57	0.1	46	4	46,274	99.9%	183,910	0	0	15,605	99.7%	31,601	46	4	30,669	100.0%	152,308
Solidified Inorganics	IN	IN-W375.1096	0%	4.48	0.1	22	1	46,295	99.9%	183,911	22	1	15,626	99.8%	31,602	0	0	30,669	100.0%	152,308
Solidified Inorganics	IN	IN-W353.859	0%	0.68	0.0	3	0	46,299	100.0%	183,911	3	0	15,630	99.9%	31,602	0	0	30,669	100.0%	152,308
Solidified Inorganics	IN	IN-W353.917	100%	0.21	0.0	1	0	46,300	100.0%	183,911	0	0	15,630	99.9%	31,602	1	0	30,670	100.0%	152,309
Solidified Inorganics	MD	MD-T001	0%	4.16	0.0	20	0	46,320	100.0%	183,911	20	0	15,650	100.0%	31,603	0	0	30,670	100.0%	152,309
Solidified Inorganics	RL	RL-W281	0%	0.37	0.0	2	0	46,321	100.0%	183,911	2	0	15,651	100.0%	31,603	0	0	30,670	100.0%	152,309

Table A-2, Generator Waste Stream Totals Sorted by Final Waste Form and Average PE-Ci/Drum																				
Source: TWBIR Database Query, 20 June 96						Total of All Stored Drums					Stored Not to be Processed					Stored To be Processed				
Final Waste Form	SITE	TWBIR_ID	% to be Processed	Stored m3	Av. PE-Ci / Drum	Equip. Stored Drums	Total Pe-Ci	Cum. Equip. Drums	Drum Percentile	Cum. PE-Ci	Total Equip. Drums	Total Pe-Ci	Cum. Equip. Drums	Drum Percentile	Cum. PE-Ci	Total Equip. Drums	Total Pe-Ci	Cum. Equip. Drums	Drum Percentile	Cum. PE-Ci
Final Waste Form Average PE-Ci/drum						4.0 PE-Ci/drum					2.0 PE-Ci/drum					5.0 PE-Ci/drum				
Solidified Organics	IN	IN-W321.1023	0%	1.30	9.2	6	58	6	0.1%	58	6	58	6	0.6%	58	0	0	0	0.0%	0
Solidified Organics	IN	IN-W319.584	0%	0.68	4.6	3	15	10	0.2%	73	3	15	10	0.9%	73	0	0	0	0.0%	0
Solidified Organics	IN	IN-W317.757	100%	39.10	3.3	188	619	198	4.5%	691	0	0	10	0.9%	73	188	619	188	5.7%	619
Solidified Organics	IN	IN-W317.758	0%	11.51	3.3	55	182	253	5.8%	874	55	182	65	6.0%	255	0	0	188	5.7%	619
Solidified Organics	RF	RF-MT0801	0%	108.99	3.0	524	1553	777	17.7%	2,426	524	1553	589	54.7%	1,808	0	0	188	5.7%	619
Solidified Organics	RF	RF-MT0003	0%	0.62	3.0	3	9	780	17.8%	2,435	3	9	592	55.0%	1,816	0	0	188	5.7%	619
Solidified Organics	RL	RL-W285	0%	1.21	2.8	6	16	786	17.9%	2,451	6	16	598	55.5%	1,833	0	0	188	5.7%	619
Solidified Organics	RL	RL-W348	0%	0.21	0.9	1	1	787	17.9%	2,452	1	1	599	55.6%	1,833	0	0	188	5.7%	619
Solidified Organics	RL	RL-W380	0%	0.21	0.8	1	1	788	18.0%	2,453	1	1	600	55.7%	1,834	0	0	188	5.7%	619
Solidified Organics	LA	LA-T002	0%	1.46	0.6	7	4	795	18.1%	2,457	7	4	607	56.3%	1,838	0	0	188	5.7%	619
Solidified Organics	RF	RF-MT0375	0%	0.21	0.4	1	0	796	18.1%	2,457	1	0	608	56.4%	1,839	0	0	188	5.7%	619
Solidified Organics	LL	LL-W019	0%	1.04	0.3	5	2	801	18.2%	2,459	5	2	613	56.9%	1,840	0	0	188	5.7%	619
Solidified Organics	IN	IN-W157.906	100%	163.70	0.3	787	212	1,588	36.2%	2,671	0	0	613	56.9%	1,840	787	212	975	29.4%	831
Solidified Organics	IN	IN-W157.144	0%	49.92	0.3	240	65	1,828	41.7%	2,736	240	65	853	79.2%	1,905	0	0	975	29.4%	831
Solidified Organics	RL	RL-W345	0%	2.08	0.3	10	3	1,838	41.9%	2,739	10	3	863	80.1%	1,908	0	0	975	29.4%	831
Solidified Organics	IN	IN-W167.926	100%	131.46	0.2	632	145	2,470	56.3%	2,883	0	0	863	80.1%	1,908	632	145	1,607	48.5%	976
Solidified Organics	IN	IN-W167.149	0%	36.68	0.2	176	40	2,646	60.3%	2,924	176	40	1,039	96.5%	1,948	0	0	1,607	48.5%	976
Solidified Organics	RL	RL-W333	0%	1.25	0.2	6	1	2,652	60.4%	2,925	6	1	1,045	97.0%	1,949	0	0	1,607	48.5%	976
Solidified Organics	RL	RL-W329	0%	2.08	0.2	10	2	2,662	60.7%	2,927	10	2	1,055	98.0%	1,951	0	0	1,607	48.5%	976
Solidified Organics	RL	RL-W326	0%	1.87	0.2	9	2	2,671	60.9%	2,929	9	2	1,064	98.8%	1,953	0	0	1,607	48.5%	976
Solidified Organics	IN	IN-W309.610	100%	352.77	0.1	1696	200	4,367	99.5%	3,129	0	0	1,064	98.8%	1,953	1696	200	3,303	99.8%	1,176
Solidified Organics	RL	RL-W280	0%	0.21	0.1	1	0	4,368	99.5%	3,129	1	0	1,065	98.9%	1,953	0	0	3,303	99.8%	1,176
Solidified Organics	RL	RL-W286	0%	0.21	0.1	1	0	4,369	99.6%	3,129	1	0	1,066	99.0%	1,953	0	0	3,303	99.8%	1,176
Solidified Organics	IN	IN-W164.1060	100%	1.66	0.1	8	1	4,377	99.8%	3,130	0	0	1,066	99.0%	1,953	8	1	3,311	100.0%	1,177
Solidified Organics	IN	IN-W164.153	0%	0.89	0.1	4	0	4,381	99.8%	3,131	4	0	1,070	99.4%	1,954	0	0	3,311	100.0%	1,177
Solidified Organics	RL	RL-W338	0%	0.21	0.1	1	0	4,382	99.9%	3,131	1	0	1,071	99.5%	1,954	0	0	3,311	100.0%	1,177
Solidified Organics	RL	RL-W344	0%	0.21	0.1	1	0	4,383	99.9%	3,131	1	0	1,072	99.6%	1,954	0	0	3,311	100.0%	1,177
Solidified Organics	RL	RL-W361	0%	0.62	0.1	3	0	4,386	100.0%	3,131	3	0	1,075	99.9%	1,954	0	0	3,311	100.0%	1,177
Solidified Organics	RL	RL-W282	0%	0.33	0.0	2	0	4,388	100.0%	3,131	2	0	1,077	100.0%	1,954	0	0	3,311	100.0%	1,177
Final Waste Form Average PE-Ci/drum						0.7 PE-Ci/drum					1.8 PE-Ci/drum					0.4 PE-Ci/drum				
Uncategorized Metal	IN	IN-W371.1018	100%	0.21	127.9	1	128	1	0.0%	128	0	0	0	0.0%	0	1	128	1	0.0%	128
Uncategorized Metal	IN	IN-W371.831	0%	0.68	127.9	3	419	4	0.0%	546	3	419	3	0.1%	419	0	0	1	0.0%	128
Uncategorized Metal	IN	IN-W280.1066	100%	28.50	121.2	137	16598	141	0.3%	17,145	0	0	3	0.1%	419	137	16598	138	0.3%	16,726
Uncategorized Metal	IN	IN-W280.448	0%	8.34	121.2	40	4857	181	0.3%	22,001	40	4857	43	1.3%	5,275	0	0	138	0.3%	16,726
Uncategorized Metal	IN	IN-W358.855	100%	3.33	120.1	16	1921	197	0.4%	23,922	0	0	43	1.3%	5,275	16	1921	154	0.3%	18,647
Uncategorized Metal	IN	IN-W358.854	0%	0.89	120.1	4	513	202	0.4%	24,435	4	513	48	1.4%	5,788	0	0	154	0.3%	18,647
Uncategorized Metal	IN	IN-W159.119	100%	0.21	47.2	1	47	203	0.4%	24,482	0	0	48	1.4%	5,788	1	47	155	0.3%	18,694
Uncategorized Metal	IN	IN-W214.756	100%	0.21	46.0	1	46	204	0.4%	24,528	0	0	48	1.4%	5,788	1	46	156	0.3%	18,740
Uncategorized Metal	IN	IN-W280.449	100%	0.21	40.4	1	40	205	0.4%	24,569	0	0	48	1.4%	5,788	1	40	157	0.3%	18,781
Uncategorized Metal	IN	IN-W249.528	100%	0.21	35.6	1	36	206	0.4%	24,604	0	0	48	1.4%	5,788	1	36	158	0.3%	18,816
Uncategorized Metal	RF	RF-MT0320	0%	1.46	33.9	7	238	213	0.4%	24,842	7	238	55	1.6%	6,026	0	0	158	0.3%	18,816
Uncategorized Metal	IN	IN-W213.253	100%	0.21	33.1	1	33	214	0.4%	24,875	0	0	55	1.6%	6,026	1	33	159	0.3%	18,849
Uncategorized Metal	IN	IN-W359.853	100%	0.83	25.1	4	100	218	0.4%	24,975	0	0	55	1.6%	6,026	4	100	163	0.3%	18,950
Uncategorized Metal	SR	W027-772F-MET	100%	32.13	21.5	154	3318	372	0.7%	28,293	0	0	55	1.6%	6,026	154	3318	317	0.7%	22,268

Table A-2, Generator Waste Stream Totals Sorted by Final Waste Form and Average PE-Ci/Drum																				
Source: TWBIR Database Query, 20 June 96					Total of All Stored Drums					Stored Not to be Processed					Stored To be Processed					
Final Waste Form	SITE	TWBIR_ID	% to be Processed	Stored m3	Av. PE-Ci / Drum	Equip. Stored Drums	Total Pe-Ci	Cum. Equip. Drums	Drum Percentile	Cum. PE-Ci	Total Equip. Drums	Total Pe-Ci	Cum. Equip. Drums	Drum Percentile	Cum. PE-Ci	Total Equip. Drums	Total Pe-Ci	Cum. Equip. Drums	Drum Percentile	Cum. PE-Ci
Uncategorized Metal	SR	W027-773A-MET	100%	7.56	21.5	36	781	408	0.8%	29,074	0	0	55	1.6%	6,026	36	781	354	0.7%	23,048
Uncategorized Metal	SR	W027-221F-MET	100%	1.89	21.5	9	195	418	0.8%	29,269	0	0	55	1.6%	6,026	9	195	363	0.7%	23,244
Uncategorized Metal	SR	W027-221H-MET	100%	1.89	21.5	9	195	427	0.8%	29,465	0	0	55	1.6%	6,026	9	195	372	0.8%	23,439
Uncategorized Metal	SR	W027-235F-MET	100%	1.89	21.5	9	195	436	0.8%	29,660	0	0	55	1.6%	6,026	9	195	381	0.8%	23,634
Uncategorized Metal	RF	RF-TT0320	0%	4.58	15.5	22	342	458	0.9%	30,001	22	342	77	2.3%	6,367	0	0	381	0.8%	23,634
Uncategorized Metal	SR	T001-221F-MET	100%	23.81	12.5	114	1427	572	1.1%	31,428	0	0	77	2.3%	6,367	114	1427	496	1.0%	25,061
Uncategorized Metal	SR	T001-221H-MET	100%	0.79	12.1	4	46	576	1.1%	31,475	0	0	77	2.3%	6,367	4	46	499	1.0%	25,107
Uncategorized Metal	SR	T001-773A-MET	100%	0.38	12.0	2	22	578	1.1%	31,496	0	0	77	2.3%	6,367	2	22	501	1.0%	25,129
Uncategorized Metal	IN	IN-W304.861	100%	59.07	10.4	284	2949	862	1.7%	34,446	0	0	77	2.3%	6,367	284	2949	785	1.6%	28,079
Uncategorized Metal	IN	IN-W304.860	0%	8.75	10.4	42	437	904	1.7%	34,883	42	437	119	3.5%	6,804	0	0	785	1.6%	28,079
Uncategorized Metal	LA	LA-W005	98%	214.71	8.6	1032	8921	1,936	3.7%	43,804	19	168	138	4.1%	6,973	1013	8753	1,798	3.7%	36,831
Uncategorized Metal	RF	RF-TT0481	0%	0.21	7.3	1	7	1,937	3.7%	43,811	1	7	139	4.2%	6,980	0	0	1,798	3.7%	36,831
Uncategorized Metal	LA	LA-T005	97%	1,503.03	5.4	7226	38837	9,163	17.6%	82,648	216	1163	356	10.6%	8,143	7010	37674	8,808	18.1%	74,506
Uncategorized Metal	RF	RF-TT0824	0%	9.78	4.0	47	190	9,210	17.7%	82,839	47	190	403	12.0%	8,333	0	0	8,808	18.1%	74,506
Uncategorized Metal	RF	RF-TT0480	0%	77.29	4.0	372	1481	9,582	18.4%	84,320	372	1481	774	23.1%	9,815	0	0	8,808	18.1%	74,506
Uncategorized Metal	RL	RL-W299	0%	0.62	3.4	3	10	9,585	18.4%	84,330	3	10	777	23.2%	9,825	0	0	8,808	18.1%	74,506
Uncategorized Metal	IN	IN-W271.533	100%	0.21	3.4	1	3	9,586	18.4%	84,334	0	0	777	23.2%	9,825	1	3	8,809	18.1%	74,509
Uncategorized Metal	IN	IN-W298.317	100%	54.70	3.4	263	883	9,849	18.9%	85,217	0	0	777	23.2%	9,825	263	883	9,072	18.6%	75,392
Uncategorized Metal	RL	RL-W295	0%	1.87	2.8	9	25	9,858	18.9%	85,241	9	25	786	23.5%	9,850	0	0	9,072	18.6%	75,392
Uncategorized Metal	RL	RL-W297	0%	1.66	2.8	8	22	9,866	18.9%	85,264	8	22	794	23.7%	9,872	0	0	9,072	18.6%	75,392
Uncategorized Metal	RL	RL-W288	0%	1.04	2.8	5	14	9,871	18.9%	85,277	5	14	799	23.9%	9,886	0	0	9,072	18.6%	75,392
Uncategorized Metal	RL	RL-W291	94%	7.98	2.8	38	106	9,909	19.0%	85,384	2	6	801	23.9%	9,892	36	100	9,108	18.7%	75,492
Uncategorized Metal	RL	RL-W396	0%	0.21	2.5	1	2	9,910	19.0%	85,386	1	2	802	24.0%	9,894	0	0	9,108	18.7%	75,492
Uncategorized Metal	RL	RL-W399	0%	0.21	1.9	1	2	9,911	19.0%	85,388	1	2	803	24.0%	9,896	0	0	9,108	18.7%	75,492
Uncategorized Metal	IN	IN-W342.652	0%	0.68	1.7	3	6	9,914	19.0%	85,394	3	6	807	24.1%	9,902	0	0	9,108	18.7%	75,492
Uncategorized Metal	IN	IN-W342.953	100%	0.42	1.7	2	3	9,916	19.0%	85,397	0	0	807	24.1%	9,902	2	3	9,110	18.7%	75,495
Uncategorized Metal	MD	MD-T007	78%	23.89	1.6	115	183	10,031	19.3%	85,580	25	40	831	24.8%	9,941	90	143	9,200	18.9%	75,639
Uncategorized Metal	RL	RL-W395	41%	23.39	1.6	112	176	10,144	19.5%	85,756	66	103	897	26.8%	10,045	46	73	9,246	19.0%	75,712
Uncategorized Metal	IN	IN-W204.217	100%	0.21	1.1	1	1	10,145	19.5%	85,757	0	0	897	26.8%	10,045	1	1	9,247	19.0%	75,713
Uncategorized Metal	RL	RL-W390	0%	0.62	1.0	3	3	10,148	19.5%	85,760	3	3	900	26.9%	10,048	0	0	9,247	19.0%	75,713
Uncategorized Metal	RL	RL-W386	0%	0.42	1.0	2	2	10,150	19.5%	85,762	2	2	902	27.0%	10,050	0	0	9,247	19.0%	75,713
Uncategorized Metal	RL	RL-W355	0%	2.08	1.0	10	10	10,160	19.5%	85,773	10	10	912	27.3%	10,060	0	0	9,247	19.0%	75,713
Uncategorized Metal	RL	RL-W370	0%	0.42	1.0	2	2	10,162	19.5%	85,775	2	2	914	27.3%	10,062	0	0	9,247	19.0%	75,713
Uncategorized Metal	RL	RL-W346	0%	0.42	0.9	2	2	10,164	19.5%	85,776	2	2	916	27.4%	10,064	0	0	9,247	19.0%	75,713
Uncategorized Metal	RL	RL-W350	0%	0.21	0.9	1	1	10,165	19.5%	85,777	1	1	917	27.4%	10,065	0	0	9,247	19.0%	75,713
Uncategorized Metal	RL	RL-W385	0%	8.11	0.8	39	33	10,204	19.6%	85,810	39	33	956	28.6%	10,097	0	0	9,247	19.0%	75,713
Uncategorized Metal	RL	RL-W402	0%	1.25	0.8	6	5	10,210	19.6%	85,815	6	5	962	28.7%	10,102	0	0	9,247	19.0%	75,713
Uncategorized Metal	IN	IN-W294.342	100%	406.85	0.8	1956	1608	12,166	23.4%	87,423	0	0	962	28.7%	10,102	1956	1608	11,203	23.0%	77,321
Uncategorized Metal	IN	IN-W294.814	0%	33.50	0.8	161	132	12,327	23.7%	87,555	161	132	1,123	33.6%	10,235	0	0	11,203	23.0%	77,321
Uncategorized Metal	IN	IN-W287.460	0%	211.95	0.6	1019	636	13,346	25.6%	88,191	1019	636	2,142	64.0%	10,870	0	0	11,203	23.0%	77,321
Uncategorized Metal	RL	RL-W362	0%	2.91	0.6	14	8	13,360	25.6%	88,199	14	8	2,156	64.4%	10,878	0	0	11,203	23.0%	77,321
Uncategorized Metal	RL	RL-W363	0%	0.21	0.5	1	1	13,361	25.6%	88,199	1	1	2,157	64.4%	10,879	0	0	11,203	23.0%	77,321
Uncategorized Metal	RL	RL-W369	68%	33.50	0.5	161	81	13,522	26.0%	88,281	52	26	2,210	66.0%	10,905	109	55	11,312	23.2%	77,375
Uncategorized Metal	RL	RL-W307	100%	1.89	0.5	9	4	13,531	26.0%	88,285	0	0	2,210	66.0%	10,905	9	4	11,321	23.2%	77,380
Uncategorized Metal	RL	RL-W319	100%	7.56	0.5	36	17	13,567	26.0%	88,302	0	0	2,210	66.0%	10,905	36	17	11,358	23.3%	77,397
Uncategorized Metal	RL	RL-W324	100%	3.78	0.5	18	9	13,586	26.1%	88,311	0	0	2,210	66.0%	10,905	18	9	11,376	23.3%	77,406
Uncategorized Metal	RL	RL-W334	0%	0.21	0.5	1	0	13,587	26.1%	88,311	1	0	2,211	66.0%	10,906	0	0	11,376	23.3%	77,406

