

TABLE C-3 (continued)
SAFSTOR COST ESTIMATE FOR SUSQUEHANNA STEAM ELECTRIC STATION UNIT 1

ACTIVITY	Decon	Remove	Pack	SHIP	BURY	Other	CRIGCV	Total	LICITR#	Clean A	CF	B CF	C CF	>C CF	M-Hrs	M-Rem
Period 4 Undistributed Costs																
1. Decon equipment						189	28	217	217							
2. Decon supplies						401	100	502	502							
3. DOC staff relocation expenses						737	110	847	847							
4. Process liquid waste	408		696	687	4758		1090	7638	7638			10381			847	20
5. Insurance						948	95	1043	1043							
6. Property taxes						30	3	33	30	3						
7. Health physics supplies						2778	694	3472	3472							
8. Heavy equipment rental						5047	757	5804	5223	580						
9. Small tool allowance						400	60	460	414	46						
10. Pipe cutting equipment						587	88	675	675							
11. Disposal of DAW generated			702	14	2457		441	3614	3614		8521				22723	57
12. Plant energy budget						2469	370	2839	2555	284						
13. NRC fees						307	31	337	337							
Subtotal Undistributed Costs Period 4	408		1398	700	7214	13892	3869	27481	26568	914	8521	10381			23569	76
Staff Costs																
DOC Staff Cost						16968	2545	19513	19513							
Utility Staff Cost						41943	6291	48235	48235							
TOTAL PERIOD 4	7122	22903	8341	2719	69423	96580	39733	246821	242903	3917	199644	12812	408	226	704182	1882
PERIOD 5																
Demolition of Remaining Site Buildings																
25.1 Reactor			16064				2410	18473	924	17550					341322	
25.2 Cooling Tower			2639				396	3035		3035					56276	
25.3 Transformer Foundation Unit 1			54				8	62		62					1109	
25.4 Turbine			10627				1594	12221	611	11610					223708	
25. Totals			29383				4408	33791	1535	32256					622416	
Site Closeout Activities																
26. Grade & landscape site			1892				284	2176		2176					10035	
27. Final report to NRC						103	15	118	118							
Subtotal Period 5 Activity Costs			31275			103	4707	36085	1653	34432					632450	

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TABLE C-3 (continued)
SAFSTOR COST ESTIMATE FOR SUSQUEHANNA STEAM ELECTRIC STATION UNIT 1

Activity	Decon	Remove	Pack	Ship	Bury	Other	Contgcy	Total	LicTerm	Clean A	CF	B CF	C CF	>C CF	M-Hrs	M-Rem
Period 5 Undistributed costs																
1. Insurance						396	40	435	435							
2. Property taxes						55	6	61		61						
3. Heavy equipment rental						1927	289	2216		2216						
4. Small tool allowance						369	55	425		425						
5. Plant energy budget						398	60	457		457						
Subtotal Undistributed Costs Period 5						3145	449	3594	435	3159						
Staff Costs																
DOC Staff cost						3220	483	3703		3703						
Utility Staff Cost						923	138	1061	955	106						
TOTAL PERIOD 5		31275				7391	5777	44443	3043	41400					632450	
TOTAL COST TO DECOMMISSION	10192	54461	9042	2959	73964	195833	62109	408561	361876	46685	212107	15092	408	226	1430003	1941
TOTAL COST TO DECOMMISSION WITH 17.93% CONTINGENCY:								\$408,560,640								
Total NRC license termination cost is 88.57% of								\$361,875,648								
Non-nuclear demolition cost is 11.43% of:								\$ 46,684,976								
Total radwaste volume buried:								227.832	cubic feet							
Total scrap metal removed:								11,408.8	tons							
Total craft labor requirements:								1,430,003.0	man-hours							
Total personnel radiation exposure:								1,940.9	man-Rem							
Total craft labor cost with 25.1% contingency:								\$ 56,036,720								

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TABLE C-4
SAFSTOR COST ESTIMATE FOR SUSQUEHANNA STEAM ELECTRIC STATION UNIT 2
(THOUSANDS OF 1993 DOLLARS)

