

PROJECT PLAN FOR INTEGRATED WASTE PACKAGE EXPERIMENTS

Prepared for

**Nuclear Regulatory Commission
Contract NRC-02-93-005**

Prepared by

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**Center for Nuclear Waste Regulatory Analyses
San Antonio, Texas**

**Revision 6
Change 3**

March 1994

UNCONTROLLED

**CENTER FOR NUCLEAR WASTE
REGULATORY ANALYSES**

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Title : PROJECT PLAN FOR INTEGRATED WASTE PACKAGE EXPERIMENTS

EFFECTIVITY

Revision 6 of this document became effective on July 30, 1993. This document consists of the pages and changes listed below.

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Supersedes: Revision 6, Change 2 -- December 1993

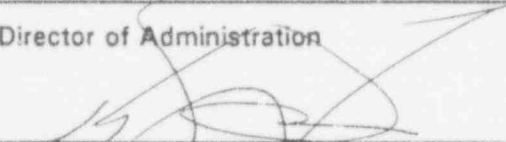
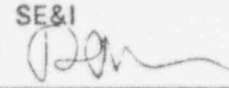


Director of Administration 	Date: 3/14/94	Deputy Technical Director for SE&I 	Date: 3/12/94
Director of QA 	Date: 3/12/94	Technical Director  for BS	Date: 3/12/94

Table A-1. IWPE estimated spending plan, FY94

	1	2	3	4	5	6	7	8	9	10	11	12	13	Total
Center PI-4	969	612	970	919	664	919	664	612	970	612	970	612	970	10,462
Center PI-3	3,617	3,642	3,719	4,610	3,642	3,642	3,719	3,758	3,680	3,642	3,719	3,642	3,642	48,672
Center PI-2	3,460	3,496	3,433	4,392	3,496	3,464	3,217	3,310	3,310	3,248	3,217	3,248	3,340	44,628
Center PI-1	2,376	2,406	2,429	3,005	2,406	2,387	2,429	2,387	2,387	2,387	2,429	2,387	2,451	31,869
Center Tech	0	0	0	0	0	0	211	211	211	211	211	211	251	1,515
Center Clerical	484	483	483	606	483	483	483	483	483	483	483	483	483	6,400
Center Labor	10,907	10,640	11,034	13,531	10,691	10,894	10,722	10,760	11,040	10,582	11,028	10,582	11,136	143,546
Center Burden	4,765	4,650	4,822	5,913	4,672	4,761	4,685	4,702	4,824	4,624	4,819	4,624	4,896	62,728
Center Overhead	10,502	10,244	10,623	13,028	10,293	10,489	10,323	10,359	10,629	10,188	10,618	10,188	10,722	138,206
SwRI PI-4	98	49	98	49	98	49	98	49	98	49	98	49	98	983
SwRI PI-3	765	771	771	991	771	771	807	771	771	771	771	771	771	10,270
SwRI PI-2	410	416	416	554	416	416	416	416	416	416	416	416	416	5,536
SwRI PI-1	399	397	397	529	397	397	397	397	397	397	397	397	397	5,297
SwRI Tech	181	142	151	180	161	142	151	142	161	142	151	142	161	2,007
SwRI Labor	1,855	1,775	1,833	2,304	1,843	1,775	1,870	1,775	1,843	1,775	1,833	1,775	1,843	24,095
SwRI Burden	811	775	801	1,007	806	775	817	775	806	775	801	775	806	10,530
SwRI Overhead	3,091	2,968	3,066	3,840	3,072	2,968	3,117	2,968	3,072	2,968	3,066	2,968	3,072	40,164
ADP Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Machine Shop	2,012	2,010	2,013	2,515	2,011	2,012	2,013	2,010	2,012	2,012	2,013	2,010	2,012	26,655
Material/Supply	2,479	2,480	2,480	3,101	2,478	2,479	2,482	2,478	2,482	2,479	2,480	2,480	2,479	32,857
Quality Assur.	151	151	151	189	150	151	151	151	151	151	151	151	151	2,000
Report Services	302	302	302	378	300	302	302	302	302	302	302	302	302	4,000
Tphone & Tgram	22	22	21	28	22	21	22	22	22	22	21	22	22	289
Travel	0	2,923	3,974	4,401	2,923	0	9,070	0	2,923	4,401	3,974	2,923	0	37,513
Consultants	1,331	1,508	1,218	3,385	1,508	1,334	4,311	1,508	1,334	3,095	1,218	1,508	1,334	24,592
Clear Prem Pay	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Temporary Svcs	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Est excl. CFC, Fee	38,228	40,437	42,329	53,620	40,767	37,950	49,886	37,800	41,438	43,364	42,315	40,298	38,743	547,175
Center CFC	688	671	695	853	674	687	676	678	696	667	685	667	702	9,048
SwRI CFC	210	202	209	263	210	202	212	202	210	202	209	202	210	2,746
Tot Estimate Cost	39,126	41,310	43,233	54,735	41,651	38,839	50,775	38,681	42,344	44,233	43,219	41,167	39,655	558,969
Fee	3,058	3,235	3,386	4,290	3,261	3,036	4,240	3,213	3,522	3,686	3,597	3,425	3,293	45,243
Tot Cost with Fee	42,184	44,545	46,620	59,025	44,913	41,875	55,015	41,894	45,866	47,919	46,816	44,593	42,948	604,212
% Completion	6.98%	7.37%	7.72%	9.77%	7.43%	6.93%	9.11%	6.93%	7.59%	7.93%	7.75%	7.38%	7.11%	100.00%
Cumulative Cost	42,184	86,729	133,349	192,374	237,286	279,161	334,176	376,070	421,936	469,855	516,671	561,263	604,212	
Cumul Completion	6.98%	14.35%	22.07%	31.84%	39.27%	46.20%	55.31%	62.24%	69.83%	77.76%	85.51%	92.89%	100.00%	