Table A-2, Generator Waste Stream Totals Sorted by Final Waste Form and Average PE-Ci/Drum																				
Source: TWBIR Database Query, 20 June 96					Total of All Stored Drums					Stored Not to be Processed					Stored To be Processed					
Final Waste Form	SITE	TWBIR_ID	% to be Processed	Stored m3	Av. PE-Ci / Drum	Equiv. Stored Drums	Total Pe-Ci	Cum. Equiv. Drums	Drum Percentile	Cum. PE-Ci	Total Equiv. Drums	Total Pe-Ci	Cum. Equiv. Drums	Drum Percentile	Cum. PE-Ci	Total Equiv. Drums	Total Pe-Ci	Cum. Equiv. Drums	Drum Percentile	Cum. PE-Ci
Uncategorized Metal	IN	IN-W300.930	0%	4.69	0.5	23	11	13,609	26.1%	88,322	23	11	2,233	66.7%	10,916	0	0	11,376	23.3%	77,406
Uncategorized Metal	IN	IN-W300.308	100%	1,509.46	0.5	7257	3466	20,866	40.1%	91,788	0	0	2,233	66.7%	10,916	7257	3466	18,633	38.2%	80,872
Uncategorized Metal	LA	LA-W001	96%	2,203.35	0.5	10593	5017	31,459	60.4%	96,806	406	193	2,640	78.9%	11,109	10187	4825	28,819	59.1%	85,697
Uncategorized Metal	RL	RL-W375	96%	21.62	0.4	104	37	31,563	60.6%	96,842	4	1	2,644	79.0%	11,110	100	35	28,919	59.3%	85,732
Uncategorized Metal	RL	RL-W374	59%	182.40	0.3	877	305	32,440	62.3%	97,147	359	125	3,003	89.7%	11,235	518	180	29,437	60.4%	85,912
Uncategorized Metal	RL	RL-W308	0%	0.42	0.3	2	1	32,442	62.3%	97,148	2	1	3,005	89.8%	11,236	0	0	29,437	60.4%	85,912
Uncategorized Metal	LA	LA-T009	100%	53.54	0.3	257	67	32,699	62.8%	97,215	0	0	3,005	89.8%	11,236	257	67	29,694	60.9%	85,979
Uncategorized Metal	RL	RL-W330	100%	32.13	0.2	154	35	32,854	63.1%	97,250	0	0	3,005	89.8%	11,236	154	35	29,849	61.2%	86,014
Uncategorized Metal	RL	RL-W327	100%	66.15	0.2	318	69	33,172	63.7%	97,319	0	0	3,005	89.8%	11,236	318	69	30,167	61.9%	86,083
Uncategorized Metal	RL	RL-W313	82%	9.22	0.2	44	10	33,216	63.8%	97,329	8	2	3,013	90.0%	11,238	36	8	30,203	62.0%	86,091
Uncategorized Metal	RL	RL-W320	0%	1.66	0.2	8	2	33,224	63.8%	97,331	8	2	3,021	90.2%	11,239	0	0	30,203	62.0%	86,091
Uncategorized Metal	IN	IN-W296.327	100%	3,450.30	0.2	16588	3187	49,812	95.6%	100,518	0	0	3,021	90.2%	11,239	16588	3187	46,791	96.0%	89,279
Uncategorized Metal	IN	IN-W296.813	0%	47.99	0.2	231	44	50,043	96.1%	100,562	231	44	3,252	97.1%	11,283	0	0	46,791	96.0%	89,279
Uncategorized Metal	LA	LA-T001	98%	95.96	0.2	461	79	50,504	96.9%	100,641	10	2	3,262	97.4%	11,285	452	77	47,243	96.9%	89,356
Uncategorized Metal	LA	LA-W009	100%	143.85	0.1	692	97	51,196	98.3%	100,738	1	0	3,263	97.5%	11,285	691	97	47,933	98.3%	89,453
Uncategorized Metal	RL	RL-W341	0%	0.21	0.1	1	0	51,197	98.3%	100,738	1	0	3,264	97.5%	11,285	0	0	47,933	98.3%	89,453
Uncategorized Metal	IN	IN-W203.212	100%	0.21	0.1	1	0	51,198	98.3%	100,738	0	0	3,264	97.5%	11,285	1	0	47,934	98.3%	89,453
Uncategorized Metal	MD	MD-T006	100%	58.59	0.1	282	18	51,480	98.8%	100,756	0	0	3,264	97.5%	11,285	282	18	48,216	98.9%	89,471
Uncategorized Metal	RL	RL-W359	0%	16.64	0.1	80	5	51,560	99.0%	100,761	80	5	3,344	99.9%	11,290	0	0	48,216	98.9%	89,471
Uncategorized Metal	IN	IN-W228.103	100%	31.82	0.0	153	6	51,713	99.3%	100,766	0	0	3,344	99.9%	11,290	153	6	48,369	99.2%	89,476
Uncategorized Metal	RL	RL-W373	99%	80.21	0.0	386	10	52,098	100.0%	100,776	4	0	3,348	100.0%	11,290	382	9	48,751	100.0%	89,486
Final Waste Form Average PE-Ci/drum					1.9 PE-Ci/drum					3.4 PE-Ci/drum					1.8 PE-Ci/drum					
Unknown	OR	OR-W049	91%	17.68	32.1	85	2727	85	26.8%	2,727	8	256	8	6.2%	256	77	2472	77	41.1%	2,472
Unknown	MD	MD-T004	85%	26.84	6.2	129	797	214	67.5%	3,524	19	120	27	21.2%	376	110	676	187	99.5%	3,148
Unknown	RL	RL-W284	0%	0.42	2.6	2	5	216	68.2%	3,529	2	5	29	22.8%	381	0	0	187	99.5%	3,148
Unknown	RL	RL-W391	0%	0.42	1.0	2	2	218	68.8%	3,531	2	2	31	24.3%	383	0	0	187	99.5%	3,148
Unknown	RL	RL-W366	0%	1.46	0.6	7	4	225	71.0%	3,536	7	4	38	29.7%	388	0	0	187	99.5%	3,148
Unknown	RL	RL-W332	100%	0.20	0.5	1	0	226	71.3%	3,536	0	0	38	29.7%	388	1	0	188	100.0%	3,149
Unknown	RL	RL-W382	0%	18.72	0.3	90	30	316	99.7%	3,567	90	30	128	99.2%	418	0	0	188	100.0%	3,149
Unknown	RL	RL-W357	0%	0.21	0.0	1	0	317	100.0%	3,567	1	0	129	100.0%	418	0	0	188	100.0%	3,149
Final Waste Form Average PE-Ci/drum					11.3 PE-Ci/drum					3.2 PE-Ci/drum					16.8 PE-Ci/drum					
Various RF Residues	RF	RF-RESIDUES	100%	4,181.91	18.2	20105	366439	20,105	0.0%	366,439	0	0	0	0.0%	0	20105	366439	20,105	100.0%	366,439

Table A-3, Generator Waste Stream Totals Sorted by Average PE-Ci/Drum														
Source: TWBIR Database Query, 20 June 96			Concentration of Selected Isotopes (per equivalent drum based on scaled volumes)							Cumulative Total of All Stored Drums				
Final Waste Form	SITE	TWBIR_ID	Av. PE-Ci / Drum	Am-241 PE-Ci WF=1.0	Cm-244 PE-Ci WF=1.9	Pu-238 PE-Ci WF=1.13	Pu-239 PE-Ci WF=1.0	Pu-240 PE-Ci WF=1.0	Pu-241 PE-Ci WF=52.0	Equiv. Stored Drums	Total Pe-Ci	Cum. Equiv. Drums	Drum Percentile	Cum. PE-Ci
Inorganic Non-Metal	IN	IN-W213.252	1655.1	0.0	0.0	1600.7	10.7	0.0	0.0	2	3310	2	0.0%	3,310
Inorganic Non-Metal	IN	IN-W321.578	924.4	0.0	0.0	22.2	693.7	153.1	54.9	1	924	3	0.0%	4,235
Heterogeneous	SR-OFF	W027-999-HET	788.4	0.5	0.0	765.9	0.6	0.3	0.1	133	104853	136	0.0%	109,088
Solidified Inorganics	SR-OFF	W027-999-VIT	511.8	0.3	0.0	497.6	0.0	0.2	0.1	153	78373	289	0.1%	187,461
Inorganic Non-Metal	IN	IN-W319.583	456.9	0.0	0.0	10.9	342.9	75.7	27.1	1	457	290	0.1%	187,918
Inorganic Non-Metal	IN	IN-W358.948	400.1	0.0	0.0	384.1	1.9	3.6	0.0	1	400	291	0.1%	188,318
Inorganic Non-Metal	IN	IN-W367.840	379.7	0.0	0.0	9.1	284.9	62.9	22.5	1	380	292	0.1%	188,698
Inorganic Non-Metal	IN	IN-W159.120	282.9	0.0	0.0	273.2	2.2	0.0	0.0	2	566	294	0.1%	189,263
Inorganic Non-Metal	IN	IN-W281.488	273.7	0.0	0.0	265.0	1.4	0.0	0.0	3	821	297	0.1%	190,084
Inorganic Non-Metal	IN	IN-W252.1000	191.1	6.0	0.0	4.4	139.0	30.7	11.0	1	191	298	0.1%	190,275
Inorganic Non-Metal	IN	IN-W329.682	145.3	0.0	0.0	141.4	0.1	0.0	0.0	1	145	299	0.1%	190,421
Solidified Inorganics	IN	IN-W159.1072	141.5	0.0	0.0	136.6	1.1	0.0	0.0	3	463	302	0.1%	190,884
Filter	IN	IN-W214.1075	138.0	0.0	0.0	133.1	1.3	0.0	0.0	3	414	305	0.1%	191,298
Filter	IN	IN-W214.755	138.0	0.0	0.0	133.1	1.3	0.0	0.0	3	452	309	0.1%	191,749
Uncategorized Metal	IN	IN-W371.1018	127.9	116.0	0.0	0.3	9.0	2.0	0.7	1	128	310	0.1%	191,877
Uncategorized Metal	IN	IN-W371.831	127.9	116.0	0.0	0.3	9.0	2.0	0.7	3	419	313	0.1%	192,296
Uncategorized Metal	IN	IN-W280.1066	121.2	0.0	0.0	117.1	0.9	0.0	0.0	137	16598	450	0.2%	208,894
Uncategorized Metal	IN	IN-W280.448	121.2	0.0	0.0	117.1	0.9	0.0	0.0	40	4857	490	0.2%	213,751
Uncategorized Metal	IN	IN-W358.855	120.1	0.0	0.0	115.2	0.6	1.1	0.0	16	1921	506	0.2%	215,671
Uncategorized Metal	IN	IN-W358.854	120.1	0.0	0.0	115.2	0.6	1.1	0.0	4	513	510	0.2%	216,184
Inorganic Non-Metal	IN	IN-W254.1044	110.7	0.0	0.0	2.7	83.1	18.3	6.6	1	111	511	0.2%	216,295
Inorganic Non-Metal	IN	IN-W249.1071	106.9	0.0	0.0	103.2	0.8	0.0	0.0	11	1176	522	0.2%	217,471
Inorganic Non-Metal	IN	IN-W249.527	106.9	0.0	0.0	103.2	0.8	0.0	0.0	5	563	528	0.2%	218,034
Filter	IN	IN-W213.1069	99.3	0.0	0.0	96.1	0.6	0.0	0.0	9	921	537	0.2%	218,955
Inorganic Non-Metal	IN	IN-W368.839	97.4	0.0	0.0	2.3	73.1	16.1	5.8	1	97	538	0.2%	219,052
Solidified Inorganics	SR	W006-773A-VIT	94.9	0.0	0.0	0.0	94.9	0.0	0.0	2	236	540	0.2%	219,289
Inorganic Non-Metal	IN	IN-W199.209	94.7	0.0	0.0	2.3	71.1	15.7	5.6	1	95	541	0.2%	219,384
Inorganic Non-Metal	IN	IN-W365.842	62.8	51.4	0.0	0.3	8.5	1.9	0.7	5	314	546	0.2%	219,697
Inorganic Non-Metal	IN	IN-W207.238	60.8	0.0	0.0	1.5	45.6	10.1	3.6	1	61	547	0.2%	219,758
Inorganic Non-Metal	IN	IN-W198.203	60.2	37.5	0.0	0.5	17.0	3.8	1.3	1	60	548	0.2%	219,818
Inorganic Non-Metal	IN	IN-W211.249	50.3	3.0	0.0	1.1	35.5	7.8	2.8	108	5433	656	0.2%	225,252
Uncategorized Metal	IN	IN-W159.119	47.2	0.0	0.0	45.5	0.4	0.0	0.0	1	47	657	0.2%	225,299
Uncategorized Metal	IN	IN-W214.756	46.0	0.0	0.0	44.4	0.4	0.0	0.0	1	46	658	0.2%	225,345
Heterogeneous	IN	IN-W350.650	43.7	0.0	0.0	0.0	11.0	32.7	0.0	3	143	662	0.2%	225,488

Table A-3, Generator Waste Stream Totals Sorted by Average PE-Ci/Drum														
Source: TWBIR Database Query, 20 June 96			Concentration of Selected Isotopes (per equivalent drum based on scaled volumes)							Cumulative Total of All Stored Drums				
Final Waste Form	SITE	TWBIR_ID	Av. PECi / Drum	Am-241 PE-Ci WF=1.0	Cm-244 PE-Ci WF=1.9	Pu-238 PE-Ci WF=1.13	Pu-239 PE-Ci WF=1.0	Pu-240 PE-Ci WF=1.0	Pu-241 PE-Ci WF=52.0	Equiv. Stored Drums	Total Pe-Ci	Cum. Equiv. Drums	Drum Percentile	Cum. PE-Ci
Heterogeneous	IN	IN-W350.923	43.7	0.0	0.0	0.0	11.0	32.7	0.0	1	44	663	0.2%	225,532
Uncategorized Metal	IN	IN-W280.449	40.4	0.0	0.0	39.0	0.3	0.0	0.0	1	40	664	0.2%	225,572
Inorganic Non-Metal	IN	IN-W197.196	36.5	19.0	0.0	0.4	13.1	2.9	1.0	11	401	675	0.2%	225,973
Uncategorized Metal	IN	IN-W249.528	35.6	0.0	0.0	34.4	0.3	0.0	0.0	1	36	676	0.2%	226,009
Salt Waste	IN	IN-W311.1013	35.4	26.2	0.0	0.2	6.9	1.5	0.5	26	921	702	0.2%	226,930
Salt Waste	IN	IN-W311.604	35.4	26.2	0.0	0.2	6.9	1.5	0.5	8	293	710	0.3%	227,223
Inorganic Non-Metal	IN	IN-W291.455	34.4	12.1	0.0	0.0	4.2	18.1	0.0	7	240	717	0.3%	227,464
Uncategorized Metal	RF	RF-MT0320	33.9	5.9	0.0	0.0	11.2	15.2	1.7	7	238	724	0.3%	227,701
Uncategorized Metal	IN	IN-W213.253	33.1	0.0	0.0	32.0	0.2	0.0	0.0	1	33	725	0.3%	227,735
Unknown	OR	OR-W049	32.1	0.0	0.0	31.2	0.0	0.0	0.0	85	2727	810	0.3%	230,462
Combustible	MD	MD-W017	31.7	0.0	0.0	30.8	0.1	0.0	0.0	7	222	817	0.3%	230,684
Solidified Inorganics	SR-OFF	W053-773A-VIT	29.6	0.0	0.0	0.0	29.6	0.0	0.0	2	74	819	0.3%	230,757
Inorganic Non-Metal	IN	IN-W373.830	27.9	0.0	0.0	0.7	21.0	4.6	1.7	1	28	820	0.3%	230,785
Inorganic Non-Metal	IN	IN-W209.244	27.2	0.0	0.0	0.7	20.4	4.5	1.6	15	409	835	0.3%	231,194
Heterogeneous	OR	OR-W045	26.5	0.0	0.0	1.7	9.2	13.0	2.5	26	688	861	0.3%	231,882
Inorganic Non-Metal	IN	IN-W265.517	26.4	0.2	0.0	0.6	19.7	4.3	1.6	3	79	864	0.3%	231,961
Combustible	RF	RF-MT2116	25.9	12.7	0.0	0.0	7.0	5.6	0.6	10	259	874	0.3%	232,220
Uncategorized Metal	IN	IN-W359.853	25.1	0.0	0.0	24.4	0.0	0.0	0.0	4	100	878	0.3%	232,320
Inorganic Non-Metal	IN	IN-W364.844	24.7	0.0	0.0	0.6	18.5	4.1	1.5	3	74	881	0.3%	232,394
Inorganic Non-Metal	IN	IN-W362.848	24.7	0.0	0.0	0.6	18.5	4.1	1.5	42	1037	923	0.3%	233,431
Inorganic Non-Metal	IN	IN-W169.192	24.0	8.7	0.0	0.4	11.5	2.5	0.9	70	1681	993	0.4%	235,112
Solidified Inorganics	IN	IN-W146.699	23.7	0.1	23.5	0.1	0.1	0.0	0.0	11	261	1,004	0.4%	235,373
Inorganic Non-Metal	IN	IN-W267.514	22.0	0.0	0.0	0.5	16.5	3.6	1.3	6	132	1,010	0.4%	235,505
Heterogeneous	IN	IN-W329.681	21.8	0.0	0.0	21.2	0.0	0.0	0.0	4	93	1,015	0.4%	235,598
Uncategorized Metal	SR	W027-772F-MET	21.5	0.3	0.0	19.0	1.4	0.2	0.1	154	3318	1,169	0.4%	238,916
Heterogeneous	SR	W027-772F-HET	21.5	0.3	0.0	19.0	1.4	0.2	0.1	2478	53230	3,647	1.3%	292,146
Heterogeneous	SR	W027-773A-HET	21.5	0.3	0.0	19.0	1.4	0.2	0.1	1592	34198	5,239	1.9%	326,344
Heterogeneous	SR	W027-221H-HET	21.5	0.3	0.0	19.0	1.4	0.2	0.1	603	12953	5,842	2.1%	339,298
Heterogeneous	SR	W027-235F-HET	21.5	0.3	0.0	19.0	1.4	0.2	0.1	167	3587	6,009	2.1%	342,885
Uncategorized Metal	SR	W027-773A-MET	21.5	0.3	0.0	19.0	1.4	0.2	0.1	36	781	6,045	2.1%	343,666
Uncategorized Metal	SR	W027-221F-MET	21.5	0.3	0.0	19.0	1.4	0.2	0.1	9	195	6,055	2.2%	343,861
Uncategorized Metal	SR	W027-221H-MET	21.5	0.3	0.0	19.0	1.4	0.2	0.1	9	195	6,064	2.2%	344,056
Uncategorized Metal	SR	W027-235F-MET	21.5	0.3	0.0	19.0	1.4	0.2	0.1	9	195	6,073	2.2%	344,251
Solidified Inorganics	SR	T001-773A-CLAS	21.5	0.3	0.0	19.0	1.4	0.2	0.1	22	473	6,095	2.2%	344,724