Activity	Decon	Remove	Pack	SHIP	Bury	Other	Cntgcy	Total	LicTerm	Clean A CF	B CF	C CF	>C CF	M-HFS	M-Res
PERIOD 1: MOthballing Activities															
1. Prepare preliminary decommissioning plan					79	12		91	91						
2. Prepare proposed decommissioning plan					205	31		236	236						
3. Remove fuel & source material								n/a							
4. Decon plant & process waste								a							
5. Review plant dwgs & specs.					85	13		98	98						
6. Perform detailed rad survey								a							
7. Estimate by-product inventory					66	10		76	76						
8. Submit for possession-only license					66	10		76	76						
9. End product description					66	10		76	76						
10. Detailed by-product inventory					99	15		113	113						
11. Define major work sequence					66	10		76	76						
12. Perform safety analysis of operation					131	20		151	151						
13. Perform safety analysis of end product					131	20		151	151						
14. Submit dismantling plan					66	10		76	76						
15. Receive possession-only license								a							
Activity specifications															
16.1 Prepare plant and facilities for SAFSTOR					323	48		372	372						
16.2 Plant systems					274	41		315	315						
16.3 Plant structures and buildings					205	31		236	236						
16.4 Waste management					131	20		151	151						
16.5 Facility and site dormancy					131	20		151	151						
16. Total					1065	160		1225	1225						
Detailed work Procedures															
17.1 Plant systems					311	47		358	358						
17.2 Facility closeout & dormancy					79	12		91	91						
17. Total					390	58		448	448						

NOTES: - "n/a" indicates that fuel handling, packaging, shipping, and disposal are charged to plant operations, not decommissioning
- "a" indicates that costs are included in the utility staff costs.
- Columns may not total due to rounding

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TABLE C-4 (continued)
SAPSTOR COST ESTIMATE FOR SUSQUEHANNA STEAM ELECTRIC STATION UNIT 2

ACTIVITY	Decon	Remove	Pack	Ship	Bury	Other	Cntgcy	Total	LicTerm	Clean	A CF	B CF	C CF	>C CF	M-Hrs	M-Rem
18. Procure vacuum drying system						7	<1	8	8							
19. Drain/de-energize non-cont. systems								a								
20. Drain & dry NSSS								a								
21. Drain/de-energize contaminated systems								a								
22. Decon/secure contaminated systems								a								
Decontamination of Site Buildings																
23.1 Reactor	1991						996	2987	1991	996					54686	
23.2 Low Level Radwaste Facility	29						15	44	29	15					697	
23.3 Miscellaneous Structures	8						4	13	8	4					199	
23.4 Radwaste Building	317						158	475	317	158					7506	
23.5 Turbine	744						372	1115	744	372					17611	
23. Totals	3090						1545	4635	3090	1545					80698	
24. Prepare support equipment for storage		258					39	297	297						3000	3
25. Install containment pressure equal. line		24					4	28	28						700	2
26. Interim survey prior to dormancy						339	51	390	390							
27. Secure building accesses								a								
28. Prepare & submit interim report						38	6	44	44							
Subtotal Period 1 Activity Costs	3090	283				2898	2022	8292	6747	1545					84398	5
Period 1 Undistributed Costs																
1. Decon equipment						189	28	217	217							
2. Decon supplies						132	33	165	165							
3. Process liquid waste	343		181	226	970		369	2090	2090		2335				528	12
4. Insurance						246	25	271	271							
5. Property taxes						10	1	11	11							
6. Health physics supplies						915	229	1143	1143							
7. Small tool allowance						50	7	57	57							
8. Disposal of DAW generated			231	4	793		143	1172	1172	2751					7483	19
9. Plant energy budget						1208	181	1389	1389							
10. NRC Fees						49	5	54	54							
11. Emergency Planning Fees						100	10	110	110							
Subtotal Undistributed Costs Period 1	343		412	230	1764	2899	1031	6680	6680	2751	2335				8011	31

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TABLE C-4 (continued)
SAFSTOR COST ESTIMATE FOR SUSQUEHANNA STEAM ELECTRIC STATION UNIT 2

ACTIVITY	Decon	Remove	Pack	Ship	Bury	Other	Contgy	Total	LICTerm	Clean A CF	B CF	C CF	>C CF	M-Hrs	M-Rem
Staff costs															
Utility Staff Cost							12235	1835	14070	14070					
TOTAL COST TO SAFSTOR	3433	283	412	230	1764	18032	4888	29042	27497	1545	2751	2335		92409	36