A-2

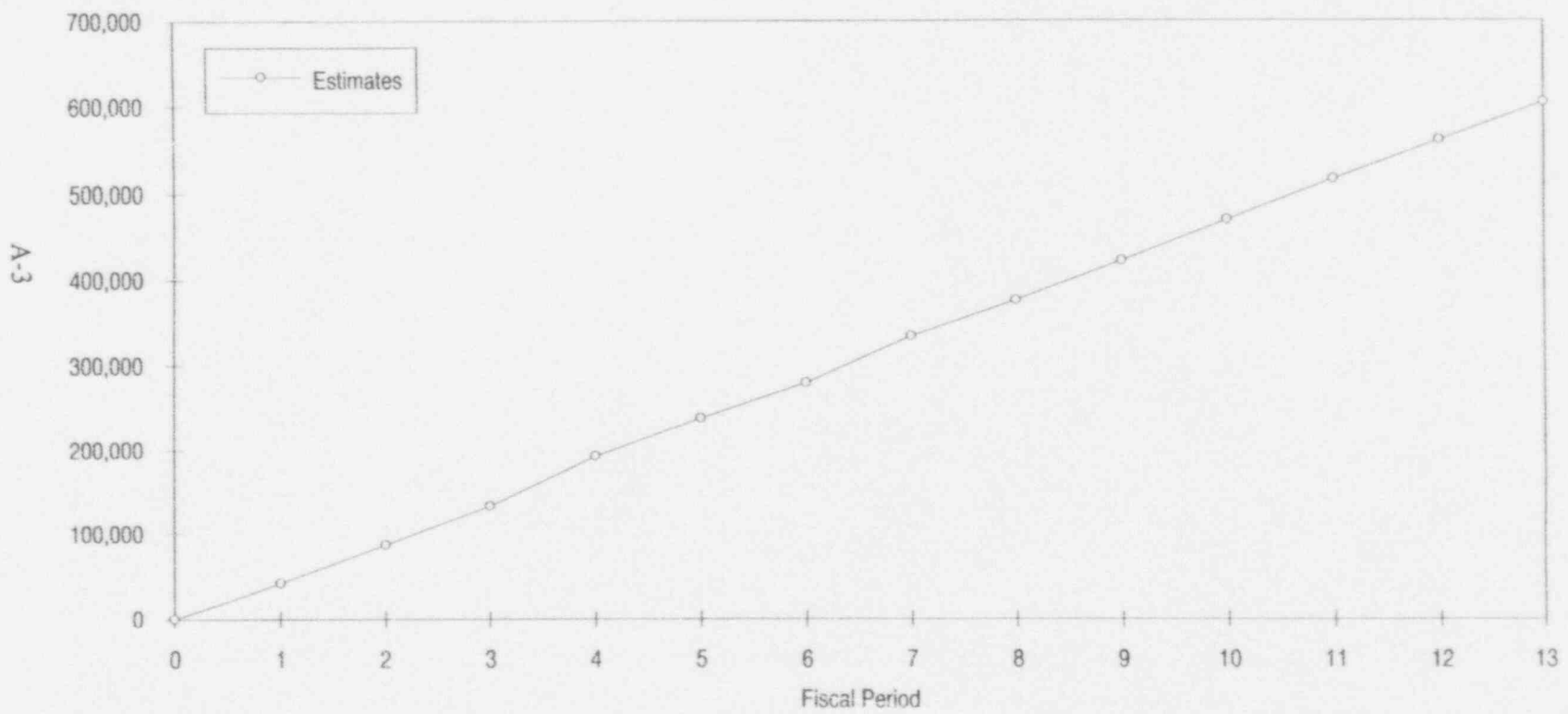


Figure A-1. IWPE estimated spending plan, FY94

Table A-2. IWPE estimated labor plan, FY94

	1	2	3	4	5	6	7	8	9	10	11	12	13	Total
Center Labor														
Center P1-4	19	12	39	18	13	18	13	12	19	12	19	12	13	206
Center P1-3	94	94	96	119	94	94	96	97	95	94	96	94	94	1,257
Center P1-2	112	113	111	142	113	112	104	107	107	105	104	105	108	1,443
Center P1-1	112	113	114	141	113	112	114	112	112	112	114	112	115	1,496
Center Tech	0	0	0	0	0	0	21	21	21	21	21	21	25	151
Center Clerical	47	47	47	59	47	47	47	47	47	47	47	47	47	623
Total Center Labor	384	379	387	479	380	383	395	396	401	391	401	391	408	5,175
SwRI Labor														
SwRI P1-4	2	1	2	1	2	1	2	1	2	1	2	1	2	20
SwRI P1-3	21	21	21	27	21	21	22	21	21	21	21	21	21	280
SwRI P1-2	15	15	15	20	15	15	15	15	15	15	15	15	15	200
SwRI P1-1	21	21	21	28	21	21	21	21	21	21	21	21	21	280
SwRI Tech	17	15	16	19	17	15	16	15	17	15	16	15	17	210
Total SwRI Labor	76	73	75	95	76	73	76	73	76	73	75	73	76	990

Table A-3. IWPE Task 1 estimated spending plan, FY94

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	1	2	3	4	5	6	7	8	9	10	11	12	13	Total
Center PI-4	153	102	153	153	102	153	102	102	153	102	153	102	153	1,684
Center PI-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Center PI-2	1,823	1,856	1,825	2,289	1,856	1,825	2,041	2,072	2,041	2,041	2,041	2,041	2,134	25,887
Center PI-1	891	916	895	1,129	916	895	1,172	1,172	1,172	1,172	1,172	1,172	1,236	13,911
Center Tech	0	0	0	0	0	0	50	50	50	50	50	50	40	341
Center Clerical	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Center Labor	2,867	2,874	2,873	3,571	2,874	2,873	3,366	3,397	3,417	3,366	3,417	3,366	3,563	41,823
Center Burden	1,253	1,256	1,256	1,561	1,256	1,256	1,471	1,484	1,493	1,471	1,493	1,471	1,557	18,277
Center Overhead	2,761	2,767	2,766	3,438	2,767	2,766	3,240	3,270	3,290	3,240	3,290	3,240	3,431	40,268
SwRI PI-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SwRI PI-3	218	220	220	294	220	220	220	220	220	220	220	220	220	2,934