Table A-3, Generator Waste Stream Totals Sorted by Average PE-Ci/Drum														
Source: TWBIR Database Query, 20 June 96			Concentration of Selected Isotopes (per equivalent drum based on scaled volumes)							Cumulative Total of All Stored Drums				
Final Waste Form	SITE	TWBIR_ID	Av. PE-Ci / Drum	Am-241 PE-Ci WF=1.0	Cm-244 PE-Ci WF=1.9	Pu-238 PE-Ci WF=1.13	Pu-239 PE-Ci WF=1.0	Pu-240 PE-Ci WF=1.0	Pu-241 PE-Ci WF=52.0	Equiv. Stored Drums	Total Pe-Ci	Cum. Equiv. Drums	Drum Percentile	Cum. PE-Ci
Heterogeneous	SR	W027-221F-HET	21.5	0.3	0.0	19.0	1.4	0.2	0.1	1277	27431	7,372	2.6%	372,155
Heterogeneous	RL	RL-T132	21.0	0.0	0.0	0.4	16.3	3.8	0.4	138	2900	7,510	2.7%	375,055
Inorganic Non-Metal	IN	IN-W348.846	20.9	0.0	0.0	0.5	15.7	3.5	1.2	20	418	7,530	2.7%	375,473
Filter	RF	RF-TT0491	18.9	0.0	0.0	0.0	10.5	7.6	0.8	77	1456	7,607	2.7%	376,929
Inorganic Non-Metal	IN	IN-W365.1010	18.8	15.4	0.0	0.1	2.6	0.6	0.2	6	118	7,613	2.7%	377,047
Various	RF	RF-RESIDUES	18.2	5.9	0.0	0.4	9.2	2.1	0.7	20105	366439	27,718	9.8%	743,486
Combustible	IN	IN-W305.828	18.2	0.0	0.0	17.7	0.0	0.0	0.0	51	936	27,770	9.9%	744,423
Combustible	IN	IN-W305.1068	18.2	0.0	0.0	17.7	0.0	0.0	0.0	180	3281	27,950	9.9%	747,703
Combustible	IN	IN-W256.1062	17.9	0.0	0.0	17.1	0.1	0.3	0.0	99	1777	28,049	10.0%	749,480
Combustible	IN	IN-W256.295	17.9	0.0	0.0	17.1	0.1	0.3	0.0	29	517	28,077	10.0%	749,997
Graphite	RF	RF-TT0303	16.7	0.0	0.0	0.0	9.3	6.7	0.7	1	17	28,078	10.0%	750,014
Solidified Inorganics	RF	RF-MT0377	16.2	0.0	0.0	0.0	9.0	6.5	0.7	17	276	28,095	10.0%	750,290
Solidified Inorganics	RF	RF-MT-0823	15.7	0.0	0.0	0.0	8.8	6.3	0.6	1	16	28,096	10.0%	750,306
Uncategorized Metal	RF	RF-TT0320	15.5	0.0	0.0	0.0	6.9	7.8	0.8	22	342	28,118	10.0%	750,647
Inorganic Non-Metal	IN	IN-W208.242	15.3	3.0	0.0	0.3	9.2	2.0	0.7	7	107	28,125	10.0%	750,754
Solidified Inorganics	IN	IN-W315.601	15.2	15.0	0.0	0.0	0.2	0.0	0.0	2	30	28,127	10.0%	750,784
Combustible	IN	IN-W269.535	14.9	1.3	0.0	1.2	11.2	1.1	0.0	100	1488	28,227	10.0%	752,273
Combustible	IN	IN-W269.510	14.9	1.3	0.0	1.2	11.2	1.1	0.0	29	429	28,256	10.0%	752,701
Heterogeneous	SR	T001-772F-HET	14.7	0.2	0.0	13.2	0.7	0.1	0.1	140	2048	28,396	10.1%	754,750
Inorganic Non-Metal	IN	IN-W373.1003	14.0	0.0	0.0	0.3	10.5	2.3	0.8	3	46	28,399	10.1%	754,795
Solidified Inorganics	SR	W027-773A-VIT	13.5	0.2	0.4	12.4	0.1	0.1	0.1	83	1123	28,482	10.1%	755,919
Solidified Inorganics	SR	W027-221F-VIT	13.5	0.2	0.4	12.4	0.1	0.1	0.1	160	2160	28,642	10.2%	758,079
Solidified Inorganics	SR	W027-221H-VIT	13.5	0.2	0.4	12.4	0.1	0.1	0.1	124	1685	28,766	10.2%	759,764
Solidified Inorganics	SR	W027-235F-VIT	13.5	0.2	0.4	12.4	0.1	0.1	0.1	80	1080	28,846	10.3%	760,844
Solidified Inorganics	SR	W027-772F-VIT	13.5	0.2	0.4	12.4	0.1	0.1	0.1	51	691	28,897	10.3%	761,535
Solidified Inorganics	SR	T003-773A-VIT	13.5	0.2	0.4	12.4	0.1	0.1	0.1	1	14	28,898	10.3%	761,549
Heterogeneous	SR	T001-235F-HET	13.0	0.2	0.0	11.8	0.5	0.1	0.1	784	10208	29,682	10.5%	771,757
Heterogeneous	SR	T001-221F-HET	12.8	0.2	0.0	11.6	0.5	0.1	0.1	4513	57689	34,195	12.2%	829,446
Inorganic Non-Metal	IN	IN-W216.99	12.6	12.0	0.0	0.0	0.4	0.1	0.0	1226	15429	35,421	12.6%	844,875
Uncategorized Metal	SR	T001-221F-MET	12.5	0.2	0.0	11.4	0.5	0.1	0.1	114	1427	35,535	12.6%	846,302
Salt Waste	IN	IN-W312.602	12.4	0.0	0.0	0.3	9.3	2.1	0.7	5	66	35,540	12.6%	846,367
Salt Waste	IN	IN-W312.942	12.4	0.0	0.0	0.3	9.3	2.1	0.7	13	162	35,553	12.6%	846,529
Inorganic Non-Metal	IN	IN-W364.1011	12.4	0.0	0.0	0.3	9.3	2.0	0.7	4	53	35,558	12.6%	846,582
Inorganic Non-Metal	IN	IN-W362.1020	12.3	0.0	0.0	0.3	9.3	2.0	0.7	26	319	35,583	12.6%	846,901

Table A-3, Generator Waste Stream Totals Sorted by Average PE-Ci/Drum														
Source: TWBIR Database Query, 20 June 96			Concentration of Selected Isotopes (per equivalent drum based on scaled volumes)							Cumulative Total of All Stored Drums				
Final Waste Form	SITE	TWBIR_ID	Av. PE-Ci / Drum	Am-241 PE-Ci WF=1.0	Cm-244 PE-Ci WF=1.9	Pu-238 PE-Ci WF=1.13	Pu-239 PE-Ci WF=1.0	Pu-240 PE-Ci WF=1.0	Pu-241 PE-Ci WF=52.0	Equip. Stored Drums	Total Pe-Ci	Cum. Equip. Drums	Drum Percentile	Cum. PE-Ci
Heterogeneous	SR	T001-221H-HET	12.2	0.2	0.0	11.2	0.5	0.1	0.1	760	9299	36,344	12.9%	856,199
Heterogeneous	SR	T001-773A-HET	12.1	0.2	0.0	11.1	0.4	0.1	0.1	106	1287	36,450	13.0%	857,487
Uncategorized Metal	SR	T001-221H-MET	12.1	0.2	0.0	11.0	0.4	0.1	0.1	4	46	36,454	13.0%	857,533
Uncategorized Metal	SR	T001-773A-MET	12.0	0.2	0.0	11.0	0.4	0.1	0.1	2	22	36,455	13.0%	857,555
Inorganic Non-Metal	IN	IN-W163.234	11.5	0.0	0.0	0.3	8.7	1.9	0.7	2	23	36,457	13.0%	857,578
Combustible	MD	MD-W003	11.5	0.0	0.0	10.3	1.0	0.0	0.0	8	92	36,465	13.0%	857,670
Combustible	IN	IN-W330.678	11.5	0.0	0.0	11.2	0.0	0.0	0.0	9	107	36,475	13.0%	857,777
Combustible	IN	IN-W330.677	11.5	0.0	0.0	11.2	0.0	0.0	0.0	29	334	36,504	13.0%	858,110
Solidified Inorganics	LA	LA-T006	11.5	0.0	0.0	10.8	0.3	0.0	0.0	24	276	36,528	13.0%	858,386
Inorganic Non-Metal	IN	IN-W298.979	11.2	0.9	0.0	0.2	7.7	1.7	0.6	2	22	36,530	13.0%	858,408
Inorganic Non-Metal	IN	IN-W267.1005	11.0	0.0	0.0	0.3	8.2	1.8	0.7	5	58	36,535	13.0%	858,466
Salt Waste	IN	IN-W314.1017	10.8	0.0	0.0	0.3	8.1	1.8	0.6	5	54	36,540	13.0%	858,520
Salt Waste	IN	IN-W314.606	10.8	0.0	0.0	0.3	8.1	1.8	0.6	3	35	36,543	13.0%	858,555
Solidified Inorganics	IN	IN-W348.1012	10.5	0.0	0.0	0.3	7.8	1.7	0.6	11	118	36,555	13.0%	858,673
Uncategorized Metal	IN	IN-W304.861	10.4	0.0	0.0	10.0	0.1	0.0	0.0	284	2949	36,839	13.1%	861,623
Uncategorized Metal	IN	IN-W304.860	10.4	0.0	0.0	10.0	0.1	0.0	0.0	42	437	36,881	13.1%	862,060
Inorganic Non-Metal	IN	IN-W210.247	10.3	0.0	0.0	0.2	7.7	1.7	0.6	1	10	36,882	13.1%	862,070
Graphite	IN	IN-W271.532	10.1	0.0	0.0	0.0	3.1	7.0	0.0	4	43	36,886	13.1%	862,113
Combustible	RF	RF-MT0339	10.1	4.6	0.0	0.0	2.2	2.9	0.3	110	1109	36,996	13.1%	863,222
Soils	RL	RL-T103	10.1	0.0	0.0	0.2	7.8	1.8	0.2	479	4827	37,475	13.3%	868,049
Inorganic Non-Metal	IN	IN-W363.847	10.0	0.0	0.0	0.2	7.5	1.6	0.6	5	50	37,480	13.3%	868,098
Graphite	RF	RF-TT0300	9.9	0.0	0.0	0.0	4.7	4.7	0.5	62	614	37,542	13.3%	868,712
Filter	RF	RF-TT0376	9.9	0.0	0.0	0.0	4.2	5.1	0.6	43	425	37,585	13.4%	869,137
Filter	RF	RF-TT0490	9.4	0.0	0.0	0.0	4.1	4.8	0.5	107	999	37,692	13.4%	870,136
Solidified Organics	IN	IN-W321.1023	9.2	0.0	0.0	0.2	6.9	1.5	0.5	6	58	37,698	13.4%	870,194
Inorganic Non-Metal	RL	RL-W405	9.2	9.1	0.0	0.0	0.1	0.0	0.0	1	9	37,699	13.4%	870,204
Solidified Inorganics	RF	RF-MT0001	9.1	7.5	0.0	0.0	0.9	0.6	0.1	18	163	37,717	13.4%	870,367
Solidified Inorganics	RF	RF-MT0007	9.1	7.5	0.0	0.0	0.9	0.6	0.1	4	36	37,721	13.4%	870,403
Solidified Inorganics	RF	RF-T010	9.1	7.5	0.0	0.0	0.9	0.6	0.1	3	27	37,724	13.4%	870,430
Uncategorized Metal	LA	LA-W005	8.6	0.0	0.0	0.3	8.3	0.0	0.0	1032	8921	38,756	13.8%	879,351
Filter	RF	RF-TT0335	8.6	0.0	0.0	0.0	3.6	4.6	0.5	93	803	38,849	13.8%	880,154
Filter	RF	RF-TT0338	8.6	0.0	0.0	0.0	3.6	4.6	0.5	10	86	38,859	13.8%	880,241
Solidified Inorganics	SR	T001-221F-VIT	8.2	0.1	0.5	7.2	0.0	0.1	0.0	111	916	38,970	13.8%	881,156
Solidified Inorganics	SR	T001-221H-VIT	8.2	0.1	0.5	7.2	0.0	0.1	0.0	163	1324	39,133	13.9%	882,481

Table A-3, Generator Waste Stream Totals Sorted by Average PE-Ci/Drum														
Source: TWBIR Database Query, 20 June 96			Concentration of Selected Isotopes (per equivalent drum based on scaled volumes)							Cumulative Total of All Stored Drums				
Final Waste Form	SITE	TWBIR_ID	Av. PE-Ci / Drum	Am-241 PE-Ci WF=1.0	Cm-244 PE-Ci WF=1.9	Pu-238 PE-Ci WF=1.13	Pu-239 PE-Ci WF=1.0	Pu-240 PE-Ci WF=1.0	Pu-241 PE-Ci WF=52.0	Equip. Stored Drums	Total Pe-Ci	Cum. Equip. Drums	Drum Percentile	Cum. PE-Ci
Solidified Inorganics	SR	T001-773A-VIT	8.1	0.1	0.5	7.1	0.0	0.1	0.0	2	15	39,135	13.9%	882,496
Solidified Inorganics	SR	T001-772F-VIT	8.1	0.1	0.5	7.1	0.0	0.1	0.0	1	7	39,136	13.9%	882,504
Solidified Inorganics	SR	T001-235F-VIT	8.1	0.1	0.5	7.1	0.0	0.1	0.0	7	58	39,143	13.9%	882,561
Inorganic Non-Metal	IN	IN-W361.849	7.8	0.0	0.0	0.2	5.8	1.3	0.5	10	78	39,153	13.9%	882,639
Solidified Inorganics	RF	RF-TT0802	7.6	7.3	0.0	0.0	0.1	0.1	0.0	36	272	39,189	13.9%	882,911
Salt Waste	IN	IN-W355.1015	7.4	0.0	0.0	0.2	5.6	1.2	0.4	5	37	39,194	13.9%	882,948
Salt Waste	IN	IN-W355.857	7.4	0.0	0.0	0.2	5.6	1.2	0.4	4	32	39,198	13.9%	882,980
Uncategorized Metal	RF	RF-TT0481	7.3	3.5	0.0	0.0	2.1	1.5	0.2	1	7	39,199	13.9%	882,987
Inorganic Non-metal	RF	RF-TT0438	7.3	0.0	0.0	0.0	3.2	3.7	0.4	37	271	39,236	13.9%	883,258
Inorganic Non-metal	RF	RF-MT-0368	7.2	0.0	0.0	0.0	3.1	4.1	0.0	3	22	39,239	13.9%	883,280
Graphite	RF	RF-TT0312	7.1	0.0	0.0	0.0	2.8	3.9	0.4	3	21	39,242	13.9%	883,301
Inorganic Non-Metal	IN	IN-W283.963	6.9	0.0	0.0	0.2	5.2	1.1	0.4	1	7	39,243	13.9%	883,308
Lead/Cadmium Metal	WRF	RF-MT0480	6.8	4.2	0.0	0.0	1.1	1.5	0.2	1	7	39,244	13.9%	883,315
Inorganic Non-Metal	IN	IN-W317.1028	6.6	1.3	0.0	0.1	4.0	0.9	0.3	1	7	39,245	13.9%	883,322
Inorganic Non-Metal	IN	IN-W206.936	6.5	0.2	0.0	0.2	4.8	1.1	0.4	108	703	39,353	14.0%	884,025
Solidified Inorganics	IN	IN-W216.98	6.3	6.0	0.0	0.0	0.2	0.0	0.0	2671	16805	42,024	14.9%	900,830
Solidified Inorganics	IN	IN-W216.875	6.3	6.0	0.0	0.0	0.2	0.0	0.0	7110	44727	49,134	17.5%	945,557
Unknown	MD	MD-T004	6.2	0.0	0.0	6.0	0.1	0.0	0.0	129	797	49,263	17.5%	946,354
Graphite	IN	IN-W272.504	6.1	0.0	0.0	0.1	4.6	1.0	0.4	4	26	49,268	17.5%	946,380
Graphite	IN	IN-W272.974	6.1	0.0	0.0	0.1	4.6	1.0	0.4	8	49	49,276	17.5%	946,428
Solidified Inorganics	RF	RF-MT0807	6.1	5.2	0.0	0.0	0.4	0.4	0.0	353	2144	49,629	17.6%	948,573
Solidified Inorganics	RF	RF-MT0800	6.0	5.2	0.0	0.0	0.4	0.4	0.0	315	1904	49,944	17.7%	950,477
Heterogeneous	RL	RL-W301	6.0	0.0	0.0	0.0	4.7	1.1	0.1	3	18	49,947	17.7%	950,495
Solidified Inorganics	RF	RF-MT0803	5.9	5.1	0.0	0.0	0.4	0.4	0.0	14	83	49,961	17.8%	950,578
Solidified Inorganics	IN	IN-W163.1007	5.8	0.0	0.0	0.1	4.3	1.0	0.3	3	19	49,964	17.8%	950,597
Heterogeneous	IN	IN-W325.679	5.8	0.0	0.0	5.6	0.0	0.0	0.0	3	19	49,967	17.8%	950,616
Heterogeneous	IN	IN-W325.1076	5.8	0.0	0.0	5.6	0.0	0.0	0.0	2	12	49,969	17.8%	950,627
Combustible	RF	RF-MT0821	5.6	2.7	0.0	0.0	1.6	1.2	0.1	2	11	49,971	17.8%	950,639
Heterogeneous	RL	RL-T123	5.5	0.0	0.0	0.1	4.3	1.0	0.1	3	16	49,974	17.8%	950,655
Uncategorized Metal	LA	LA-T005	5.4	0.0	0.0	4.1	1.1	0.0	0.0	7226	38837	57,200	20.3%	989,492
Heterogeneous	IN	IN-W170.189	5.1	1.2	0.0	0.0	4.0	0.0	0.0	3	17	57,204	20.3%	989,509
Heterogeneous	IN	IN-W170.938	5.1	1.2	0.0	0.0	4.0	0.0	0.0	2	10	57,206	20.3%	989,520
Combustible	MD	MD-T009	5.0	0.0	0.0	3.6	1.4	0.0	0.0	1	5	57,207	20.3%	989,525
Inorganic Non-Metal	IN	IN-W363.1019	5.0	0.0	0.0	0.1	3.7	0.8	0.3	4	21	57,211	20.3%	989,546

Table A-3, Generator Waste Stream Totals Sorted by Average PE-Ci/Drum														
Source: TWBIR Database Query, 20 June 96			Concentration of Selected Isotopes (per equivalent drum based on scaled volumes)							Cumulative Total of All Stored Drums				
Final Waste Form	SITE	TWBIR_ID	Av. PECi / Drum	Am-241 PE-Ci WF=1.0	Cm-244 PE-Ci WF=1.9	Pu-238 PE-Ci WF=1.13	Pu-239 PE-Ci WF=1.0	Pu-240 PE-Ci WF=1.0	Pu-241 PE-Ci WF=52.0	Equiv. Stored Drums	Total Pe-Ci	Cum. Equiv. Drums	Drum Percentile	Cum. PE-Ci
Solidified Organics	IN	IN-W319.584	4.6	0.0	0.0	0.1	3.4	0.8	0.3	3	15	57,214	20.3%	989,561
Filter	RF	RF-MT-0491	4.5	0.1	0.0	0.0	1.7	2.4	0.3	3	13	57,217	20.3%	989,574
Inorganic Non-Metal	IN	IN-W222.117	4.5	0.0	0.0	0.1	3.4	0.7	0.3	188	841	57,405	20.4%	990,415
Filter	RF	RF-MT-0335	4.5	0.1	0.0	0.0	1.7	2.4	0.3	7	31	57,412	20.4%	990,446
Salt Waste	IN	IN-W356.1014	4.2	3.5	0.0	0.0	0.6	0.1	0.0	18	76	57,430	20.4%	990,522
Salt Waste	IN	IN-W356.856	4.2	3.5	0.0	0.0	0.6	0.1	0.0	6	27	57,436	20.4%	990,549
Combustible	LA	LA-T004	4.1	0.0	0.0	3.8	0.2	0.0	0.0	7477	30321	64,913	23.1%	1,020,870
Uncategorized Metal	RF	RF-TT0824	4.0	2.3	0.0	0.0	0.8	0.9	0.1	47	190	64,960	23.1%	1,021,060
Uncategorized Metal	RF	RF-TT0480	4.0	2.2	0.0	0.0	0.7	0.9	0.1	372	1481	65,332	23.2%	1,022,541
Combustible	IN	IN-W327.1085	4.0	0.0	0.0	3.9	0.0	0.0	0.0	17	68	65,349	23.2%	1,022,609
Combustible	IN	IN-W327.735	4.0	0.0	0.0	3.9	0.0	0.0	0.0	6	25	65,355	23.2%	1,022,634
Heterogeneous	MD	MD-T012	3.9	0.0	0.0	2.3	1.6	0.0	0.0	3	12	65,358	23.2%	1,022,646
Inorganic Non-Metal	IN	IN-W361.1021	3.9	0.0	0.0	0.1	2.9	0.6	0.2	7	28	65,365	23.2%	1,022,674
Solidified Inorganics	LA	LA-W006	3.9	1.2	0.0	0.5	2.2	0.0	0.0	2655	10233	68,020	24.2%	1,032,907
Graphite	IN	IN-W367.973	3.8	0.0	0.0	0.1	2.8	0.6	0.2	23	86	68,043	24.2%	1,032,993
Filter	IN	IN-W207.980	3.6	0.0	0.0	0.1	2.7	0.6	0.2	4	16	68,047	24.2%	1,033,008
Filter	IN	IN-W207.981	3.6	0.0	0.0	0.1	2.7	0.6	0.2	2	7	68,049	24.2%	1,033,015
Combustible	RF	RF-TT0825	3.5	2.3	0.0	0.0	0.5	0.7	0.1	104	364	68,153	24.2%	1,033,380
Combustible	RF	RF-TT0821	3.5	2.3	0.0	0.0	0.5	0.7	0.1	60	209	68,213	24.2%	1,033,588
Combustible	RL	RL-W300	3.4	0.0	0.0	0.0	2.7	0.6	0.1	2	7	68,215	24.2%	1,033,595
Uncategorized Metal	RL	RL-W299	3.4	0.0	0.0	0.0	2.7	0.6	0.1	3	10	68,218	24.2%	1,033,605
Heterogeneous	IN	IN-W204.215	3.4	1.8	0.0	1.6	0.0	0.0	0.0	4	15	68,222	24.2%	1,033,620
Heterogeneous	IN	IN-W204.216	3.4	1.8	0.0	1.6	0.0	0.0	0.0	8	27	68,230	24.2%	1,033,647
Inorganic Non-Metal	IN	IN-W322.851	3.4	0.0	0.0	0.0	2.8	0.6	0.0	4	14	68,234	24.2%	1,033,662
Inorganic Non-Metal	IN	IN-W322.952	3.4	0.0	0.0	0.0	2.8	0.6	0.0	8	27	68,242	24.3%	1,033,689
Uncategorized Metal	IN	IN-W271.533	3.4	0.0	0.0	0.0	1.0	2.3	0.0	1	3	68,243	24.3%	1,033,692
Heterogeneous	IN	IN-W298.812	3.4	0.3	0.0	0.1	2.3	0.5	0.2	74	248	68,317	24.3%	1,033,940
Uncategorized Metal	IN	IN-W298.317	3.4	0.3	0.0	0.1	2.3	0.5	0.2	263	883	68,580	24.4%	1,034,823
Solidified Organics	IN	IN-W317.757	3.3	0.6	0.0	0.1	2.0	0.4	0.2	188	619	68,768	24.4%	1,035,441
Solidified Organics	IN	IN-W317.758	3.3	0.6	0.0	0.1	2.0	0.4	0.2	55	182	68,824	24.5%	1,035,623
Combustible	MD	MD-T008	3.2	0.0	0.0	3.1	0.0	0.0	0.0	18	58	68,842	24.5%	1,035,682
Solidified Inorganics	IN	IN-W177.1083	3.1	0.0	0.0	3.0	0.0	0.0	0.0	678	2107	69,520	24.7%	1,037,788
Solidified Inorganics	IN	IN-W177.156	3.1	0.0	0.0	3.0	0.0	0.0	0.0	189	586	69,708	24.8%	1,038,375
Filter	IN	IN-W211.1009	3.0	0.2	0.0	0.1	2.1	0.5	0.2	473	1429	70,182	24.9%	1,039,803