TOTAL COST TO SAFSTOR WITH 20.24% CONTINGENCY: \$29,041,906

Total SAFSTOR radwaste volume buried:	5.086 cubic feet
Total scrap removed:	0.0 tons
Total craft labor requirements:	92,408.6 man-hours
Total personnel radiation exposure:	35.7 man-rem
Total craft labor cost with 20.24% contingency:	\$2,774,498

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TABLE C-4 (continued)
SAFSTOR COST ESTIMATE FOR SUSQUEHANNA STEAM ELECTRIC STATION UNIT 2

Activity	Decon	Remove	Pack	Ship	Bury	Other	Contgy	Total	LicTerm	Clean A	CF	B	CF	C	CF	>C	CF	M-Hrs	M-Rem	
SAFSTOR DORMANCY																				
PERIOD 2: Safstor Annual Maintenance Cost																				
1. Quarterly inspection								5												
2. Semi-annual environmental survey								5												
3. Prepare reports								5												
4. Health physics supplies						36	9	45	45											
5. Insurance						86	9	95	95											
6. Property taxes						10	1	11	11											
7. Disposal of contaminated solid waste	1	<1		37				6	44	44			128					35	<1	
8. Bituminous roof replacement						146	22	168	168											
9. Maintenance supplies						77	19	97	97											
10. Plant energy budget						170	26	196	196											
11. NRC Fees						11	1	12	12											
12. Emergency Planning Fees						8	<1	9	9											
13. Site maintenance staff						2813	422	3235	3235											
PERIOD 2 ANNUAL MAINTENANCE TOTALS	1	<1		37	3358	515	3911	3911		128								35	<1	
MAINTENANCE COST FOR 54.4 YEARS DORMANCY:																				\$212,819,056

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TABLE C-4 (continued)
SAFSTOR COST ESTIMATE FOR SUSQUEHANNA STEAM ELECTRIC STATION UNIT 2

Activity	Decon	Remove	Pack	Ship	Bury	Other	Contgy	Total	LtTerm	Clean A CF	B CF	C CF	>C CF	M-HRS	M-Rem
PERIOD 3															
1. Review plant dwgs & specs.						302	45	348	348						
2. Perform detailed rad survey									n/a						
3. End product description						66	10	76	76						
4. Detailed by-product inventory						85	13	98	98						
5. Define major work sequence						493	74	567	567						
6. Perform safety analysis						204	31	234	234						
7. Submit dismantling plan						34	5	39	39						
8. Receive dismantling order									a						
Subtotal Period 3 Activity Costs						1184	178	1362	1362						
Period 3 Undistributed Costs															
1. DOC staff relocation expenses						737	110	847	847						
2. Insurance						369	37	406	406						
3. Property taxes						15	2	17	17						
4. Health physics supplies						915	229	1143	1143						
5. Heavy equipment rental						240	36	276	276						
6. Disposal of DAW generated			234	4	793		143	1175	1175	2751				7483	19
7. Plant energy budget						1841	276	2118	2118						
8. NRC Fees						74	7	81	81						
Subtotal Undistributed Costs Period 3			234	4	793	4190	840	6062	6062	2751				7483	19
Staff Costs															
DOC Staff Cost						4203	630	4833	4833						
Utility Staff Cost						3801	570	4371	4371						
TOTAL PERIOD 3 COST			234	4	793	13379	2218	16629	16629	2751				7483	19

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TABLE C-4 (continued)
SAFSTOR COST ESTIMATE FOR SUSQUEHANNA STEAM ELECTRIC STATION UNIT 2