SwRI PI-2	164	166	166	222	166	166	166	166	166	166	166	166	166	2,215
SwRI PI-1	114	113	113	151	113	113	113	113	113	113	113	113	113	1,513
SwRI Tech	86	86	76	85	76	66	76	66	76	66	76	66	76	956
SwRI Labor	583	566	575	752	576	566	576	566	576	566	576	566	576	7,619
SwRI Burden	255	247	252	328	252	247	252	247	252	247	252	247	252	3,330
SwRI Overhead	971	944	959	1,253	959	944	959	944	959	944	959	944	959	12,699
ADP Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Machine Shop	679	679	680	849	679	679	680	679	679	679	680	679	679	9,000
Material/Supply	848	848	849	1,060	848	848	848	848	848	848	848	848	848	11,239
Quality Assur.	151	151	151	189	150	151	151	151	151	151	151	151	151	2,000
Report Services	151	151	151	189	150	151	151	151	151	151	151	151	151	2,000
Tphone & Tgram	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Travel	0	1,585	3,974	3,067	1,589	0	5,886	0	1,589	3,067	3,974	1,589	0	26,325
Consultants	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clar Prem Pay	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Temporary Svcs	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Est excl. CFC, Fee	10,518	12,073	14,487	16,258	12,100	10,481	17,581	11,737	13,404	14,730	15,791	13,252	12,167	174,579
Center CFC	181	181	181	225	181	181	212	214	215	212	215	212	225	2,636
SwRI CFC	66	65	66	86	66	65	63	65	66	65	66	65	66	868
Total Estimate Cost	10,765	12,318	14,733	16,569	12,347	10,727	17,859	12,016	13,685	15,007	16,072	13,529	12,457	178,083
Fee	841	966	1,159	1,301	968	838	1,494	998	1,139	1,252	1,342	1,126	1,034	14,459
Tot Cost with Fee	11,607	13,284	15,892	17,869	13,315	11,565	19,353	13,014	14,824	16,259	17,415	14,655	13,491	192,544
% Completion	6.38%	6.90%	8.25%	9.28%	6.92%	6.01%	10.06%	6.76%	7.70%	8.44%	9.04%	7.61%	7.01%	100.00%
Cumulative Cost	11,607	24,891	40,783	58,653	71,968	83,533	102,886	115,899	130,723	146,982	164,397	179,052	192,544	
Cumul Completion	6.38%	12.93%	21.18%	30.46%	37.38%	43.38%	53.43%	60.19%	67.89%	76.34%	85.38%	92.99%	100.00%	