Table A-3, Generator Waste Stream Totals Sorted by Average PE-Ci/Drum														
Source: TWBIR Database Query, 20 June 96			Concentration of Selected Isotopes (per equivalent drum based on scaled volumes)							Cumulative Total of All Stored Drums				
Final Waste Form	SITE	TWBIR_ID	Av. PE-Ci / Drum	Am-241 PE-Ci WF=1.0	Cm-244 PE-Ci WF=1.9	Pu-238 PE-Ci WF=1.13	Pu-239 PE-Ci WF=1.0	Pu-240 PE-Ci WF=1.0	Pu-241 PE-Ci WF=52.0	Equiv. Stored Drums	Total Pe-Ci	Cum. Equiv. Drums	Drum Percentile	Cum. PE-Ci
Heterogeneous	RL	RL-T107	3.0	0.0	0.0	2.4	0.4	0.1	0.0	29597	89263	99,778	35.5%	1,129,067
Combustible	RF	RF-MT0832	3.0	1.7	0.0	0.0	0.5	0.7	0.1	348	1042	100,126	35.6%	1,130,109
Combustible	RF	RF-MT0831	3.0	1.7	0.0	0.0	0.5	0.7	0.1	216	646	100,342	35.7%	1,130,755
Heterogeneous	RL	RL-T116	3.0	0.0	0.0	0.1	2.3	0.5	0.1	53	158	100,395	35.7%	1,130,913
Combustible	RF	RF-MT0833	3.0	1.7	0.0	0.0	0.5	0.7	0.1	42	125	100,437	35.7%	1,131,039
Solidified Organics	RF	RF-MT0801	3.0	1.0	0.0	0.0	0.8	0.6	0.6	524	1553	100,961	35.9%	1,132,591
Solidified Organics	RF	RF-MT0003	3.0	1.0	0.0	0.0	0.8	0.6	0.6	3	9	100,964	35.9%	1,132,600
Combustible	LA	LA-W004	2.9	0.0	0.0	1.5	1.3	0.0	0.0	1280	3704	102,245	36.3%	1,136,304
Combustible	RL	RL-W296	2.8	0.0	0.0	0.0	2.2	0.5	0.1	15	42	102,260	36.3%	1,136,346
Inorganic Non-Metal	RL	RL-W292	2.8	0.0	0.0	0.0	2.2	0.5	0.1	1	3	102,261	36.3%	1,136,349
Lead/Cadmium Metal	WRL	RL-W287	2.8	0.0	0.0	0.0	2.2	0.5	0.1	2	6	102,263	36.3%	1,136,355
Lead/Cadmium Metal	WRL	RL-W290	2.8	0.0	0.0	0.0	2.2	0.5	0.1	11	30	102,274	36.3%	1,136,385
Uncategorized Metal	RL	RL-W295	2.8	0.0	0.0	0.0	2.2	0.5	0.1	9	25	102,283	36.3%	1,136,410
Uncategorized Metal	RL	RL-W297	2.8	0.0	0.0	0.0	2.2	0.5	0.1	8	22	102,291	36.3%	1,136,432
Combustible	RL	RL-W289	2.8	0.0	0.0	0.0	2.2	0.5	0.1	10	28	102,301	36.4%	1,136,460
Combustible	RL	RL-W293	2.8	0.0	0.0	0.0	2.2	0.5	0.1	6	17	102,307	36.4%	1,136,477
Heterogeneous	RL	RL-W294	2.8	0.0	0.0	0.0	2.2	0.5	0.1	5	14	102,312	36.4%	1,136,490
Solidified Organics	RL	RL-W285	2.8	0.0	0.0	0.0	2.2	0.5	0.1	6	16	102,318	36.4%	1,136,506
Uncategorized Metal	RL	RL-W288	2.8	0.0	0.0	0.0	2.2	0.5	0.1	5	14	102,323	36.4%	1,136,520
Uncategorized Metal	RL	RL-W291	2.8	0.0	0.0	0.0	2.2	0.5	0.1	38	106	102,361	36.4%	1,136,626
Inorganic Non-Metal	IN	IN-W294.1057	2.7	0.1	0.0	0.1	2.0	0.4	0.2	2	5	102,363	36.4%	1,136,632
Heterogeneous	IN	IN-W281.487	2.7	0.0	0.0	2.7	0.0	0.0	0.0	1528	4181	103,891	36.9%	1,140,813
Inorganic Non-Metal	RF	RF-TT0442	2.7	0.0	0.0	0.0	1.2	1.4	0.1	135	369	104,026	37.0%	1,141,182
Solidified Inorganics	IN	IN-W174.154	2.7	0.0	0.0	2.6	0.0	0.0	0.0	646	1752	104,672	37.2%	1,142,934
Solidified Inorganics	IN	IN-W174.1082	2.7	0.0	0.0	2.6	0.0	0.0	0.0	146	396	104,818	37.2%	1,143,330
Soils	RL	RL-W283	2.6	2.6	0.0	0.0	0.0	0.0	0.0	56	146	104,874	37.3%	1,143,476
Unknown	RL	RL-W284	2.6	2.6	0.0	0.0	0.0	0.0	0.0	2	5	104,876	37.3%	1,143,482
Combustible	RL	RL-W298	2.5	0.0	0.0	0.0	2.0	0.5	0.1	80	201	104,955	37.3%	1,143,683
Combustible	RL	RL-W398	2.5	2.0	0.0	0.0	0.3	0.1	0.0	1	2	104,956	37.3%	1,143,685
Uncategorized Metal	RL	RL-W396	2.5	2.0	0.0	0.0	0.3	0.1	0.0	1	2	104,957	37.3%	1,143,687
Heterogeneous	RL	RL-T133	2.4	0.0	0.0	0.0	1.9	0.4	0.1	1	2	104,958	37.3%	1,143,690
Heterogeneous	RL	RL-T137	2.4	1.4	0.0	0.0	0.8	0.2	0.0	729	1760	105,687	37.6%	1,145,450
Inorganic Non-metal	RF	RF-TT0440	2.4	0.0	0.0	0.0	1.0	1.3	0.1	27	64	105,715	37.6%	1,145,515
Inorganic Non-Metal	IN	IN-W243.275	2.3	0.1	0.0	0.1	1.6	0.4	0.1	35	81	105,750	37.6%	1,145,596

Table A-3, Generator Waste Stream Totals Sorted by Average PE-Ci/Drum														
Source: TWBIR Database Query, 20 June 96			Concentration of Selected Isotopes (per equivalent drum based on scaled volumes)							Cumulative Total of All Stored Drums				
Final Waste Form	SITE	TWBIR_ID	Av. PECi / Drum	Am-241 PE-Ci WF=1.0	Cm-244 PE-Ci WF=1.9	Pu-238 PE-Ci WF=1.13	Pu-239 PE-Ci WF=1.0	Pu-240 PE-Ci WF=1.0	Pu-241 PE-Ci WF=52.0	Equiv. Stored Drums	Total Pe-Ci	Cum. Equiv. Drums	Drum Percentile	Cum. PE-Ci
Solidified Inorganics	IN	IN-W222.965	2.2	0.0	0.0	0.1	1.7	0.4	0.1	51	114	105,801	37.6%	1,145,710
Solidified Inorganics	IN	IN-W222.116	2.2	0.0	0.0	0.1	1.7	0.4	0.1	119	266	105,920	37.6%	1,145,976
Inorganic Non-Metal	IN	IN-W245.1034	2.2	0.0	0.0	0.1	1.6	0.4	0.1	1	2	105,921	37.6%	1,145,978
Heterogeneous	LA	LA-T007	2.2	0.0	0.0	0.3	1.8	0.0	0.0	32	69	105,953	37.7%	1,146,047
Inorganic Non-Metal	IN	IN-W230.940	2.1	0.0	0.0	0.1	1.6	0.4	0.1	71	153	106,024	37.7%	1,146,200
Inorganic Non-Metal	IN	IN-W230.229	2.1	0.0	0.0	0.1	1.6	0.4	0.1	21	44	106,044	37.7%	1,146,244
Graphite	IN	IN-W370.929	2.1	0.0	0.0	0.1	1.6	0.4	0.1	257	549	106,301	37.8%	1,146,793
Graphite	IN	IN-W370.836	2.1	0.0	0.0	0.1	1.6	0.4	0.1	73	156	106,374	37.8%	1,146,949
Heterogeneous	IN	IN-W339.655	2.1	0.0	0.0	0.0	2.1	0.0	0.0	10	22	106,384	37.8%	1,146,971
Heterogeneous	IN	IN-W339.955	2.1	0.0	0.0	0.0	2.1	0.0	0.0	34	72	106,418	37.8%	1,147,043
Heterogeneous	IN	IN-W345.669	2.1	1.4	0.0	0.3	0.3	0.2	0.0	69	145	106,487	37.8%	1,147,187
Heterogeneous	IN	IN-W345.819	2.1	1.4	0.0	0.3	0.3	0.2	0.0	4	9	106,492	37.8%	1,147,196
Heterogeneous	IN	IN-W283.534	2.1	0.0	0.0	0.0	1.6	0.3	0.1	3	7	106,495	37.8%	1,147,203
Heterogeneous	IN	IN-W283.481	2.1	0.0	0.0	0.0	1.6	0.3	0.1	1	2	106,496	37.8%	1,147,205
Inorganic Non-Metal	RL	RL-W403	2.0	0.0	0.0	0.0	1.6	0.4	0.0	3	6	106,499	37.8%	1,147,211
Heterogeneous	RL	RL-T127	2.0	1.2	0.0	0.0	0.6	0.1	0.0	1363	2687	107,862	38.3%	1,149,898
Inorganic Non-Metal	IN	IN-W374.1091	2.0	0.0	0.0	0.0	1.5	0.3	0.1	10	20	107,872	38.3%	1,149,918
Heterogeneous	RL	RL-W302	1.9	1.9	0.0	0.0	0.0	0.0	0.0	2	4	107,874	38.3%	1,149,921
Solidified Inorganics	IN	IN-W332.962	1.9	0.0	0.0	1.9	0.0	0.0	0.0	4	8	107,878	38.3%	1,149,929
Solidified Inorganics	IN	IN-W332.661	1.9	0.0	0.0	1.9	0.0	0.0	0.0	3	6	107,882	38.3%	1,149,936
Combustible	IN	IN-W252.283	1.9	0.1	0.0	0.0	1.4	0.3	0.1	566	1082	108,448	38.5%	1,151,017
Combustible	IN	IN-W252.811	1.9	0.1	0.0	0.0	1.4	0.3	0.1	158	302	108,605	38.6%	1,151,319
Inorganic Non-Metal	IN	IN-W366.841	1.9	0.0	0.0	0.0	1.4	0.3	0.1	5	10	108,611	38.6%	1,151,329
Inorganic Non-Metal	IN	IN-W366.1004	1.9	0.0	0.0	0.0	1.4	0.3	0.1	10	19	108,621	38.6%	1,151,348
Heterogeneous	RF	RF-MT0374	1.9	0.0	0.0	0.0	1.0	0.8	0.1	6	11	108,627	38.6%	1,151,359
Heterogeneous	RF	RF-TT0374	1.9	0.0	0.0	0.0	1.0	0.8	0.1	3	6	108,630	38.6%	1,151,365
Inorganic Non-Metal	RL	RL-W400	1.9	0.0	0.0	0.0	0.8	0.8	0.2	1	2	108,631	38.6%	1,151,366
Inorganic Non-Metal	IN	IN-W212.251	1.9	0.1	0.0	0.0	1.3	0.3	0.1	724	1355	109,355	38.9%	1,152,721
Uncategorized Metal	RL	RL-W399	1.9	0.0	0.0	0.0	0.8	0.8	0.2	1	2	109,356	38.9%	1,152,723
Inorganic Non-Metal	IN	IN-W308.618	1.9	1.3	0.0	0.1	0.5	0.0	0.0	2421	4481	111,777	39.7%	1,157,204
Combustible	RL	RL-W401	1.8	0.0	0.0	0.0	0.8	0.8	0.2	3	6	111,780	39.7%	1,157,210
Heterogeneous	RL	RL-T128	1.8	1.8	0.0	0.0	0.0	0.0	0.0	2	4	111,782	39.7%	1,157,213
Heterogeneous	IN	IN-W341.954	1.8	0.0	0.0	0.0	1.8	0.0	0.0	3	6	111,785	39.7%	1,157,219
Heterogeneous	IN	IN-W341.671	1.8	0.0	0.0	0.0	1.8	0.0	0.0	1	2	111,786	39.7%	1,157,221

Table A-3, Generator Waste Stream Totals Sorted by Average PE-Ci/Drum														
Source: TWBIR Database Query, 20 June 96			Concentration of Selected Isotopes (per equivalent drum based on scaled volumes)							Cumulative Total of All Stored Drums				
Final Waste Form	SITE	TWBIR_ID	Av. PECi / Drum	Am-241 PE-Ci WF=1.0	Cm-244 PE-Ci WF=1.9	Pu-238 PE-Ci WF=1.13	Pu-239 PE-Ci WF=1.0	Pu-240 PE-Ci WF=1.0	Pu-241 PE-Ci WF=52.0	Equiv. Stored Drums	Total Pe-Ci	Cum. Equiv. Drums	Drum Percentile	Cum. PE-Ci
Graphite	IN	IN-W369.970	1.8	0.0	0.0	0.0	1.3	0.3	0.1	48	85	111,834	39.7%	1,157,306
Graphite	IN	IN-W369.837	1.8	0.0	0.0	0.0	1.3	0.3	0.1	16	28	111,849	39.7%	1,157,334
Uncategorized Metal	IN	IN-W342.652	1.7	1.7	0.0	0.0	0.0	0.0	0.0	3	6	111,853	39.7%	1,157,340
Uncategorized Metal	IN	IN-W342.953	1.7	1.7	0.0	0.0	0.0	0.0	0.0	2	3	111,855	39.7%	1,157,343
Combustible	IN	IN-W250.941	1.7	0.0	0.0	0.0	1.3	0.3	0.1	245	414	112,100	39.8%	1,157,757
Combustible	IN	IN-W250.259	1.7	0.0	0.0	0.0	1.3	0.3	0.1	68	114	112,167	39.9%	1,157,872
Inorganic Non-metal	RF	RF-MT0440	1.7	0.0	0.0	0.0	0.7	0.9	0.1	27	45	112,194	39.9%	1,157,917
Inorganic Non-Metal	RF	RF-MT0442	1.7	0.0	0.0	0.0	0.7	0.9	0.1	32	53	112,226	39.9%	1,157,970
Inorganic Non-Metal	RF	RF-MT0856	1.7	0.0	0.0	0.0	0.7	0.9	0.1	1	2	112,227	39.9%	1,157,972
Filter	IN	IN-W209.994	1.6	0.0	0.0	0.0	1.2	0.3	0.1	49	81	112,277	39.9%	1,158,053
Uncategorized Metal	MD	MD-T007	1.6	0.0	0.0	1.5	0.1	0.0	0.0	115	183	112,392	39.9%	1,158,236
Solidified Inorganics	IN	IN-W220.114	1.6	1.4	0.0	0.0	0.1	0.0	0.0	590	937	112,982	40.1%	1,159,173
Solidified Inorganics	IN	IN-W220.925	1.6	1.4	0.0	0.0	0.1	0.0	0.0	2130	3381	115,112	40.9%	1,162,554
Uncategorized Metal	RL	RL-W395	1.6	1.3	0.0	0.0	0.1	0.1	0.0	112	176	115,224	40.9%	1,162,730
Inorganic Non-Metal	IN	IN-W187.121	1.5	0.0	0.0	0.0	1.2	0.3	0.1	1	2	115,225	40.9%	1,162,732
Inorganic Non-Metal	RL	RL-W393	1.5	1.3	0.0	0.0	0.1	0.1	0.0	26	39	115,251	41.0%	1,162,771
Combustible	RL	RL-W397	1.5	1.3	0.0	0.0	0.1	0.1	0.0	17	25	115,268	41.0%	1,162,796
Solidified Inorganics	RL	RL-W394	1.5	1.3	0.0	0.0	0.1	0.1	0.0	15	22	115,283	41.0%	1,162,819
Heterogeneous	LL	LL-M001	1.5	0.3	0.4	0.5	0.1	0.1	0.0	26	38	115,309	41.0%	1,162,857
Salt Waste	IN	IN-W354.858	1.5	0.0	0.0	0.0	1.1	0.2	0.1	3	5	115,313	41.0%	1,162,862
Salt Waste	IN	IN-W354.1016	1.5	0.0	0.0	0.0	1.1	0.2	0.1	1	1	115,314	41.0%	1,162,863
Solidified Inorganics	NT	NT-W021	1.5	0.0	0.0	0.0	1.2	0.2	0.1	27	40	115,341	41.0%	1,162,903
Heterogeneous	IN	IN-W351.648	1.5	0.0	0.0	0.0	0.3	1.1	0.0	4	6	115,345	41.0%	1,162,909
Heterogeneous	IN	IN-W351.922	1.5	0.0	0.0	0.0	0.3	1.1	0.0	6	9	115,351	41.0%	1,162,918
Heterogeneous	RL	RL-W303	1.4	0.0	0.0	0.0	1.2	0.2	0.0	1	1	115,352	41.0%	1,162,919
Inorganic Non-Metal	IN	IN-W205.1087	1.4	0.0	0.0	0.0	1.0	0.2	0.1	1	1	115,353	41.0%	1,162,921
Lead/Cadmium Metal	WRF	RF-MT0321	1.2	0.4	0.0	0.0	0.3	0.4	0.0	18	22	115,371	41.0%	1,162,943
Heterogeneous	IN	IN-W289.466	1.2	0.1	0.0	0.0	1.1	0.0	0.0	122	151	115,493	41.0%	1,163,094
Solidified Inorganics	IN	IN-W179.158	1.2	0.0	0.0	1.2	0.0	0.0	0.0	7	9	115,501	41.0%	1,163,103
Solidified Inorganics	IN	IN-W179.1084	1.2	0.0	0.0	1.2	0.0	0.0	0.0	22	27	115,523	41.1%	1,163,130
Graphite	IN	IN-W275.502	1.2	0.0	0.0	0.0	0.9	0.2	0.1	8	10	115,531	41.1%	1,163,140
Graphite	IN	IN-W275.967	1.2	0.0	0.0	0.0	0.9	0.2	0.1	25	30	115,556	41.1%	1,163,171
Heterogeneous	IN	IN-W171.184	1.2	0.1	0.0	0.0	1.0	0.0	0.1	17	20	115,573	41.1%	1,163,191
Heterogeneous	IN	IN-W171.801	1.2	0.1	0.0	0.0	1.0	0.0	0.1	3	4	115,576	41.1%	1,163,195