Activity	Decon	Remove	Pack	Ship	Bury	Other	Critqcy	Total	L/C Term	Clean A	CF	B CF	C CF	>C CF	M-Hrs	M-Rem
PERIOD 4																
Activity Specifications																
9.1	Re-activate plant & temporary facilities					484	73	557	501	56						
9.2	Plant systems					274	41	315	283	31						
9.3	Reactor internals					467	70	537	537							
9.4	Reactor vessel					427	64	491	491							
9.5	Sacrificial shield					33	5	38	38							
9.6	Moisture separators/reheaters					66	10	76	76							
9.7	Reinforced concrete					105	16	121	60	60						
9.8	Turbine & condenser					274	41	315	315							
9.9	Pressure suppression structure					131	20	151	151							
9.10	Primary containment					105	16	121	121							
9.11	Plant structures & buildings					205	31	236	118	118						
9.12	Waste management					302	45	348	348							
9.13	Facility & site closeout					59	9	68	34	34						
9.	Total					2932	440	3372	3073	300						
Planning & Site Preparations																
10.	Prepare dismantling sequence					158	24	181	181							
11.	Plant prep. & temp. svces					1485	223	1708	1708							
12.	Design water clean-up system					92	14	106	106							
13.	Rigging/CCEs/tooling/etc.					1257	189	1446	1446							
14.	Procure casks/liners & containers					81	12	93	93							
Detailed work Procedures																
15.1	Plant systems					311	47	358	322	36						
15.2	vessel head					16	2	18	18							
15.3	Reactor internals					263	39	302	302							
15.4	Remaining buildings					89	13	102	26	77						
15.5	CRD housings & ICI tubes					66	10	76	76							
15.6	Incore instrumentation					66	10	76	76							
15.7	Removal Primary Containment					131	20	151	151							
15.8	Reactor vessel					239	36	274	274							
15.9	Facility closeout					79	12	91	45	45						

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TABLE C-4 (continued)
SAFSTOR COST ESTIMATE FOR SUSQUEHANNA STEAM ELECTRIC STATION UNIT 2

Activity	Decon	Remove	Pack	Ship	Bury	Other	Contgy	Total	LicTerm	Clean	A CF	B CF	C CF	-C CF	M-Hrs	M-Rem
Detailed work Procedures (continued)																
15.10 Sacrificial shield						79	12	91	91							
15.11 Reinforced concrete						66	10	76	38	38						
15.12 Turbine & condensers						274	41	315	315							
15.13 Moisture separators & reheaters						131	20	151	151							
15.14 Radwaste building						179	27	206	186	21						
15.15 Reactor building						179	27	206	186	21						
15. Total						2167	325	2492	2256	237						
16. Remove spent fuel racks	377	90	155	26	1630	1192	521	3991	3991	5842					12396	64
Nuclear Steam Supply System Removal																
17.1 Recirculation System Piping & valves	85	152	90	36	2270		435	3067	3067	7450					7370	188
17.2 Recirculation Pumps & Motors	23	24	12	4	700		124	888	888	2358					1524	<1
17.3 CRDMs & ICIs Removal	96	74	50	30	1081		238	1568	1568	3451					5016	4
17.4 Reactor vessel Internals	66	1957	450	335	6534		3331	12674	12674	917	2431	408	226	30884	7	
17.5 Reactor vessel	210	4373	646	553	4305		4761	14848	14848	12707				23776	6	
17. Totals	480	6579	1249	957	14891		8889	33045	33045	26884	2431	408	226	68571	206	
Removal of Major Equipment																
18. Main Turbine/Generator		240	1486	255	3522	1864	1055	8421	8421	12183					7344	11
19. Main Condensers	1742	606	496	96	2552	2557	1853	9903	9903	8849					18912	135
Disposal of Plant Systems																
20.1 A - D Diesel Auxiliaries		134					20	154		154					4305	
20.2 Acid injector for circulating water		21					3	24		24					667	
20.3 Air Removal and Sealing Steam	616	186	20	1761	375	496	3454	3454		6107				19341	52	
20.4 Auxiliary Steam	335	144	8	796	174	245	1703	1703		2761				10590	17	
20.5 Building vent stack monitoring		3	2	<1	9	6	3	23	23	31				86	<1	
20.6 Chemical Addition System		11					2	13	1	11				351		
20.7 Chlorination		12					2	14		14				390		
20.8 Clfc Pumphouse HVAC		38					6	44		44				1171		
20.9 Circulating water		190					29	219	44	175				6174		
20.10 Clean up filter Decalneralizer		127	17	3	116	63	61	387	387	403				3855	20	
20.11 Compressed Air		161					24	185	28	157				5186		

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TABLE C-4 (continued)
SAFSTOR COST ESTIMATE FOR SUSQUEHANNA STEAM ELECTRIC STATION UNIT 2