Table A-4. IWPE Task 2 estimated spending plan, FY94

	1	2	3	4	5	6	7	8	9	10	11	12	13	Total
Center PI-4	153	102	153	153	102	153	102	102	153	102	153	102	153	1,684
Center PI-3	1,082	1,085	1,123	1,358	1,065	1,065	1,123	1,085	1,085	1,085	1,123	1,085	1,085	14,486
Center PI-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Center PI-1	594	597	618	746	597	597	618	597	597	597	618	597	597	7,967
Center Tech	0	0	0	0	0	0	50	50	50	50	50	50	80	381
Center Clerical	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Center Labor	1,809	1,783	1,896	2,255	1,783	1,835	1,894	1,834	1,885	1,834	1,945	1,834	1,915	24,519
Center Burden	799	779	828	985	779	802	828	801	824	801	850	801	827	10,714
Center Overhead	1,761	1,717	1,824	2,171	1,717	1,766	1,823	1,765	1,815	1,765	1,872	1,765	1,844	23,606
SwRI PI-4	98	49	98	49	98	49	98	49	98	49	98	49	98	983
SwRI PI-3	109	110	110	147	110	110	110	110	110	110	110	110	110	1,467
SwRI PI-2	164	166	166	222	166	166	166	166	166	166	166	166	166	2,215
SwRI PI-1	114	113	113	151	113	113	113	113	113	113	113	113	113	1,513
SwRI Tech	86	66	76	85	76	66	76	66	76	66	76	66	76	956
SwRI Labor	572	505	564	654	564	505	564	505	564	505	564	505	564	7,135
SwRI Burden	250	221	246	286	246	221	246	221	246	221	246	221	246	3,118
SwRI Overhead	953	842	940	1,090	940	842	940	842	940	842	940	842	940	11,894
ADP Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Machine Shop	578	577	578	722	578	578	578	577	578	578	578	577	578	7,655
Material/Supply	755	754	755	944	754	755	755	754	755	755	755	754	755	10,000
Quality Assur.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Report Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tphone & Tgram	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Travel	0	0	0	0	0	0	1,592	0	0	0	0	0	0	1,592
Consultants	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cler Prem Pay	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Temporary Svcs	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Est excl. CFC, Fee	7,498	7,179	7,530	9,107	7,362	7,304	9,220	7,299	7,606	7,301	7,750	7,299	7,678	100,235
Center CFC	115	112	119	142	112	116	119	116	119	116	123	116	121	1,545
SwRI CFC	65	58	64	75	64	58	64	58	64	58	64	58	64	813
Tot Estimate Cost	7,678	7,349	7,813	9,324	7,539	7,477	9,403	7,473	7,789	7,475	7,937	7,473	7,863	102,593
Fee	600	574	610	729	589	584	784	620	647	621	659	620	653	8,290
Tot Cost with Fee	8,278	7,923	8,424	10,053	8,128	8,061	10,187	8,093	8,436	8,096	8,596	8,093	8,516	110,883
% Completion	7.55%	7.15%	7.60%	9.07%	7.33%	7.27%	9.19%	7.30%	7.61%	7.30%	7.75%	7.30%	7.68%	100.00%
Cumulative Cost	8,278	16,201	24,025	34,678	42,806	50,867	61,054	69,147	77,583	85,678	94,274	102,367	110,883	
Cumul Completion	7.55%	14.61%	22.21%	31.27%	38.60%	45.87%	55.06%	62.36%	69.97%	77.27%	85.02%	92.32%	100.00%	

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Table A-5. IWPE Task 3 estimated spending plan, FY94