Table A-3, Generator Waste Stream Totals Sorted by Average PE-Ci/Drum														
Source: TWBIR Database Query, 20 June 96			Concentration of Selected Isotopes (per equivalent drum based on scaled volumes)							Cumulative Total of All Stored Drums				
Final Waste Form	SITE	TWBIR_ID	Av. PECi / Drum	Am-241 PE-Ci WF=1.0	Cm-244 PE-Ci WF=1.9	Pu-238 PE-Ci WF=1.13	Pu-239 PE-Ci WF=1.0	Pu-240 PE-Ci WF=1.0	Pu-241 PE-Ci WF=52.0	Equiv. Stored Drums	Total Pe-Ci	Cum. Equiv. Drums	Drum Percentile	Cum. PE-Ci
Uncategorized Metal	IN	IN-W204.217	1.1	0.6	0.0	0.5	0.0	0.0	0.0	1	1	115,577	41.1%	1,163,196
Combustible	IN	IN-W254.290	1.1	0.0	0.0	0.0	0.8	0.2	0.1	35	39	115,612	41.1%	1,163,235
Combustible	IN	IN-W254.289	1.1	0.0	0.0	0.0	0.8	0.2	0.1	11	12	115,623	41.1%	1,163,247
Inorganic Non-Metal	IN	IN-W245.302	1.1	0.0	0.0	0.0	0.8	0.2	0.1	643	707	116,266	41.3%	1,163,955
Inorganic Non-Metal	IN	IN-W245.301	1.1	0.0	0.0	0.0	0.8	0.2	0.1	180	198	116,447	41.4%	1,164,153
Heterogeneous	OR	OR-W053	1.1	0.8	0.0	0.0	0.3	0.0	0.0	2095	2293	118,542	42.1%	1,166,446
Heterogeneous	NT	NT-W001	1.1	0.1	0.0	0.1	0.9	0.0	0.0	2948	3150	121,490	43.2%	1,169,596
Solidified Inorganics	RF	RF-TT0823	1.1	0.9	0.0	0.0	0.1	0.1	0.0	34	36	121,524	43.2%	1,169,632
Inorganic Non-Metal	IN	IN-W247.1038	1.1	0.0	0.0	0.0	0.8	0.2	0.1	1	1	121,525	43.2%	1,169,633
Heterogeneous	RL	RL-T140	1.0	0.8	0.0	0.0	0.2	0.0	0.0	664	695	122,189	43.4%	1,170,328
Inorganic Non-Metal	IN	IN-W161.231	1.0	0.0	0.0	0.0	0.8	0.2	0.1	469	489	122,658	43.6%	1,170,817
Inorganic Non-Metal	IN	IN-W161.806	1.0	0.0	0.0	0.0	0.8	0.2	0.1	76	79	122,734	43.6%	1,170,896
Uncategorized Metal	RL	RL-W390	1.0	0.3	0.0	0.0	0.6	0.2	0.0	3	3	122,737	43.6%	1,170,899
Combustible	RL	RL-W389	1.0	0.3	0.0	0.0	0.6	0.2	0.0	1	1	122,738	43.6%	1,170,900
Uncategorized Metal	RL	RL-W386	1.0	0.3	0.0	0.0	0.6	0.2	0.0	2	2	122,740	43.6%	1,170,902
Unknown	RL	RL-W391	1.0	0.3	0.0	0.0	0.6	0.2	0.0	2	2	122,742	43.6%	1,170,904
Heterogeneous	RL	RL-T114	1.0	0.0	0.0	0.0	0.8	0.2	0.0	94	97	122,836	43.7%	1,171,001
Inorganic Non-Metal	RL	RL-W353	1.0	0.0	0.0	0.0	0.8	0.2	0.0	4	4	122,840	43.7%	1,171,005
Soils	RL	RL-W354	1.0	0.0	0.0	0.0	0.8	0.2	0.0	1	1	122,841	43.7%	1,171,006
Uncategorized Metal	RL	RL-W355	1.0	0.0	0.0	0.0	0.8	0.2	0.0	10	10	122,851	43.7%	1,171,016
Combustible	RL	RL-W356	1.0	0.0	0.0	0.0	0.8	0.2	0.0	6	6	122,857	43.7%	1,171,022
Graphite	IN	IN-W276.966	1.0	0.0	0.0	0.0	0.7	0.2	0.1	1507	1526	124,364	44.2%	1,172,549
Graphite	IN	IN-W276.500	1.0	0.0	0.0	0.0	0.7	0.2	0.1	417	422	124,781	44.3%	1,172,971
Solidified Inorganics	IN	IN-W166.928	1.0	0.0	0.0	0.0	0.8	0.2	0.1	273	275	125,054	44.4%	1,173,246
Solidified Inorganics	IN	IN-W166.151	1.0	0.0	0.0	0.0	0.8	0.2	0.1	77	77	125,131	44.5%	1,173,324
Graphite	IN	IN-W368.971	1.0	0.0	0.0	0.0	0.7	0.2	0.1	5	5	125,136	44.5%	1,173,329
Combustible	RL	RL-W372	1.0	0.1	0.0	0.0	0.7	0.2	0.0	2	2	125,138	44.5%	1,173,331
Uncategorized Metal	RL	RL-W370	1.0	0.1	0.0	0.0	0.7	0.2	0.0	2	2	125,140	44.5%	1,173,333
Combustible	IN	IN-W199.1039	0.9	0.0	0.0	0.0	0.7	0.2	0.1	4	4	125,145	44.5%	1,173,337
Combustible	RL	RL-W347	0.9	0.8	0.0	0.0	0.1	0.0	0.0	1	1	125,146	44.5%	1,173,338
Lead/Cadmium Metal	RL	RL-W349	0.9	0.8	0.0	0.0	0.1	0.0	0.0	1	1	125,147	44.5%	1,173,339
Solidified Organics	RL	RL-W348	0.9	0.8	0.0	0.0	0.1	0.0	0.0	1	1	125,148	44.5%	1,173,339
Uncategorized Metal	RL	RL-W346	0.9	0.8	0.0	0.0	0.1	0.0	0.0	2	2	125,150	44.5%	1,173,341
Uncategorized Metal	RL	RL-W350	0.9	0.8	0.0	0.0	0.1	0.0	0.0	1	1	125,151	44.5%	1,173,342

Table A-3, Generator Waste Stream Totals Sorted by Average PE-Ci/Drum														
Source: TWBIR Database Query, 20 June 96			Concentration of Selected Isotopes (per equivalent drum based on scaled volumes)							CumulativeTotal of All Stored Drums				
Final Waste Form	SITE	TWBIR_ID	Av. PECi / Drum	Am-241 PE-Ci WF=1.0	Cm-244 PE-Ci WF=1.9	Pu-238 PE-Ci WF=1.13	Pu-239 PE-Ci WF=1.0	Pu-240 PE-Ci WF=1.0	Pu-241 PE-Ci WF=52.0	Equiv. Stored Drums	Total Pe-Ci	Cum. Equiv. Drums	Drum Percentile	Cum. PE-Ci
Combustible	RL	RL-W388	0.9	0.2	0.0	0.0	0.5	0.1	0.0	80	74	125,231	44.5%	1,173,416
Filter	IN	IN-W208.988	0.9	0.2	0.0	0.0	0.5	0.1	0.0	11	10	125,242	44.5%	1,173,426
Combustible	RL	RL-W404	0.9	0.0	0.0	0.0	0.6	0.2	0.0	10	9	125,252	44.5%	1,173,435
Solidified Inorganics	MD	MD-W002	0.9	0.0	0.0	0.8	0.0	0.0	0.0	9	8	125,261	44.5%	1,173,443
Salt Waste	LL	LL-T004	0.8	0.4	0.0	0.1	0.1	0.2	0.1	3	3	125,264	44.5%	1,173,446
Uncategorized Metal	RL	RL-W385	0.8	0.2	0.0	0.0	0.5	0.1	0.0	39	33	125,303	44.5%	1,173,478
Uncategorized Metal	RL	RL-W402	0.8	0.0	0.0	0.0	0.6	0.2	0.0	6	5	125,309	44.5%	1,173,483
Uncategorized Metal	IN	IN-W294.342	0.8	0.0	0.0	0.0	0.6	0.1	0.0	1956	1608	127,265	45.2%	1,175,091
Uncategorized Metal	IN	IN-W294.814	0.8	0.0	0.0	0.0	0.6	0.1	0.0	161	132	127,426	45.3%	1,175,223
Solidified Inorganics	RL	RL-W383	0.8	0.1	0.0	0.0	0.6	0.1	0.0	45	37	127,472	45.3%	1,175,260
Heterogeneous	RL	RL-W379	0.8	0.1	0.0	0.0	0.6	0.1	0.0	1	1	127,473	45.3%	1,175,261
Solidified Organics	RL	RL-W380	0.8	0.1	0.0	0.0	0.6	0.1	0.0	1	1	127,474	45.3%	1,175,261
Combustible	RL	RL-W384	0.8	0.6	0.0	0.0	0.2	0.0	0.0	3	2	127,477	45.3%	1,175,264
Heterogeneous	RL	RL-T129	0.8	0.0	0.0	0.7	0.1	0.0	0.0	138	110	127,615	45.3%	1,175,374
Heterogeneous	RL	RL-T112	0.8	0.5	0.0	0.0	0.2	0.1	0.0	662	523	128,277	45.6%	1,175,897
Solidified Inorganics	IN	IN-W187.1094	0.8	0.0	0.0	0.0	0.6	0.1	0.0	3	3	128,281	45.6%	1,175,899
Inorganic Non-Metal	RL	RL-W387	0.7	0.2	0.0	0.0	0.4	0.1	0.0	7	5	128,288	45.6%	1,175,904
Inorganic Non-Metal	IN	IN-W240.272	0.7	0.1	0.0	0.0	0.5	0.1	0.0	806	554	129,094	45.9%	1,176,458
Inorganic Non-Metal	IN	IN-W240.931	0.7	0.1	0.0	0.0	0.5	0.1	0.0	9	6	129,103	45.9%	1,176,465
Solidified Inorganics	IN	IN-W347.646	0.7	0.0	0.0	0.0	0.2	0.4	0.0	249	165	129,352	46.0%	1,176,629
Solidified Inorganics	IN	IN-W347.818	0.7	0.0	0.0	0.0	0.2	0.4	0.0	17	11	129,368	46.0%	1,176,640
Inorganic Non-Metal	IN	IN-W296.329	0.6	0.0	0.0	0.0	0.5	0.1	0.0	2501	1602	131,869	46.9%	1,178,242
Heterogeneous	OR	OR-W044	0.6	0.0	0.2	0.1	0.0	0.2	0.2	2514	1605	134,383	47.8%	1,179,847
Heterogeneous	RL	RL-T110	0.6	0.0	0.0	0.0	0.5	0.1	0.0	2375	1494	136,758	48.6%	1,181,341
Filter	LL	LL-T005	0.6	0.1	0.5	0.0	0.0	0.0	0.0	75	47	136,833	48.6%	1,181,388
Uncategorized Metal	IN	IN-W287.460	0.6	0.0	0.0	0.0	0.0	0.6	0.0	1019	636	137,852	49.0%	1,182,023
Filter	IN	IN-W210.1001	0.6	0.0	0.0	0.0	0.5	0.1	0.0	5	3	137,857	49.0%	1,182,026
Unknown	RL	RL-W366	0.6	0.0	0.0	0.0	0.4	0.2	0.0	7	4	137,864	49.0%	1,182,031
Heterogeneous	LL	LL-T002	0.6	0.2	0.0	0.1	0.2	0.1	0.1	230	139	138,095	49.1%	1,182,170
Combustible	IN	IN-W198.202	0.6	0.4	0.0	0.0	0.2	0.0	0.0	575	346	138,670	49.3%	1,182,516
Combustible	IN	IN-W198.804	0.6	0.4	0.0	0.0	0.2	0.0	0.0	158	95	138,828	49.3%	1,182,611
Combustible	RL	RL-W365	0.6	0.0	0.0	0.0	0.4	0.2	0.0	57	34	138,885	49.4%	1,182,644
Inorganic Non-Metal	RL	RL-W364	0.6	0.0	0.0	0.0	0.4	0.1	0.0	10	6	138,895	49.4%	1,182,650
Uncategorized Metal	RL	RL-W362	0.6	0.0	0.0	0.0	0.4	0.1	0.0	14	8	138,909	49.4%	1,182,658

Table A-3, Generator Waste Stream Totals Sorted by Average PE-Ci/Drum														
Source: TWBIR Database Query, 20 June 96			Concentration of Selected Isotopes (per equivalent drum based on scaled volumes)							Cumulative Total of All Stored Drums				
Final Waste Form	SITE	TWBIR_ID	Av. PECi / Drum	Am-241 PE-Ci WF=1.0	Cm-244 PE-Ci WF=1.9	Pu-238 PE-Ci WF=1.13	Pu-239 PE-Ci WF=1.0	Pu-240 PE-Ci WF=1.0	Pu-241 PE-Ci WF=52.0	Equiv. Stored Drums	Total Pe-Ci	Cum. Equiv. Drums	Drum Percentile	Cum. PE-Ci
Inorganic Non-Metal	IN	IN-W243.808	0.6	0.0	0.0	0.0	0.4	0.1	0.0	221	129	139,130	49.4%	1,182,787
Inorganic Non-Metal	IN	IN-W243.274	0.6	0.0	0.0	0.0	0.4	0.1	0.0	838	487	139,968	49.7%	1,183,274
Solidified Organics	LA	LA-T002	0.6	0.1	0.0	0.0	0.5	0.0	0.0	7	4	139,975	49.7%	1,183,278
Heterogeneous	RL	RL-T131	0.6	0.4	0.0	0.0	0.2	0.0	0.0	145	81	140,120	49.8%	1,183,359
Combustible	RL	RL-W371	0.6	0.1	0.0	0.0	0.3	0.1	0.0	29	16	140,149	49.8%	1,183,375
Uncategorized Metal	RL	RL-W363	0.5	0.0	0.0	0.0	0.4	0.1	0.0	1	1	140,150	49.8%	1,183,376
Inorganic Non-Metal	IN	IN-W157.907	0.5	0.1	0.0	0.0	0.4	0.1	0.0	45	24	140,195	49.8%	1,183,400
Solidified Inorganics	IN	IN-W247.523	0.5	0.0	0.0	0.0	0.4	0.1	0.0	835	443	141,030	50.1%	1,183,843
Inorganic Non-Metal	IN	IN-W247.810	0.5	0.0	0.0	0.0	0.4	0.1	0.0	132	70	141,162	50.2%	1,183,913
Heterogeneous	OR	OR-W047	0.5	0.0	0.2	0.2	0.0	0.0	0.0	741	387	141,903	50.4%	1,184,300
Uncategorized Metal	RL	RL-W369	0.5	0.1	0.0	0.0	0.3	0.1	0.0	161	81	142,064	50.5%	1,184,381
Inorganic Non-Metal	IN	IN-W374.829	0.5	0.0	0.0	0.0	0.4	0.1	0.0	11	6	142,076	50.5%	1,184,386
Heterogeneous	IN	IN-W139.627	0.5	0.5	0.0	0.0	0.0	0.0	0.0	59	28	142,135	50.5%	1,184,415
Lead/Cadmium Metal	WRL	RL-W328	0.5	0.1	0.0	0.0	0.3	0.1	0.0	18	9	142,153	50.5%	1,184,423
Uncategorized Metal	RL	RL-W307	0.5	0.1	0.0	0.0	0.3	0.1	0.0	9	4	142,162	50.5%	1,184,428
Uncategorized Metal	RL	RL-W319	0.5	0.1	0.0	0.0	0.3	0.1	0.0	36	17	142,198	50.5%	1,184,445
Uncategorized Metal	RL	RL-W324	0.5	0.1	0.0	0.0	0.3	0.1	0.0	18	9	142,217	50.5%	1,184,454
Unknown	RL	RL-W332	0.5	0.1	0.0	0.0	0.3	0.1	0.0	1	0	142,218	50.5%	1,184,454
Combustible	RL	RL-W309	0.5	0.1	0.0	0.0	0.3	0.1	0.0	1	0	142,219	50.5%	1,184,455
Combustible	RL	RL-W321	0.5	0.1	0.0	0.0	0.3	0.1	0.0	1	0	142,220	50.5%	1,184,455
Soils	RL	RL-W316	0.5	0.1	0.0	0.0	0.3	0.1	0.0	1	0	142,221	50.5%	1,184,456
Uncategorized Metal	RL	RL-W334	0.5	0.1	0.0	0.0	0.3	0.1	0.0	1	0	142,222	50.5%	1,184,456
Uncategorized Metal	IN	IN-W300.930	0.5	0.0	0.0	0.0	0.3	0.1	0.0	23	11	142,244	50.5%	1,184,467
Uncategorized Metal	IN	IN-W300.308	0.5	0.0	0.0	0.0	0.3	0.1	0.0	7257	3466	149,501	53.1%	1,187,933
Heterogeneous	IN	IN-W323.562	0.5	0.0	0.0	0.4	0.1	0.0	0.0	4	2	149,505	53.1%	1,187,935
Uncategorized Metal	LA	LA-W001	0.5	0.0	0.0	0.3	0.2	0.0	0.0	10593	5017	160,098	56.9%	1,192,952
Solidified Inorganics	IN	IN-W221.927	0.4	0.0	0.0	0.0	0.3	0.1	0.0	18	8	160,116	56.9%	1,192,960
Solidified Inorganics	IN	IN-W221.113	0.4	0.0	0.0	0.0	0.3	0.1	0.0	56	25	160,172	56.9%	1,192,985
Solidified Organics	RF	RF-MT0375	0.4	0.0	0.0	0.0	0.2	0.2	0.0	1	0	160,173	56.9%	1,192,985
Inorganic Non-Metal	IN	IN-W218.109	0.4	0.4	0.0	0.0	0.1	0.0	0.0	884	387	161,057	57.2%	1,193,373
Heterogeneous	OR	OR-W048	0.4	0.0	0.4	0.0	0.0	0.0	0.0	73	31	161,130	57.3%	1,193,403
Inorganic Non-Metal	IN	IN-W257.558	0.4	0.0	0.0	0.0	0.3	0.1	0.0	1	0	161,131	57.3%	1,193,404
Inorganic Non-Metal	IN	IN-W203.211	0.4	0.1	0.0	0.3	0.0	0.0	0.0	16	7	161,147	57.3%	1,193,410
Filter	IN	IN-W206.935	0.4	0.0	0.0	0.0	0.3	0.1	0.0	52	20	161,199	57.3%	1,193,431