ACTIVITY	Decon	Remove	Pack	Ship	Bury	Other	CONCY	Total	UCTerm	Clean	A CF	B CF	C CF	-C CF	M-HFS	M-Rem
Disposal of Plant Systems (continued)																
20.12 Condensate		1836	490	69	3787	1493	1310	8985	8985		13131				57699	156
20.13 Containment Atmosphere Control		127	62	7	357	220	126	899	899		1239				4184	7
20.14 Containment Instrument Gas		73	23	4	208	76	64	448	448		722				2276	3
20.15 Control Rod Drive		107	18	3	127	64	58	376	376		439				3280	3
20.16 Control Structure HVAC		162					24	186		186					5175	
20.17 Core Spray		253	121	15	1563	155	335	2441	2441		5418				8123	22
20.18 Demineralized Water Distribution		6					<1	7	4	4					208	
20.19 Diesel Aux Jacket Water Storage		25					4	29		29					796	
20.20 Diesel Gen Bldgs & Pump House HVAC		43					6	49		49					1325	
20.21 Diesel Oil Storage and Transfer		86					13	99		99					2691	
20.22 Domestic Water Distribution		152					23	174		174					4815	
20.23 Drywell Air Flow		7	3	<1	18	13	7	48	48		62				246	<1
20.24 Diesel Auxiliaries		43					6	49		49					1362	
20.25 Electrical (clean)		4952					743	5695		5695					156835	
20.26 Electrical (contaminated)		3784	749	140	4739	3352	2255	15019	15019		16432				122174	157
20.27 Electrical (decontaminated)	24	114					29	167	24	143					4337	
20.28 Emergency Service Water		158					24	181	45	136					5066	
20.29 Extraction Steam		658	310	35	4751	767	1028	7549	7549		16475				21270	61
20.30 Feed Pump Turbine Steam		40					6	46	5	41					1293	
20.31 Feedwater		583	134	19	733	471	343	2284	2284		2542				18292	49
20.32 Feedwater Drainage		718	147	18	741	444	375	2443	2443		2569				22196	58
20.33 Fire Protection		335					50	385	116	270					10839	
20.34 Fuel Pool Cooling and Clean-up	152	333	65	11	453	241	272	1527	1527		1571				13760	77
20.35 Fuel Pool Filter Demineralizer	75	159	25	4	153	97	118	630	630		530				6782	76
20.36 Gaseous Radwaste Recombiner CCW	26	44	24	3	353	17	82	547	547		1225				1993	4
20.37 Gatehouses & Security Center HVAC		61					9	71		71					1896	
20.38 Generator H2 Cooling Makeup		4					<1	5	<1	4					128	
20.39 Generator Stator Cooling Water		23					3	26	3	23					729	
20.40 High Pressure Coolant Injection		107	27	4	149	96	67	449	449		516				3356	9
20.41 HPCI Turbine Pump		96	65	6	902	55	175	1300	1300		3129				3147	4
20.42 Instrument Air		75					11	87	43	43					2441	
20.43 Liquid Radwaste		1588	236	39	1410	810	759	4842	4842		4888				48633	267
20.44 Lube Oil		47					7	54	5	49					1515	
20.45 Main Steam		417	264	38	4854	450	932	6954	6954		16831				13913	39

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TABLE C-4 (continued)
SAFSTOR COST ESTIMATE FOR SUSQUEHANNA STEAM ELECTRIC STATION UNIT 2

Activity	Decon	Remove	Pack	SHIP	Bury	Other	Contcvt	Total	LicTerm	Clean A	CF	B CF	C CF	+C CF	M-Hrs	M-Res
Disposal of Plant Systems (continued)																
20.46 Main Turbine EHC Air Flow		13					2	15	2	14						425
20.47 Main Turbine Lube Oil		49					7	57	6	51						1580
20.48 Makeup Demineralizer		104					16	120		120						3338
20.49 Makeup Water Supply		71					11	82		82						2295
20.50 Miscellaneous Buildings HVAC		36					5	41		41						1101
20.51 Miscellaneous Drainage		284	50	9	317	189	153	1003	1003		1099					6653 23
20.52 MSIV - Leakage Control		44	5	<1	60	15	23	148	148		208					1350 2
20.53 Nuclear Boiler		23	10	2	55	39	21	150	150		192					776 7
20.54 Off Gas		152	107	6	259	148	111	782	782		898					4963 8
20.55 Primary Coolant Degasifier		65	22	3	123	86	50	349	349		426					2075 12
20.56 Process Sampling		46	24	3	148	45	43	309	309		513					1565 4
20.57 Radwaste Building HVAC		449	104	17	846	323	301	2040	2040		2934					13476 22
20.58 Radwaste Solidification	36	76	24	2	78	47	58	321	321		270					3421 20
20.59 Raw Water Treatment		206					31	237		237						6490
20.60 RCIC Turbine Pump		61	28	3	288	68	72	520	520		998					1954 2
20.61 Reactor Building Closed Cooling Water		55					8	63	63							1759
20.62 Reactor Building HVAC		886	249	37	1990	773	666	4602	4602		6901					26729 45
20.63 Reactor Core Isolation Cooling		93	17	3	101	65	50	329	329		352					2889 8
20.64 Reactor Recirc Motor-Generator Set		118	44	5	196	134	84	581	581		679					3765 6
20.65 Reactor Recirculation		44	5	<1	36	18	20	124	124		124					1352 1
20.66 Reactor Water Clean-up	58	135	28	5	294	87	124	731	731		1019					5811 33
20.67 Residual Heat Removal	407	674	328	39	2648	905	943	5944	5944		9181					27155 152
20.68 RFP/RRP Oil Reservoir		43					7	50	5	45						1394
20.69 RHR Service Water		122					18	140	35	105						3943
20.70 Security Diesel Generator		1					<1	2		2						42
20.71 Service and Admin Building HVAC		42					6	48		48						1289
20.72 Service Water		207					31	238	48	190						6689
20.73 Sewage Treatment		87					13	100		100						2729
20.74 Solid Radwaste Collection		288	33	6	228	121	128	804	804		791					8754 47
20.75 Standby Liquid Control		14					2	17	17							459
20.76 Turbine Bldg Closed Cooling Water		45					7	52	8	44						1438
20.77 Turbine Building HVAC		231					35	266	66	199						7325
20. Totals		778	23629	4189	589	35645	12500	13204	90535	81613	8922	123606				761874 1472
21. Erect scaffolding for systems removal		1529					229	1758	1758							36940

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TABLE C-4 (continued)
SAFSTOR COST ESTIMATE FOR SUSQUEHANNA STEAM ELECTRIC STATION UNIT 2

ACTIVITY	Decon	Remove	Pack	Ship	Bury	Other	Cntqcy	Total	LicTerm	Clean A	CF	B CF	C CF	>C CF	M-Hrs	M-Rem
Decontamination of Site Buildings																
22.1 Reactor	2446	2114	384	72	7858	940	3120	16935	16935		27250				128278	470
22.2 Low Level Radwaste facility	42		3	<1	116		39	201	201		403				976	2
22.3 Miscellaneous Structures	38		5	1	179		46	270	270		621				921	
22.4 Radwaste Building	464	7	40	8	1274	16	432	2241	2241		4417				10947	78
22.5 Turbine	1088	166	161	27	3454	368	1179	6443	6443		11978				25898	43
22. Totals	4077	2288	594	109	12882	1324	4817	26089	26089		44669				167019	593
23. License termination survey						339	51	390	390							
24. Terminate license									a							
Subtotal Period 4 Activity Costs	7455	34961	8169	2033	71122	27948	31844	183531	174072	9458	222032	2431	408	226	11073057	2480
Period 4 undistributed costs																
1. Decon equipment						189	28	217	217							
2. Decon supplies						401	100	502	502							
3. DOC staff relocation expenses						737	110	847	847							
4. Process liquid waste	445		764	753	5227		1196	8386	8386		11404				926	22
5. Insurance						948	95	1043	1043							
6. Property taxes						30	3	33	30	3						
7. Health physics supplies						2778	694	3472	3472							
8. Heavy equipment rental						5047	757	5804	5223	580						
9. Small tool allowance						618	93	711	640	71						
10. Pipe cutting equipment						587	88	675	675							
11. Disposal of DAW generated			702	14	2493		446	3655	3655	8648					22723	57
12. Plant energy budget						3119	468	3587	3228	359						
13. NRC Fees						299	30	329	329							
Subtotal Undistributed Costs Period 4	445		1466	767	7720	14753	4109	29261	28248	1013	8648	11404			23649	78
Staff Costs																
DOC Staff Cost						20927	3139	24066	24066							
Utility Staff Cost						49379	7407	56786	56786							
TOTAL PERIOD 4	7900	34961	9635	2800	78842	113007	46499	293644	283172	10472	230680	13835	408	226	1096705	2559