Table A-3, Generator Waste Stream Totals Sorted by Average PE-Ci/Drum														
Source: TWBIR Database Query, 20 June 96			Concentration of Selected Isotopes (per equivalent drum based on scaled volumes)							Cumulative Total of All Stored Drums				
Final Waste Form	SITE	TWBIR_ID	Av. PECi / Drum	Am-241 PE-Ci WF=1.0	Cm-244 PE-Ci WF=1.9	Pu-238 PE-Ci WF=1.13	Pu-239 PE-Ci WF=1.0	Pu-240 PE-Ci WF=1.0	Pu-241 PE-Ci WF=52.0	Equiv. Stored Drums	Total Pe-Ci	Cum. Equiv. Drums	Drum Percentile	Cum. PE-Ci
Heterogeneous	LA	LA-W068	0.4	0.0	0.0	0.1	0.3	0.0	0.0	2	1	161,201	57.3%	1,193,432
Solidified Inorganics	LL	LL-T001	0.4	0.1	0.0	0.0	0.1	0.1	0.0	69	26	161,270	57.3%	1,193,458
Solidified Inorganics	LA	LA-M002	0.4	0.2	0.0	0.0	0.1	0.0	0.0	14680	5446	175,951	62.5%	1,198,904
Heterogeneous	IN	IN-W197.802	0.4	0.2	0.0	0.0	0.1	0.0	0.0	2453	894	178,404	63.4%	1,199,798
Heterogeneous	IN	IN-W197.803	0.4	0.2	0.0	0.0	0.1	0.0	0.0	217	79	178,621	63.5%	1,199,877
Uncategorized Metal	RL	RL-W375	0.4	0.1	0.0	0.0	0.2	0.1	0.0	104	37	178,725	63.5%	1,199,914
Uncategorized Metal	RL	RL-W374	0.3	0.1	0.0	0.0	0.2	0.1	0.0	877	305	179,602	63.8%	1,200,219
Inorganic Non-Metal	IN	IN-W259.920	0.3	0.0	0.0	0.0	0.3	0.0	0.0	12	4	179,614	63.8%	1,200,223
Inorganic Non-Metal	RF	RF-MT0444	0.3	0.0	0.0	0.0	0.1	0.2	0.0	13	5	179,627	63.8%	1,200,228
Heterogeneous	IN	IN-W291.454	0.3	0.1	0.0	0.0	0.0	0.2	0.0	3	1	179,630	63.8%	1,200,229
Heterogeneous	IN	IN-W291.456	0.3	0.1	0.0	0.0	0.0	0.2	0.0	3050	1048	182,680	64.9%	1,201,276
Combustible	RL	RL-W378	0.3	0.1	0.0	0.0	0.2	0.1	0.0	81	28	182,761	64.9%	1,201,304
Soils	LA	LA-T008	0.3	0.0	0.0	0.2	0.1	0.0	0.0	532	181	183,293	65.1%	1,201,486
Unknown	RL	RL-W382	0.3	0.1	0.0	0.0	0.2	0.1	0.0	90	30	183,383	65.2%	1,201,516
Inorganic Non-Metal	RL	RL-W376	0.3	0.1	0.0	0.0	0.2	0.1	0.0	78	26	183,461	65.2%	1,201,542
Combustible	RL	RL-W377	0.3	0.1	0.0	0.0	0.2	0.1	0.0	1461	492	184,921	65.7%	1,202,034
Soils	RL	RL-W381	0.3	0.1	0.0	0.0	0.2	0.1	0.0	30	10	184,951	65.7%	1,202,044
Inorganic Non-Metal	RF	RF-MT0855	0.3	0.0	0.0	0.0	0.1	0.2	0.0	1	0	184,952	65.7%	1,202,044
Heterogeneous	RL	RL-T101	0.3	0.0	0.0	0.0	0.3	0.1	0.0	2731	904	187,683	66.7%	1,202,948
Solidified Inorganics	IN	IN-W188.1093	0.3	0.0	0.0	0.0	0.2	0.1	0.0	5	2	187,688	66.7%	1,202,950
Solidified Inorganics	IN	IN-W188.160	0.3	0.0	0.0	0.0	0.2	0.1	0.0	3	1	187,691	66.7%	1,202,951
Solidified Organics	LL	LL-W019	0.3	0.2	0.0	0.0	0.0	0.1	0.0	5	2	187,696	66.7%	1,202,953
Heterogeneous	RL	RL-T118	0.3	0.2	0.0	0.0	0.1	0.0	0.0	1259	374	188,955	67.1%	1,203,327
Heterogeneous	RL	RL-T135	0.3	0.0	0.0	0.0	0.2	0.1	0.0	2	1	188,957	67.1%	1,203,328
Heterogeneous	IN	IN-W308.816	0.3	0.2	0.0	0.0	0.1	0.0	0.0	4158	1154	193,116	68.6%	1,204,482
Solidified Inorganics	IN	IN-W263.520	0.3	0.0	0.0	0.3	0.0	0.0	0.0	69	19	193,185	68.6%	1,204,501
Solidified Organics	IN	IN-W157.906	0.3	0.0	0.0	0.0	0.2	0.0	0.0	787	212	193,972	68.9%	1,204,713
Solidified Organics	IN	IN-W157.144	0.3	0.0	0.0	0.0	0.2	0.0	0.0	240	65	194,212	69.0%	1,204,778
Heterogeneous	IN	IN-W265.516	0.3	0.0	0.0	0.0	0.2	0.0	0.0	38	10	194,250	69.0%	1,204,788
Solidified Organics	RL	RL-W345	0.3	0.1	0.0	0.0	0.1	0.0	0.0	10	3	194,260	69.0%	1,204,791
Uncategorized Metal	RL	RL-W308	0.3	0.1	0.0	0.0	0.1	0.0	0.0	2	1	194,262	69.0%	1,204,791
Uncategorized Metal	LA	LA-T009	0.3	0.0	0.0	0.0	0.3	0.0	0.0	257	67	194,519	69.1%	1,204,858
Soils	RL	RL-W310	0.2	0.1	0.0	0.0	0.1	0.0	0.0	1	0	194,520	69.1%	1,204,859
Heterogeneous	IN	IN-W169.191	0.2	0.1	0.0	0.0	0.1	0.0	0.0	20515	4927	215,035	76.4%	1,209,786

Table A-3, Generator Waste Stream Totals Sorted by Average PE-Ci/Drum														
Source: TWBIR Database Query, 20 June 96			Concentration of Selected Isotopes (per equivalent drum based on scaled volumes)							Cumulative Total of All Stored Drums				
Final Waste Form	SITE	TWBIR_ID	Av. PE-Ci / Drum	Am-241 PE-Ci WF=1.0	Cm-244 PE-Ci WF=1.9	Pu-238 PE-Ci WF=1.13	Pu-239 PE-Ci WF=1.0	Pu-240 PE-Ci WF=1.0	Pu-241 PE-Ci WF=52.0	Equiv. Stored Drums	Total Pe-Ci	Cum. Equiv. Drums	Drum Percentile	Cum. PE-Ci
Heterogeneous	IN	IN-W169.985	0.2	0.1	0.0	0.0	0.1	0.0	0.0	201	48	215,236	76.5%	1,209,834
Inorganic Non-Metal	IN	IN-W309.609	0.2	0.0	0.0	0.0	0.2	0.0	0.0	522	123	215,758	76.7%	1,209,957
Inorganic Non-Metal	RL	RL-W315	0.2	0.1	0.0	0.0	0.1	0.0	0.0	2	0	215,760	76.7%	1,209,958
Heterogeneous	LA	LA-W067	0.2	0.0	0.1	0.1	0.1	0.0	0.0	43	10	215,803	76.7%	1,209,967
Solidified Organics	IN	IN-W167.926	0.2	0.0	0.0	0.0	0.2	0.0	0.0	632	145	216,435	76.9%	1,210,112
Solidified Organics	IN	IN-W167.149	0.2	0.0	0.0	0.0	0.2	0.0	0.0	176	40	216,612	77.0%	1,210,153
Uncategorized Metal	RL	RL-W330	0.2	0.1	0.0	0.0	0.1	0.0	0.0	154	35	216,766	77.0%	1,210,188
Inorganic Non-Metal	IN	IN-W357.850	0.2	0.0	0.0	0.0	0.2	0.0	0.0	1	0	216,767	77.0%	1,210,188
Solidified Inorganics	IN	IN-W218.909	0.2	0.2	0.0	0.0	0.0	0.0	0.0	490	107	217,257	77.2%	1,210,295
Inorganic Non-metal	RF	RF-MT-0438	0.2	0.0	0.0	0.0	0.0	0.0	0.2	2	0	217,259	77.2%	1,210,296
Uncategorized Metal	RL	RL-W327	0.2	0.1	0.0	0.0	0.1	0.0	0.0	318	69	217,577	77.3%	1,210,365
Inorganic Non-Metal	IN	IN-W228.102	0.2	0.2	0.0	0.0	0.0	0.0	0.0	956	208	218,533	77.7%	1,210,573
Uncategorized Metal	RL	RL-W313	0.2	0.1	0.0	0.0	0.1	0.0	0.0	44	10	218,578	77.7%	1,210,583
Combustible	RL	RL-W331	0.2	0.1	0.0	0.0	0.1	0.0	0.0	244	52	218,822	77.8%	1,210,635
Solidified Organics	RL	RL-W333	0.2	0.1	0.0	0.0	0.1	0.0	0.0	6	1	218,828	77.8%	1,210,636
Lead/Cadmium Metal	RL	RL-W317	0.2	0.1	0.0	0.0	0.1	0.0	0.0	5	1	218,833	77.8%	1,210,637
Solidified Inorganics	IN	IN-W257.947	0.2	0.0	0.0	0.0	0.2	0.0	0.0	3	1	218,836	77.8%	1,210,638
Heterogeneous	IN	IN-W189.131	0.2	0.0	0.0	0.0	0.2	0.0	0.0	8	2	218,844	77.8%	1,210,640
Heterogeneous	IN	IN-W189.1048	0.2	0.0	0.0	0.0	0.2	0.0	0.0	24	5	218,868	77.8%	1,210,645
Heterogeneous	IN	IN-W302.913	0.2	0.2	0.0	0.0	0.0	0.0	0.0	408	85	219,276	77.9%	1,210,730
Heterogeneous	IN	IN-W302.299	0.2	0.2	0.0	0.0	0.0	0.0	0.0	113	24	219,389	78.0%	1,210,754
Combustible	RL	RL-W322	0.2	0.1	0.0	0.0	0.1	0.0	0.0	4	1	219,393	78.0%	1,210,755
Lead/Cadmium Metal	RL	RL-W306	0.2	0.1	0.0	0.0	0.1	0.0	0.0	4	1	219,397	78.0%	1,210,756
Lead/Cadmium Metal	RL	RL-W311	0.2	0.1	0.0	0.0	0.1	0.0	0.0	21	4	219,418	78.0%	1,210,760
Combustible	RL	RL-W325	0.2	0.1	0.0	0.0	0.1	0.0	0.0	2	0	219,420	78.0%	1,210,760
Soils	RL	RL-W323	0.2	0.1	0.0	0.0	0.1	0.0	0.0	3	1	219,423	78.0%	1,210,761
Heterogeneous	IN	IN-W203.210	0.2	0.0	0.0	0.2	0.0	0.0	0.0	352	72	219,775	78.1%	1,210,833
Heterogeneous	IN	IN-W203.1081	0.2	0.0	0.0	0.2	0.0	0.0	0.0	3	1	219,778	78.1%	1,210,834
Combustible	RL	RL-W314	0.2	0.1	0.0	0.0	0.1	0.0	0.0	22	5	219,800	78.1%	1,210,839
Lead/Cadmium Metal	RL	RL-W312	0.2	0.1	0.0	0.0	0.1	0.0	0.0	11	2	219,811	78.1%	1,210,841
Combustible	RL	RL-W305	0.2	0.1	0.0	0.0	0.1	0.0	0.0	10	2	219,821	78.1%	1,210,843
Solidified Organics	RL	RL-W329	0.2	0.1	0.0	0.0	0.1	0.0	0.0	10	2	219,831	78.1%	1,210,845
Solidified Organics	RL	RL-W326	0.2	0.1	0.0	0.0	0.1	0.0	0.0	9	2	219,840	78.1%	1,210,847
Lead/Cadmium Metal	RL	RL-W318	0.2	0.1	0.0	0.0	0.1	0.0	0.0	8	2	219,848	78.1%	1,210,848

Table A-3, Generator Waste Stream Totals Sorted by Average PE-Ci/Drum														
Source: TWBIR Database Query, 20 June 96			Concentration of Selected Isotopes (per equivalent drum based on scaled volumes)							Cumulative Total of All Stored Drums				
Final Waste Form	SITE	TWBIR_ID	Av. PECi / Drum	Am-241 PE-Ci WF=1.0	Cm-244 PE-Ci WF=1.9	Pu-238 PE-Ci WF=1.13	Pu-239 PE-Ci WF=1.0	Pu-240 PE-Ci WF=1.0	Pu-241 PE-Ci WF=52.0	Equiv. Stored Drums	Total Pe-Ci	Cum. Equiv. Drums	Drum Percentile	Cum. PE-Ci
Uncategorized Metal	RL	RL-W320	0.2	0.1	0.0	0.0	0.1	0.0	0.0	8	2	219,856	78.1%	1,210,850
Filter	MD	MD-M001	0.2	0.0	0.0	0.2	0.0	0.0	0.0	2	0	219,858	78.1%	1,210,851
Uncategorized Metal	IN	IN-W296.327	0.2	0.0	0.0	0.0	0.1	0.0	0.0	16588	3187	236,446	84.0%	1,214,038
Uncategorized Metal	IN	IN-W296.813	0.2	0.0	0.0	0.0	0.1	0.0	0.0	231	44	236,677	84.1%	1,214,082
Heterogeneous	IN	IN-W334.675	0.2	0.0	0.0	0.0	0.2	0.0	0.0	7	1	236,684	84.1%	1,214,083
Heterogeneous	IN	IN-W334.961	0.2	0.0	0.0	0.0	0.2	0.0	0.0	22	4	236,706	84.1%	1,214,087
Heterogeneous	RL	RL-W304	0.2	0.1	0.0	0.0	0.0	0.0	0.0	12	2	236,718	84.1%	1,214,089
Combustible	IN	IN-W186.187	0.2	0.0	0.0	0.0	0.1	0.0	0.0	12958	2232	249,676	88.7%	1,216,322
Uncategorized Metal	LA	LA-T001	0.2	0.0	0.0	0.1	0.1	0.0	0.0	461	79	250,138	88.9%	1,216,400
Solidified Inorganics	LA	LA-W003	0.2	0.0	0.0	0.0	0.1	0.0	0.0	6142	1016	256,280	91.1%	1,217,416
Inorganic Non-Metal	IN	IN-W278.495	0.2	0.0	0.0	0.0	0.1	0.0	0.0	20	3	256,300	91.1%	1,217,419
Heterogeneous	RL	RL-T106	0.2	0.0	0.0	0.0	0.1	0.0	0.0	39	6	256,339	91.1%	1,217,425
Uncategorized Metal	LA	LA-W009	0.1	0.1	0.0	0.0	0.0	0.0	0.0	692	97	257,030	91.3%	1,217,522
Heterogeneous	RL	RL-T109	0.1	0.0	0.0	0.0	0.1	0.0	0.0	95	13	257,125	91.4%	1,217,535
Heterogeneous	RL	RL-T134	0.1	0.0	0.0	0.0	0.1	0.0	0.0	1	0	257,126	91.4%	1,217,536
Solidified Organics	IN	IN-W309.610	0.1	0.0	0.0	0.0	0.1	0.0	0.0	1696	200	258,822	92.0%	1,217,736
Inorganic Non-Metal	IN	IN-W375.827	0.1	0.0	0.0	0.0	0.1	0.0	0.0	38	4	258,860	92.0%	1,217,740
Heterogeneous	RL	RL-W279	0.1	0.0	0.0	0.0	0.1	0.0	0.0	33	4	258,893	92.0%	1,217,744
Solidified Organics	RL	RL-W280	0.1	0.0	0.0	0.0	0.1	0.0	0.0	1	0	258,894	92.0%	1,217,744
Solidified Organics	RL	RL-W286	0.1	0.0	0.0	0.0	0.1	0.0	0.0	1	0	258,895	92.0%	1,217,744
Filter	IN	IN-W212.1058	0.1	0.0	0.0	0.0	0.1	0.0	0.0	17	2	258,912	92.0%	1,217,746
Inorganic Non-Metal	IN	IN-W357.1022	0.1	0.0	0.0	0.0	0.1	0.0	0.0	3	0	258,915	92.0%	1,217,746
Solidified Organics	IN	IN-W164.1060	0.1	0.0	0.0	0.0	0.1	0.0	0.0	8	1	258,923	92.0%	1,217,747
Solidified Organics	IN	IN-W164.153	0.1	0.0	0.0	0.0	0.1	0.0	0.0	4	0	258,927	92.0%	1,217,748
Solidified Inorganics	IN	IN-W228.101	0.1	0.1	0.0	0.0	0.0	0.0	0.0	1381	150	260,309	92.5%	1,217,898
Solidified Inorganics	IN	IN-W228.883	0.1	0.1	0.0	0.0	0.0	0.0	0.0	2927	319	263,236	93.5%	1,218,217
Combustible	RL	RL-W340	0.1	0.1	0.0	0.0	0.0	0.0	0.0	1	0	263,237	93.5%	1,218,217
Lead/Cadmium Metal	RL	RL-W339	0.1	0.1	0.0	0.0	0.0	0.0	0.0	2	0	263,239	93.5%	1,218,217
Solidified Organics	RL	RL-W338	0.1	0.1	0.0	0.0	0.0	0.0	0.0	1	0	263,240	93.5%	1,218,217
Filter	MD	MD-T010	0.1	0.0	0.0	0.1	0.0	0.0	0.0	2	0	263,242	93.5%	1,218,217
Heterogeneous	OR	OR-W041	0.1	0.0	0.0	0.0	0.1	0.0	0.0	821	74	264,063	93.8%	1,218,291
Heterogeneous	IN	IN-W338.657	0.1	0.0	0.0	0.0	0.1	0.0	0.0	4	0	264,067	93.8%	1,218,292
Heterogeneous	IN	IN-W338.956	0.1	0.0	0.0	0.0	0.1	0.0	0.0	5	0	264,072	93.8%	1,218,292
Solidified Inorganics	IN	IN-W181.162	0.1	0.0	0.0	0.0	0.1	0.0	0.0	46	4	264,118	93.9%	1,218,296

Table A-3, Generator Waste Stream Totals Sorted by Average PE-Ci/Drum														
Source: TWBIR Database Query, 20 June 96			Concentration of Selected Isotopes (per equivalent drum based on scaled volumes)							CumulativeTotal of All Stored Drums				
Final Waste Form	SITE	TWBIR_ID	Av. PECi / Drum	Am-241 PE-Ci WF=1.0	Cm-244 PE-Ci WF=1.9	Pu-238 PE-Ci WF=1.13	Pu-239 PE-Ci WF=1.0	Pu-240 PE-Ci WF=1.0	Pu-241 PE-Ci WF=52.0	Equiv. Stored Drums	Total Pe-Ci	Cum. Equiv. Drums	Drum Percentile	Cum. PE-Ci
Inorganic Non-Metal	RL	RL-W342	0.1	0.1	0.0	0.0	0.0	0.0	0.0	4	0	264,122	93.9%	1,218,296
Uncategorized Metal	RL	RL-W341	0.1	0.1	0.0	0.0	0.0	0.0	0.0	1	0	264,123	93.9%	1,218,296
Combustible	RL	RL-W343	0.1	0.1	0.0	0.0	0.0	0.0	0.0	3	0	264,126	93.9%	1,218,297
Heterogeneous	RL	RL-T115	0.1	0.0	0.0	0.0	0.1	0.0	0.0	4930	391	269,056	95.6%	1,218,687
Inorganic Non-Metal	RL	RL-W367	0.1	0.0	0.0	0.0	0.1	0.0	0.0	14	1	269,070	95.6%	1,218,689
Combustible	RL	RL-W368	0.1	0.0	0.0	0.0	0.1	0.0	0.0	3	0	269,073	95.6%	1,218,689
Uncategorized Metal	IN	IN-W203.212	0.1	0.0	0.0	0.1	0.0	0.0	0.0	1	0	269,074	95.6%	1,218,689
Heterogeneous	IN	IN-W225.800	0.1	0.0	0.0	0.0	0.0	0.0	0.0	5	0	269,079	95.6%	1,218,689
Heterogeneous	IN	IN-W225.127	0.1	0.0	0.0	0.0	0.0	0.0	0.0	104	7	269,183	95.7%	1,218,696
Uncategorized Metal	MD	MD-T006	0.1	0.0	0.0	0.1	0.0	0.0	0.0	282	18	269,465	95.8%	1,218,714
Solidified Organics	RL	RL-W344	0.1	0.1	0.0	0.0	0.0	0.0	0.0	1	0	269,466	95.8%	1,218,714
Combustible	IN	IN-W202.224	0.1	0.0	0.0	0.0	0.0	0.0	0.0	527	33	269,993	95.9%	1,218,747
Combustible	IN	IN-W202.1092	0.1	0.0	0.0	0.0	0.0	0.0	0.0	4	0	269,997	95.9%	1,218,747
Combustible	RL	RL-W360	0.1	0.0	0.0	0.0	0.0	0.0	0.0	23	1	270,020	96.0%	1,218,748
Inorganic Non-Metal	RL	RL-W358	0.1	0.0	0.0	0.0	0.0	0.0	0.0	12	1	270,032	96.0%	1,218,749
Solidified Organics	RL	RL-W361	0.1	0.0	0.0	0.0	0.0	0.0	0.0	3	0	270,035	96.0%	1,218,749
Uncategorized Metal	RL	RL-W359	0.1	0.0	0.0	0.0	0.0	0.0	0.0	80	5	270,115	96.0%	1,218,754
Solidified Inorganics	IN	IN-W375.1096	0.1	0.0	0.0	0.0	0.0	0.0	0.0	22	1	270,137	96.0%	1,218,755
Heterogeneous	RL	RL-T145	0.1	0.0	0.0	0.0	0.0	0.0	0.0	3419	198	273,556	97.2%	1,218,953
Heterogeneous	LL	LL-T003	0.1	0.0	0.0	0.0	0.0	0.0	0.0	691	39	274,246	97.5%	1,218,992
Heterogeneous	IN	IN-W285.815	0.1	0.0	0.0	0.0	0.1	0.0	0.0	11	1	274,258	97.5%	1,218,993
Heterogeneous	IN	IN-W285.471	0.1	0.0	0.0	0.0	0.1	0.0	0.0	303	17	274,561	97.6%	1,219,009
Heterogeneous	IN	IN-W259.552	0.1	0.0	0.0	0.0	0.0	0.0	0.0	48	3	274,609	97.6%	1,219,012
Heterogeneous	IN	IN-W278.1090	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4	0	274,613	97.6%	1,219,012
Heterogeneous	RL	RL-T120	0.0	0.0	0.0	0.0	0.0	0.0	0.0	643	29	275,257	97.8%	1,219,041
Soils	RL	RL-W406	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2	0	275,259	97.8%	1,219,041
Heterogeneous	RL	RL-T122	0.0	0.0	0.0	0.0	0.0	0.0	0.0	141	6	275,400	97.9%	1,219,047
Uncategorized Metal	IN	IN-W228.103	0.0	0.0	0.0	0.0	0.0	0.0	0.0	153	6	275,553	97.9%	1,219,053
Heterogeneous	RL	RL-T143	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1941	70	277,493	98.6%	1,219,122
Soils	MD	MD-T003	0.0	0.0	0.0	0.0	0.0	0.0	0.0	706	22	278,200	98.9%	1,219,144
Heterogeneous	RL	RL-T130	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1	0	278,201	98.9%	1,219,144
Combustible	IN	IN-W336.820	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3	0	278,204	98.9%	1,219,144
Combustible	IN	IN-W336.660	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	1	278,224	98.9%	1,219,145
Heterogeneous	SR	T003-773A-HET	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3	0	278,227	98.9%	1,219,145

Table A-3, Generator Waste Stream Totals Sorted by Average PE-Ci/Drum														
Source: TWBIR Database Query, 20 June 96			Concentration of Selected Isotopes (per equivalent drum based on scaled volumes)							Cumulative Total of All Stored Drums				
Final Waste Form	SITE	TWBIR_ID	Av. PECi / Drum	Am-241 PE-Ci WF=1.0	Cm-244 PE-Ci WF=1.9	Pu-238 PE-Ci WF=1.13	Pu-239 PE-Ci WF=1.0	Pu-240 PE-Ci WF=1.0	Pu-241 PE-Ci WF=52.0	Equiv. Stored Drums	Total Pe-Ci	Cum. Equiv. Drums	Drum Percentile	Cum. PE-Ci
Uncategorized Metal	RL	RL-W373	0.0	0.0	0.0	0.0	0.0	0.0	0.0	386	10	278,613	99.0%	1,219,155
Heterogeneous	RL	RL-T108	0.0	0.0	0.0	0.0	0.0	0.0	0.0	926	22	279,539	99.3%	1,219,177
Solidified Inorganics	IN	IN-W353.859	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3	0	279,542	99.3%	1,219,177
Solidified Inorganics	IN	IN-W353.917	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1	0	279,543	99.3%	1,219,177
Soils	MD	MD-T005	0.0	0.0	0.0	0.0	0.0	0.0	0.0	145	2	279,689	99.4%	1,219,179
Heterogeneous	RL	RL-T105	0.0	0.0	0.0	0.0	0.0	0.0	0.0	387	6	280,075	99.5%	1,219,185
Solidified Inorganics	MD	MD-T001	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20	0	280,095	99.5%	1,219,186
Combustible	IN	IN-W205.1086	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4	0	280,099	99.5%	1,219,186
Combustible	IN	IN-W205.220	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3	0	280,102	99.5%	1,219,186
Combustible	RL	RL-W335	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10	0	280,112	99.5%	1,219,186
Inorganic Non-Metal	RL	RL-W392	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1	0	280,113	99.5%	1,219,186
Heterogeneous	LL	LL-W018	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9	0	280,123	99.5%	1,219,186
Heterogeneous	RL	RL-T113	0.0	0.0	0.0	0.0	0.0	0.0	0.0	206	1	280,328	99.6%	1,219,187
Heterogeneous	RL	RL-T104	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24	0	280,352	99.6%	1,219,187
Heterogeneous	RL	RL-T102	0.0	0.0	0.0	0.0	0.0	0.0	0.0	962	0	281,314	100.0%	1,219,187
Heterogeneous	RL	RL-T125	0.0	0.0	0.0	0.0	0.0	0.0	0.0	73	0	281,387	100.0%	1,219,187
Combustible	RL	RL-W278	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2	0	281,389	100.0%	1,219,187
Inorganic Non-Metal	RL	RL-W336	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2	0	281,391	100.0%	1,219,187
Lead/Cadmium Metal	RL	RL-W277	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3	0	281,394	100.0%	1,219,187
Solidified Inorganics	RL	RL-W281	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2	0	281,396	100.0%	1,219,187
Solidified Organics	RL	RL-W282	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2	0	281,398	100.0%	1,219,187
Inorganic Non-Metal	RL	RL-W352	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1	0	281,399	100.0%	1,219,187
Soils	RL	RL-W351	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1	0	281,400	100.0%	1,219,187
Unknown	RL	RL-W357	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1	0	281,401	100.0%	1,219,187
Lead/Cadmium Metal	LA	LA-W066	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9	0	281,410	100.0%	1,219,187

Table A-4, Scaled Pu Mixes For 55 Gallon Drums and SWBs (Ref. DOE/WIPP 91-058)						Page 1 of 6
91-058 Pu Mixes Scaled to 200 FGE 55 Gallon Drums						
Pu-83 Mix^(a)						
Isotope	Weight %	Mass (g) ^(b)	Specific Activity (Ci/g)	Activity (Ci)	PE-Ci Wt. Factor	PE-Ci ^(c)
Pu-238	80	597.944	1.71E+01	1.02E+04	1.13E+00	9.05E+03
Pu-239	16.3	121.831	6.22E-02	7.58E+00	1.00E+00	7.58E+00
Pu-240	3	22.423	2.28E-01	5.11E+00	1.00E+00	5.11E+00
Pu-241	0.6	4.485	1.03E+02	4.62E+02	5.20E+01	8.88E+00
Pu-242	0.1	0.747	3.93E-03	2.94E-03	1.06E+00	2.77E-03
Totals	100	747.430		10699.45		9070.11
Pu-57 Mix						
Isotope	Weight %	Mass (g) ^(b)	Specific Activity (Ci/g)	Activity (Ci)	PE-Ci Wt. Factor	PE-Ci ^(c)
Pu-238	0.23	0.553	1.71E+01	9.45E+00	1.13E+00	8.36E+00
Pu-239	75.1	180.420	6.22E-02	1.12E+01	1.00E+00	1.12E+01
Pu-240	20.9	50.210	2.28E-01	1.14E+01	1.00E+00	1.14E+01
Pu-241	3.4	8.168	1.03E+02	8.41E+02	5.20E+01	1.62E+01
Pu-242	0.45	1.081	3.93E-03	4.25E-03	1.06E+00	4.01E-03
Totals	100.08	240.432		873.44		47.22
Pu-51 Mix						
Isotope	Weight %	Mass (g) ^(b)	Specific Activity (Ci/g)	Activity (Ci)	PE-Ci Wt. Factor	PE-Ci ^(c)
Pu-238	0.014	0.030	1.71E+01	5.05E-01	1.13E+00	4.47E-01
Pu-239	93.55	197.175	6.22E-02	1.23E+01	1.00E+00	1.23E+01
Pu-240	5.888	12.410	2.28E-01	2.83E+00	1.00E+00	2.83E+00
Pu-241	0.536	1.130	1.03E+02	1.16E+02	5.20E+01	2.24E+00
Pu-242	0.023	0.048	3.93E-03	1.91E-04	1.06E+00	1.80E-04
Totals	100.011	210.793		131.96		17.79

Table A-4, Scaled Pu Mixes For 55 Gallon Drums and SWBs (Ref. DOE/WIPP 91-058)						Page 2 of 6
91-058 Pu Mixes Scaled to 200 FGE 55 Gallon Drums						
Pu-52 Mix						
Isotope	Weight %	Mass (g) ^(b)	Specific Activity (Ci/g)	Activity (Ci)	PE-Ci. Wt. Factor	PE-Ci ^(c)
Pu-238	0.01	0.021	1.71E+01	3.61E-01	1.13E+00	3.19E-01
Pu-239	93.89	198.108	6.22E-02	1.23E+01	1.00E+00	1.23E+01
Pu-240	5.75	12.133	2.28E-01	2.77E+00	1.00E+00	2.77E+00
Pu-241	0.34	0.717	1.03E+02	7.39E+01	5.20E+01	1.42E+00
Pu-242	0.02	0.042	3.93E-03	1.66E-04	1.06E+00	1.56E-04
Totals	100.01	211.0211		89.33		16.83
Pu-53 Mix						
Isotope	Weight %	Mass (g) ^(b)	Specific Activity (Ci/g)	Activity (Ci)	PE-Ci Wt. Factor	PE-Ci ^(c)
Pu-238	0.03	0.065	1.71E+01	1.11E+00	1.13E+00	9.79E-01
Pu-239	90.82	195.853	6.22E-02	1.22E+01	1.00E+00	1.22E+01
Pu-240	8.3	17.899	2.28E-01	4.08E+00	1.00E+00	4.08E+00
Pu-241	0.77	1.661	1.03E+02	1.71E+02	5.20E+01	3.29E+00
Pu-242	0.09	0.194	3.93E-03	7.63E-04	1.06E+00	7.20E-04
Totals	100.01	215.671565		188.39		20.53
Pu-54 Mix						
Isotope	Weight %	Mass (g) ^(b)	Specific Activity (Ci/g)	Activity (Ci)	PE-Ci Wt. Factor	PE-Ci ^(c)
Pu-238	0.05	0.111	1.71E+01	1.89E+00	1.13E+00	1.68E+00
Pu-239	86.36	191.279	6.22E-02	1.19E+01	1.00E+00	1.19E+01
Pu-240	11.75	26.025	2.28E-01	5.93E+00	1.00E+00	5.93E+00
Pu-241	1.63	3.610	1.03E+02	3.72E+02	5.20E+01	7.15E+00
Pu-242	0.21	0.465	3.93E-03	1.83E-03	1.06E+00	1.72E-03
Totals	100	221.49		391.72		26.66

Table A-4, Scaled Pu Mixes For 55 Gallon Drums and SWBs (Ref. DOE/WIPP 91-058)						Page 3 of 6
91-058 Pu Mixes Scaled to 200 FGE 55 Gallon Drums						
Pu-55 Mix						
Isotope	Weight %	Mass (g) ^(b)	Specific Activity (Ci/g)	Activity (Ci)	PE-Ci Wt. Factor	PE-Ci ^(c)
Pu-238	0.02	0.046	1.71E+01	7.91E-01	1.13E+00	7.00E-01
Pu-239	83.7	193.498	6.22E-02	1.20E+01	1.00E+00	1.20E+01
Pu-240	14.9	34.446	2.28E-01	7.85E+00	1.00E+00	7.85E+00
Pu-241	1.1	2.543	1.03E+02	2.62E+02	5.20E+01	5.04E+00
Pu-242	0.24	0.555	3.93E-03	2.18E-03	1.06E+00	2.06E-03
Totals	99.96	231.087528		282.64		25.63
Pu-56 Mix						
Isotope	Weight %	Mass (g) ^(b)	Specific Activity (Ci/g)	Activity (Ci)	PE-Ci Wt. Factor	PE-Ci ^(c)
Pu-238	0.014	0.032	1.71E+01	5.54E-01	1.13E+00	4.90E-01
Pu-239	80.5	186.148	6.22E-02	1.16E+01	1.00E+00	1.16E+01
Pu-240	16	36.998	2.28E-01	8.44E+00	1.00E+00	8.44E+00
Pu-241	2.5	5.781	1.03E+02	5.95E+02	5.20E+01	1.15E+01
Pu-242	0.74	1.711	3.93E-03	6.72E-03	1.06E+00	6.34E-03
Totals	99.754	230.6711496		615.60		32.01
91-058 Pu Mixes Scaled to 325g for SWB						
Pu-83 Mix						
Isotope	Weight %	Mass (g) ^(b)	Specific Activity (Ci/g)	Activity (Ci)	PE-Ci Wt. Factor	PE-Ci ^(c)
Pu-238	80	971.656	1.71E+01	1.66E+04	1.13E+00	1.47E+04
Pu-239	16.3	197.975	6.22E-02	1.23E+01	1.00E+00	1.23E+01
Pu-240	3	36.437	2.28E-01	8.31E+00	1.00E+00	8.31E+00
Pu-241	0.6	7.287	1.03E+02	7.51E+02	5.20E+01	1.44E+01
Pu-242	0.1	1.215	3.93E-03	4.77E-03	1.06E+00	4.50E-03
Totals	100	1214.57		17371.61		14739.00

Table A-4, Scaled Pu Mixes For 55 Gallon Drums and SWBs (Ref. DOE/WIPP 91-058)						Page 4 of 6
91-058 Pu Mixes Scaled to 200 FGE 55 Gallon Drums						
Pu-57 Mix						
Isotope	Weight %	Mass (g) ^(b)	Specific Activity (Ci/g)	Activity (Ci)	PE-Ci Wt. Factor	PE-Ci ^(c)
Pu-238	0.23	0.898	1.71E+01	1.54E+01	1.13E+00	1.36E+01
Pu-239	75.1	293.183	6.22E-02	1.82E+01	1.00E+00	1.82E+01
Pu-240	20.9	81.592	2.28E-01	1.86E+01	1.00E+00	1.86E+01
Pu-241	3.4	13.273	1.03E+02	1.37E+03	5.20E+01	2.63E+01
Pu-242	0.45	1.757	3.93E-03	6.90E-03	1.06E+00	6.51E-03
Totals	100.08	390.702312		1422.21		76.72
Pu-51 Mix						
Isotope	Weight %	Mass (g) ^(b)	Specific Activity (Ci/g)	Activity (Ci)	PE-Ci Wt. Factor	PE-Ci ^(c)
Pu-238	0.014	0.048	1.71E+01	8.20E-01	1.13E+00	7.26E-01
Pu-239	93.55	320.381	6.22E-02	1.99E+01	1.00E+00	1.99E+01
Pu-240	5.888	20.165	2.28E-01	4.60E+00	1.00E+00	4.60E+00
Pu-241	0.536	1.836	1.03E+02	1.89E+02	5.20E+01	3.64E+00
Pu-242	0.023	0.079	3.93E-03	3.10E-04	1.06E+00	2.92E-04
Totals	100.011	342.5076717		214.32		28.90
Pu-52 Mix						
Isotope	Weight %	Mass (g) ^(b)	Specific Activity (Ci/g)	Activity (Ci)	PE-Ci Wt. Factor	PE-Ci ^(c)
Pu-238	0.01	0.034	1.71E+01	5.86E-01	1.13E+00	5.19E-01
Pu-239	93.89	321.930	6.22E-02	2.00E+01	1.00E+00	2.00E+01
Pu-240	5.75	19.716	2.28E-01	4.50E+00	1.00E+00	4.50E+00
Pu-241	0.34	1.166	1.03E+02	1.20E+02	5.20E+01	2.31E+00
Pu-242	0.02	0.069	3.93E-03	2.70E-04	1.06E+00	2.54E-04
Totals	100.01	342.914288		145.09		27.35

Table A-4, Scaled Pu Mixes For 55 Gallon Drums and SWBs (Ref. DOE/WIPP 91-058)						Page 5 of 6
91-058 Pu Mixes Scaled to 200 FGE 55 Gallon Drums						
Pu-53 Mix						
Isotope	Weight %	Mass (g) ^(b)	Specific Activity (Ci/g)	Activity (Ci)	PE-Ci Wt. Factor	PE-Ci ^(c)
Pu-238	0.03	0.105	1.71E+01	1.80E+00	1.13E+00	1.59E+00
Pu-239	90.82	318.261	6.22E-02	1.98E+01	1.00E+00	1.98E+01
Pu-240	8.3	29.086	2.28E-01	6.63E+00	1.00E+00	6.63E+00
Pu-241	0.77	2.698	1.03E+02	2.78E+02	5.20E+01	5.34E+00
Pu-242	0.09	0.315	3.93E-03	1.24E-03	1.06E+00	1.17E-03
Totals	100.01	350.465043		306.23		33.36
Pu-54 Mix						
Isotope	Weight %	Mass (g) ^(b)	Specific Activity (Ci/g)	Activity (Ci)	PE-Ci Wt. Factor	PE-Ci ^(c)
Pu-238	0.05	0.180	1.71E+01	3.08E+00	1.13E+00	2.72E+00
Pu-239	86.36	310.827	6.22E-02	1.93E+01	1.00E+00	1.93E+01
Pu-240	11.75	42.291	2.28E-01	9.64E+00	1.00E+00	9.64E+00
Pu-241	1.63	5.867	1.03E+02	6.04E+02	5.20E+01	1.16E+01
Pu-242	0.21	0.756	3.93E-03	2.97E-03	1.06E+00	2.80E-03
Totals	100	359.92		636.02		43.32
Pu-55 Mix						
Isotope	Weight %	Mass (g) ^(b)	Specific Activity (Ci/g)	Activity (Ci)	PE-Ci Wt. Factor	PE-Ci ^(c)
Pu-238	0.02	0.075	1.71E+01	1.28E+00	1.13E+00	1.14E+00
Pu-239	83.7	314.436	6.22E-02	1.96E+01	1.00E+00	1.96E+01
Pu-240	14.9	55.975	2.28E-01	1.28E+01	1.00E+00	1.28E+01
Pu-241	1.1	4.132	1.03E+02	4.26E+02	5.20E+01	8.19E+00
Pu-242	0.24	0.902	3.93E-03	3.54E-03	1.06E+00	3.34E-03
Totals	99.96	375.519732		459.68		41.65

Table A-4, Scaled Pu Mixes For 55 Gallon Drums and SWBs (Ref. DOE/WIPP 91-058) Page 6 of 6						
91-058 Pu Mixes Scaled to 200 FGE 55 Gallon Drums						
Pu-56 Mix						
Isotope	Weight %	Mass (g) ^(b)	Specific Activity (Ci/g)	Activity (Ci)	PE-Ci Wt. Factor	PE-Ci ^(c)
Pu-238	0.014	0.053	1.71E+01	9.00E-01	1.13E+00	7.96E-01
Pu-239	80.5	302.495	6.22E-02	1.88E+01	1.00E+00	1.88E+01
Pu-240	16	60.123	2.28E-01	1.37E+01	1.00E+00	1.37E+01
Pu-241	2.5	9.394	1.03E+02	9.68E+02	5.20E+01	1.86E+01
Pu-242	0.74	2.781	3.93E-03	1.09E-02	1.06E+00	1.03E-02
Totals	99.754	374.8456058		1001.41		51.94

Notes:

- a. It is noted that thermal power limitations will limit the transuranic content for this mix to a value that is less than the content allowable based on the WAC Nuclear Criticality Limits. However, the calculations are performed here for comparison purposes.
- b. Isotopic mass scaled to 200 Pu-239 Fissile Gram Equivalents (FGEs) for 55-gal drums and 325 FGEs for Standard Waste Boxes. The following equation is used to calculate the scaled isotopic masses:

$$Pu-239 \text{ FGE} = \sum_{i=1}^n * M_i (\text{FGE Factor})_i$$

where: Pu-239 FGE = 200g for drums or 325g for SWBs

M_i = mass of isotope I = (wt% i) (Total FGE scaled mass, MPu, of Pu in grams)

FGE Factor_i = FGE Factor from Table 10.1 of Nu Pac TRUPACT-II SAR

for example, for 55-gal drums:

$$200g = (\text{wt\% Pu-238})(MPu)(1.13E-01) + (\text{wt\% Pu-239})(MPu)(1) + (\text{wt\% Pu-240})(MPu)(2.25E-02) + (\text{wt\% Pu-241})(MPu)(2.25) + (\text{wt\% Pu-242})(MPu)(7.5E-03)$$

- c. Pu-239 Equivalent Curies (PE-Ci) are calculated using the following equation:

$$PE-Ci_{mix} = \sum_{i=1}^n * \frac{M_i * (\text{Specific Activity Ci/g})}{PE-Ci \text{ Weighting Factor}}$$

See Appendix B for PE-Ci Weighting Factors

Table A-5 Random Binomial Sampling from the Distribution of All Equivalent 55 Gallon Waste Containers
 Sheet 1 of 8 - See Sheets 7 & 8 for a discussion of the calculation.