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TABLE C-4 (continued)
SAFSTOR COST ESTIMATE FOR SUSQUEHANNA STEAM ELECTRIC STATION UNIT 2

ACTIVITY	Decon	Remove	Pack	Ship	Bury	Other	Cntgcy	Total	LicTerm	Clean	A CF	B CF	C CF	>C CF	M-Hrs	M-Rem
PERIOD 5																
Demolition of Remaining Site Buildings																
25.1 Reactor		16064					2410	18473	924	17550						341322
25.2 Administration		173					26	199		199						2902
25.3 Circ water Pumphouse & water Treat		560					84	644		644						10099
25.4 Control		2763					414	3177		3177						43975
25.5 Cooling Tower		2638					396	3034		3034						56262
25.6 Diesel Generator		1247					187	1434		1434						17572
25.7 Diesel Generator "E"		514					77	591		591						8156
25.8 Domestic Fire Pumphouse		5					<1	6		6						114
25.9 Engineered safeguard & Spray Pond		4225					634	4859		4859						72168
25.10 Hazardous waste Storage Facility		12					2	14		14						264
25.11 Low Level Radwaste Facility		1318					198	1516	76	1440						21308
25.12 Miscellaneous Structures		1424					214	1638		1638						28840
25.13 Miscellaneous yard Struct & Foundations		204					31	235		235						2879
25.14 North and South Gatehouses		501					75	576		576						7701
25.15 Project Office		298					45	342		342						4965
25.16 Radwaste Building		2987					448	3435	172	3263						53629
25.17 River Intake Structure		257					39	296		296						4410
25.18 Security control center		63					9	72		72						916
25.19 Service & Administration		454					68	522		522						8717
25.20 Sewage Treatment Plant		26					4	30		30						539
25.21 Turbine		10627					1594	12221	611	11610						223708
25. Totals		46360					6954	53314	1782	51532						910447
Site Closeout Activities																
26. Remove Rubble		3527					529	4056		4056						10757
27. Grade & landscape site		1892					284	2176		2176						10035
28. Final report to NRC							103	15	118	118						
Subtotal Period 5 Activity Costs		51779					103	7782	59664	1900	57764					931238

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TABLE C-4 (continued)
SAFSTOR COST ESTIMATE FOR SUSQUEHANNA STEAM ELECTRIC STATION UNIT 2

Activity	Decon	Remove	Pack	Ship	Bury	Other	Contg	Total	License	Clean	A CF	B CF	C CF	D CF	M-Hrs	M-Rem
Period 5 Undistributed costs																
1. Insurance						130	13	143	143							
2. Property taxes						17	2	19		19						
3. Heavy equipment rental						2003	300	2303		2303						
4. Small tool allowance						539	81	620		620						
5. Plant energy budget						137	20	157		157						
Subtotal Undistributed costs Period 5						2826	417	3242	143	3100						
Staff Costs																
DOC Staff cost						8053	1208	9261		9261						
Utility Staff cost						7039	1056	8095	7286	810						
TOTAL PERIOD 5		51779				18020	10463	80262	9329	70933					931238	
TOTAL COST TO DECOMMISSION	11333	87022	10340	3046	83408	345160	92087	632396	549446	82950	243148	16170	408	226	2129730	2618
TOTAL COST TO DECOMMISSION WITH 17.04% CONTINGENCY:								\$632,395,840								
Total NRC license termination cost is 86.88% of:								\$549,445,888								
Non-nuclear demolition cost is 13.12% of:								\$ 82,949,944								
Total radwaste volume buried:								259,951	cubic feet							
Total scrap metal removed:								35,712.1	tons							
Total craft labor requirements:								2,129,729.5	man-hours							
Total personnel radiation exposure:								2,617.8	man-rem							
Total craft labor cost with 22.96% contingency:								\$ 81,523,184								

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