From Table A-3

Description	Value	Source
Percentage of All Drums > 20 PE-Ci	2.7%	Drum Percentile of Waste Stream RF-TT0491 (Av. = 18.9 PE-Ci/ Drum)
Percentage of All Drums > 2.7 PE-Ci*	36%	Drum Percentile of Waste Stream MD-T012 (Av. = 2.7 PE-Ci/ Drum)
Percentage of All Drums > 2.7 PE-Ci, given they are < 20 PE-Ci	37%	= 0.364/(1-0.027)

* Average Loading of 8 Pe-Ci/drum is obtained for a population between 2.7 and 20 PE-Ci.

Seven Drums Damaged (Refer to Sheet 2)

Number of Drums with TRU Loading > 20 PE-Ci (Assumed = 80 PE-Ci)	Remaining Drums Having TRU Loading > 2.7 PE-Ci (Average = 8 PE-Ci)	Assumed MAR (PE-Ci) in Loading Combination *Reasonable Maximum	Probability of Damaging the Combination of Drums During Waste Handling	Probability of Damaged Drums Having TRU Loading ≤ MAR
3	Any Number (0-4)	> 240	6.2E-04	99.998%
2	Any Number (0-5)	> 160	1.3E-02	99.9%
1	6	128*	4.4E-04	98.6%
1	5	120	4.4E-03	98.6%
1	4	112	1.8E-02	98%
1	3	104	4.1E-02	96%
1	2	96	5.2E-02	92%
1	1	88	3.5E-02	87%
1	0	80	9.6E-03	84%
0	Any Number (0-7)	Low	8.3E-01	83%

Four Drums Damaged (Refer to Sheet 3)

Number of Drums with TRU Loading > 20 PE-Ci (Assumed = 80 PE-Ci)	Remaining Drums Having TRU Loading > 2.7 PE-Ci (Average = 8 PE-Ci)	Assumed MAR (PE-Ci) in Loading Combination *Reasonable Maximum	Probability of Damaging the Combination of Drums During Waste Handling	Probability of Damaged Drums Having TRU Loading ≤ MAR
3	Any Number (0-1)	> 240	7.7E-05	100%
2	Any Number (0-2)	> 160	4.1E-03	99.99%
1	3	104*	5.2E-03	99.6%
1	2	96	2.6E-02	99%
1	1	88	4.4E-02	96%
1	0	80	2.4E-02	92%
0	Any Number (0-4)	Low	9.0E-01	90%

Two Drums Damaged (Refer to Sheet 4)

Number of Drums with TRU Loading > 20 PE-Ci (Assumed = 80 PE-Ci)	Remaining Drums Having TRU Loading > 2.7 PE-Ci (Average = 8 PE-Ci)	Assumed MAR (PE-Ci) in Loading Combination *Reasonable Maximum	Probability of Damaging the Combination of Drums During Waste Handling	Probability of Damaged Drums Having TRU Loading ≤ MAR
2	0	> 160	7.3E-04	100.0%
1	1	88*	2.0E-02	99.9%
1	0	80	3.3E-02	98%
0	2	Low	9.5E-01	95%

Table A-5 Random Binomial Sampling from the Distribution of All Equivalent 55 Gallon Waste Containers (Sheet 2 of 8)

Scenarios Where 7 Drums are Damaged

Heaviest Loaded Drum**

Number Drums, n > 20 PE-Ci	Total Drums Damaged	P(Single Drum > 20 PE-Ci)	P(n drums > 20 PE-Ci)	P($\geq n$ drums > 20 PE-Ci)
7	7	2.7E-02	1.0E-11	1.0E-11
6	7	2.7E-02	2.6E-09	2.6E-09
5	7	2.7E-02	2.9E-07	2.9E-07
4	7	2.7E-02	1.7E-05	1.7E-05
3	7	2.7E-02	6.2E-04	6.3E-04
2	7	2.7E-02	1.3E-02	1.4E-02
1	7	2.7E-02	1.6E-01	1.7E-01
0	7	2.7E-02	8.3E-01	1.0E+00

Given the remaining drums are < 20 PE-Ci**

Number Drums, m > 2.7 PE-Ci	Total Remaining Drums	P(Single Drum > 2.7 PE-Ci)	P(m drums > 2.7 PE-Ci)	P($\geq m$ drums > 2.7 PE-Ci)
6	6	3.7E-01	2.7E-03	2.7E-03
5	6	3.7E-01	2.8E-02	3.0E-02
4	6	3.7E-01	1.2E-01	1.5E-01
3	6	3.7E-01	2.6E-01	4.0E-01
2	6	3.7E-01	3.2E-01	7.2E-01
1	6	3.7E-01	2.2E-01	9.4E-01
0	6	3.7E-01	6.0E-02	1.0E+00

Considering all drums in the MAR group**

Number Drums, n > 20 PE-Ci	Number drums, m > 2.7 PE-Ci	P(n drums > 20 PE-Ci)	P($\geq m$ drums > 2.7 PE-Ci)	Joint Probability
3	Any Number (0-4)	6.2E-04	1.0E+00	6.2E-04
2	Any Number (0-5)	1.3E-02	1.0E+00	1.3E-02
1	6	1.6E-01	2.7E-03	4.4E-04
1	5	1.6E-01	2.8E-02	4.4E-03
1	4	1.6E-01	1.2E-01	1.8E-02
1	3	1.6E-01	2.6E-01	4.1E-02
1	2	1.6E-01	3.2E-01	5.2E-02
1	1	1.6E-01	2.2E-01	3.5E-02
1	0	1.6E-01	6.0E-02	9.6E-03
0	Any Number (0-6)	8.3E-01	1.0E+00	8.3E-01

**See Sheets 5 & 6 for a discussion of the calculation.

Table A-5 Random Binomial Sampling from the Distribution of All Equivalent 55 Gallon Waste Containers (Sheet 3 of 8)

Scenarios Where 4 Drums are Damaged

Heaviest Loaded Drum**

Number Drums, n > 20 PE-Ci	Total Drums Damaged	P(Single Drum > 20 PE-Ci)	P(n drums > 20 PE-Ci)	P(≥n drums > 20 PE-Ci)
4	4	2.7E-02	5.3E-07	5.3E-07
3	4	2.7E-02	7.7E-05	7.7E-05
2	4	2.7E-02	4.1E-03	4.2E-03
1	4	2.7E-02	9.9E-02	1.0E-01
0	4	2.7E-02	9.0E-01	1.0E+00

Given the remaining drums are < 20 PE-Ci**

Number Drums, m > 2.7 PE-Ci	Total Remaining Drums	P(Single Drum > 2.7 PE-Ci)	P(m drums > 2.7 PE-Ci)	P(≥m drums > 2.7 PE-Ci)
3	3	3.7E-01	5.2E-02	5.2E-02
2	3	3.7E-01	2.6E-01	3.2E-01
1	3	3.7E-01	4.4E-01	7.5E-01
0	3	3.7E-01	2.5E-01	1.0E+00

Considering all drums in the MAR group**

Number Drums n > 20 PE-Ci	Number drums, m > 2.7 PE-Ci	P(n drums > 20 PE-Ci)	P(≥m drums > 2.7 PE-Ci)	Joint Probability
2	Any Number (0-2)	4.1E-03	1.0E+00	4.1E-03
1	3	9.9E-02	5.2E-02	5.2E-03
1	2	9.9E-02	2.6E-01	2.6E-02
1	1	9.9E-02	4.4E-01	4.4E-02
1	0	9.9E-02	2.5E-01	2.4E-02
0	Any Number (0-4)	9.0E-01	1.0E+00	9.0E-01

**See Sheets 5 & 6 for a discussion of the calculation.

Table A-5 Random Binomial Sampling from the Distribution of All Equivalent 55 Gallon Waste Containers (Sheet 4 of 8)

Scenarios Where Two Drums Are Damaged

Heaviest Loaded Drums**

Number Drums, n > 20 PE-Ci	Total Drums Damaged	P(Single Drum > 20 PE-Ci)	P(n drums > 20 PE-Ci)	P(≥n drums > 20 PE-Ci)
2	2	2.7E-02	7.3E-04	1.0E+00
1	2	2.7E-02	5.3E-02	9.99E-01
0	2	2.7E-02	9.5E-01	9.5E-01

Given the remaining damaged drums are < 20 PE-Ci**

Number Drums, m > 2.7 PE-Ci	Total Remaining Drums	P(Single Drum > 2.7 PE-Ci)	P(m drums > 2.7 PE-Ci)	P(≥m drums > 2.7 PE-Ci)
1	1	3.7E-01	3.7E-01	3.7E-01
0	1	3.7E-01	6.3E-01	1.0E+00

Considering all drums in the MAR group**

Number Drums, n > 20 PE-Ci	Number drums, m > 2.7 PE-Ci	P(n drums > 20 PE-Ci)	P(≥m drums > 2.7 PE-Ci)	Joint Probability
2	0	7.3E-04	1.0E+00	7.3E-04
1	1	5.3E-02	3.7E-01	2.0E-02
1	0	5.3E-02	6.3E-01	3.3E-02
0	Any Number (0-2)	9.5E-01	1.0E+00	9.5E-01

**See Sheets 5 & 6 for a discussion of the calculation.

Table A-5 - Random Binomial Sampling from the Distribution of All Equivalent 55 Gallon Waste Containers (Sheet 5 of 8)

Scenarios Where 21 Drums are Damaged

Heaviest Loaded Drum**

Number Drums, n > 20 PE-Ci	Total Drums Damaged	P(Single Drum > 20 PE-Ci)	P(n drums > 20 PE-Ci)	P(≥n drums > 20 PE-Ci)
7	21	2.7E-02	8.3E-07	8.3E-07
6	21	2.7E-02	1.4E-05	1.5E-05
5	21	2.7E-02	1.9E-04	2.0E-04
4	21	2.7E-02	2.0E-03	2.2E-03
3	21	2.7E-02	1.6E-02	1.8E-02
2	21	2.7E-02	9.1E-02	1.1E-01
1	21	2.7E-02	3.3E-01	4.4E-01
0	21	2.7E-02	5.6E-01	1.0E+00

Given the remaining drums are < 20 PE-Ci**

Number Drums, m > 2.7 PE-Ci	Total Remaining Drums	P(Single Drum > 2.7 PE-Ci)	P(m drums > 2.7 PE-Ci)	P(≥m drums > 2.7 PE-Ci)
20	20	3.7E-01	2.9E-09	2.9E-09
19	20	3.7E-01	9.6E-08	9.9E-08
18	20	3.7E-01	1.5E-06	1.6E-06
17	20	3.7E-01	1.5E-05	1.7E-05
16	20	3.7E-01	1.1E-04	1.3E-04
15	20	3.7E-01	5.9E-04	7.1E-04
14	20	3.7E-01	2.5E-03	3.2E-03
13	20	3.7E-01	8.2E-03	1.1E-02
12	20	3.7E-01	2.2E-02	3.4E-02
11	20	3.7E-01	5.0E-02	8.3E-02
10	20	3.7E-01	9.2E-02	1.7E-01
9	20	3.7E-01	1.4E-01	3.1E-01
8	20	3.7E-01	1.7E-01	4.9E-01
7	20	3.7E-01	1.8E-01	6.7E-01
6	20	3.7E-01	1.5E-01	8.2E-01
5	20	3.7E-01	1.0E-01	9.2E-01
4	20	3.7E-01	5.3E-02	9.7E-01
3	20	3.7E-01	2.1E-02	9.9E-01
2	20	3.7E-01	5.8E-03	1.0E+00
1	20	3.7E-01	1.0E-03	1.0E+00
0	20	3.7E-01	8.5E-05	1.0E+00

Table A-5 - Random Binomial Sampling from the Distribution of All Equivalent 55 Gallon Waste Containers (Sheet 6 of 8)

Scenarios Where 28 Drums are Damaged

Heaviest Loaded Drum**

Number Drums, n > 20 PE-Ci	Total Drums Damaged	P(Single Drum > 20 PE-Ci)	P(n drums > 20 PE-Ci)	P(≥n drums > 20 PE-Ci)
9	28	2.7E-02	3.1E-08	3.1E-08
8	28	2.7E-02	5.1E-07	5.4E-07
7	28	2.7E-02	7.0E-06	7.5E-06
6	28	2.7E-02	8.0E-05	8.7E-05
5	28	2.7E-02	7.5E-04	8.4E-04
4	28	2.7E-02	5.6E-03	6.5E-03
3	28	2.7E-02	3.3E-02	3.9E-02
2	28	2.7E-02	1.4E-01	1.7E-01
1	28	2.7E-02	3.6E-01	5.4E-01
0	28	2.7E-02	4.6E-01	1.0E+00

Given the remaining drums are < 20 PE-Ci**

Number Drums, m > 2.7 PE-Ci	Total Remaining Drums	P(Single Drum > 2.7 PE-Ci)	P(m drums > 2.7 PE-Ci)	P(≥m drums > 2.7 PE-Ci)
28	28	3.7E-01	1.1E-12	1.1E-12
27	28	3.7E-01	5.2E-11	5.3E-11
26	28	3.7E-01	1.2E-09	1.2E-09
25	28	3.7E-01	1.7E-08	1.8E-08
24	28	3.7E-01	1.8E-07	2.0E-07
23	28	3.7E-01	1.4E-06	1.6E-06
22	28	3.7E-01	9.1E-06	1.1E-05
21	28	3.7E-01	4.8E-05	5.9E-05
20	28	3.7E-01	2.1E-04	2.7E-04
19	28	3.7E-01	7.8E-04	1.1E-03
18	28	3.7E-01	2.5E-03	3.5E-03
17	28	3.7E-01	6.8E-03	1.0E-02
16	28	3.7E-01	1.6E-02	2.7E-02
15	28	3.7E-01	3.3E-02	6.0E-02
14	28	3.7E-01	6.0E-02	1.2E-01
13	28	3.7E-01	9.3E-02	2.1E-01
12	28	3.7E-01	1.3E-01	3.4E-01
11	28	3.7E-01	1.5E-01	4.9E-01
10	28	3.7E-01	1.5E-01	6.4E-01
9	28	3.7E-01	1.3E-01	7.8E-01
8	28	3.7E-01	1.0E-01	8.8E-01
7	28	3.7E-01	6.5E-02	9.4E-01
6	28	3.7E-01	3.4E-02	9.8E-01
5	28	3.7E-01	1.5E-02	9.9E-01
4	28	3.7E-01	5.2E-03	1.0E+00
3	28	3.7E-01	1.4E-03	1.0E+00
2	28	3.7E-01	2.7E-04	1.0E+00
1	28	3.7E-01	3.4E-05	1.0E+00
0	28	3.7E-01	2.0E-06	1.0E+00

Table A-5 Random Binomial Sampling from the Distribution of All Equivalent 55 Gallon Waste Containers, Sheet 7 of 8

Notes:

The frequency of accident scenarios calculated in this SAR is based on the entire throughput of waste containers that will be handled at the WIPP. The consequences of accident scenarios calculated in this SAR assumes that the drums involved have the distributions of drums with conservative TRU waste loading profiles that satisfy the guidelines of DOE-STD-3009-94 and its draft appendix, which state that the consequences should "represent a reasonable maximum for a given process or activity, as opposed to artificial maximums unrepresentative of actual conditions." To meet these guidelines, two drum loads are used for consequence calculations, 80 PE-Ci and 8 PE-Ci. For scenarios resulting in damaged drums, the following drum loadings were assumed. The justification for the selection of these loading values are given in Section 5.1.2.1.

Total Number of Drums Damaged	No. of Drums with Loading = 80 PE-Ci of TRU Waste	No. of Drums with Loading = 8 PE-Ci of TRU Waste	Maximum Reasonable MAR (PE-Ci)
7	1	6	128
4	1	3	104
2	1	1	88

Based on the sort of the BIR given in Table A-3, which lists the waste stream information available in the BIR, only a small fraction of the drums that are currently stored at generator sites have TRU waste concentrations that approach or exceed these loadings. For the purpose of demonstrating that this selection will result in conservatively estimated consequences, this table calculates the probability that any given group of drums damaged in the assumed accident will contain the loading of TRU waste used for the consequence calculations.

Assumptions - To accomplish the calculation, the following assumptions are used:

- The waste containers are loaded for shipment randomly with respect to their radionuclide content. This assumption is reasonable, because waste containers are not normally stored by waste stream or content at the generator sites.
- The probability of selecting a given set of drums is a constant value determined from the fraction of equivalent 55 gallon drums that are in the range of TRU waste content reported in the BIR. This assumption is reasonable, since the BIR is the best information currently available to the WIPP regarding the distribution of TRU waste concentration within waste containers.
- The population from which the drums are selected is sufficiently large that the probability of selecting another drum in the same range of loading will not be affected by previous selections. Since the population consists of over 250,000 drums, this assumption is reasonable.
- Based on the above information, a binomial sampling process may be modeled, in which the probability of selecting a drum from a given range of drum loadings is a constant value over all trials.

Table A-5 Random Binomial Sampling from the Distribution of All Equivalent 55 Gallon Waste Containers, Sheet 8 of 8

Calculations -

Sheet 1 presents the probabilities that individual drums will be within specified ranges of TRU waste content and states where they were obtained from within Table A-3. It also summarizes the results of the sampling calculations. Sheets 2 through 4 show the detailed calculations for each quantity of drums that may be damaged during a postulated accident.

Sheet 1 summarizes the calculations for the three quantities of drums that can be damaged. Each summary is sorted from high to low MAR. The combination of drums that produce the MAR is given in the first two columns. The fourth column relates the probability of that specific combination of drums being damaged, given that total quantity of drums are damaged. The fifth column expresses the probability of damaging a group of drums having the indicated MAR or less. The highlighted rows indicate the combination of drums that constitute the "reasonable maximum" MAR assumed for accident consequence assessment in Section 5.2 of the Safety Analysis Report. It can be seen from the fifth column that the "reasonable maximum" MAR is greater than the quantity of TRU waste that is expected to be found in over 98% of the combinations of drums damaged in an accident, which makes it a conservative assumption.

The binomial calculations are accomplished in the top two tables of Sheets 2 through 4 using the BINOMDIST of the Excel program, which is explained below:

`BINOMDIST(number_s, trials, probability_s, cumulative= FALSE)` (Result given in Column 4)

where

number_s	Number of drums within PE-Ci range (eg. > 20 PE-Ci) (Column 1)
trials	Total number of damaged drums (Column 2)
probability_s	Probability an individual drum is within the PE-Ci range (eg. P(drum > 20 PE-Ci) (Column 3)
cumulative	Set to FALSE to indicate calculation of only one combination of drums. (The cumulative probability was obtained by summing Column 4 within Column 5)

The top tables on Sheets 2 through 4 calculate the probability of having any number of drums containing TRU waste > 20 PE-Ci/drum in a random group of damaged drums, based on the binomial sampling.

The second table shows the probability that any number of the remaining drums will have > 2.7 PE-Ci. The 2.7 PE-Ci was selected, because the MAR assumed a conservative average drum of 8 PE-Ci. According to Table A-3, the average TRU waste loading of all the drums between 20 and 2.7 PE-Ci is 8 PE-Ci.

The third table shows the joint probability of damaging various combinations of > 20 PE-Ci and average 8 PE-Ci drums. This table forms the input to Sheet 1.