	1	2	3	4	5	6	7	8	9	10	11	12	13	Total
Center PI-4	153	102	153	153	102	153	102	102	153	102	153	102	153	1,594
Center PI-3	1,062	1,065	1,123	1,354	1,065	1,065	1,123	1,065	1,065	1,065	1,123	1,065	1,065	14,486
Center PI-2	865	866	866	1,113	866	866	433	433	464	433	433	433	433	8,506
Center PI-1	594	597	618	746	597	597	618	597	597	597	618	597	597	7,967
Center Tech	0	0	0	0	0	0	110	110	110	110	110	110	136	792
Center Clerical	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Center Labor	2,694	2,650	2,761	3,368	2,650	2,701	2,367	2,327	2,409	2,327	2,438	2,327	2,398	33,435
Center Burden	1,177	1,158	1,206	1,472	1,158	1,180	1,043	1,017	1,053	1,017	1,065	1,017	1,048	14,611
Center Overhead	2,594	2,551	2,658	3,243	2,551	2,600	2,298	2,240	2,319	2,240	2,347	2,240	2,309	32,191
SwRI PI-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SwRI PI-3	438	440	440	551	440	440	477	440	440	440	440	440	440	5,870
SwRI PI-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SwRI PI-1	114	113	113	151	113	113	113	113	113	113	113	113	113	1,513
SwRI Tech	9	9	9	9	9	9	9	9	9	9	9	9	9	94
SwRI Labor	561	563	554	711	563	563	591	563	563	563	564	563	563	7,477
SwRI Burden	245	246	242	311	246	246	258	246	246	246	242	246	246	3,267
SwRI Overhead	935	938	923	1,186	938	938	984	938	938	938	923	938	938	12,464
ADP Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Machine Shop	755	754	755	944	754	755	755	754	755	755	755	754	755	10,000
Material/Supply	377	378	377	472	377	377	378	377	378	377	377	378	377	5,000
Quality Assur	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Report Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Telephone & Tigram	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Travel	0	1,334	0	0	1,334	0	1,592	0	1,334	0	0	1,334	0	6,928
Consultants	435	522	435	522	522	435	1,910	522	435	435	435	522	435	7,565
Clear Prem Pay	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Temporary Svcs	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Est ascd. CFC, Fee	9,774	11,095	9,911	12,229	11,094	9,795	12,196	8,965	10,431	8,899	9,137	10,320	9,070	132,938
Center CFC	170	167	174	212	167	170	150	147	152	147	154	147	151	2,107
SwRI CFC	64	64	63	81	64	64	67	64	64	64	63	64	64	853
Total Estimate Cost	10,007	11,326	10,148	12,522	11,325	10,031	12,414	9,196	10,647	9,110	9,353	10,531	9,285	135,897
Fee	782	888	793	978	888	784	1,037	784	887	756	777	877	771	10,980
Total Cost with Fee	10,789	12,214	10,941	13,501	12,213	10,814	13,451	9,980	11,534	9,867	10,130	11,409	10,056	146,877
% Completion	7.07%	8.32%	7.45%	9.19%	8.31%	7.36%	8.16%	6.76%	7.85%	6.72%	6.90%	7.77%	6.85%	100.00%
Cumulative Cost	10,789	23,003	33,944	47,444	59,657	70,471	83,922	93,882	105,416	115,282	125,412	136,827	146,877	146,877
Current Completion	7.07%	15.85%	23.11%	32.30%	40.62%	47.98%	57.14%	63.92%	71.77%	78.49%	85.35%	93.15%	100.00%	100.00%

Table A-6. IWPE Task 4 estimated spending plan, FY94

	1	2	3	4	5	6	7	8	9	10	11	12	13	Total
Center PI-4	153	102	153	102	153	102	102	102	153	102	153	102	153	1,664
Center PI-3	270	271	271	349	271	271	271	310	271	271	271	271	271	3,640
Center PI-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Center PI-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Center Tech	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Center Clinical	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Center Clinical	424	373	424	502	373	424	373	412	424	373	424	373	424	5,306
Center Burden	185	163	185	219	163	185	163	180	185	163	185	163	185	2,327
Center Overhead	408	359	409	483	359	409	359	397	409	359	409	359	409	5,127
SwRI PI-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SwRI PI-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SwRI PI-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SwRI PI-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SwRI Tech	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SwRI Labor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SwRI Burden	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SwRI Overhead	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ADP Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Machine Shop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials/Supply	377	378	377	472	377	377	378	377	378	377	377	378	377	5,000
Quality Assur	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Report Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Telephone & Tgram	22	22	21	28	22	21	22	22	22	22	21	22	22	289
Travel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consultants	461	464	348	2,341	464	464	1,966	464	464	2,225	348	464	464	10,537
Clear Prem Pay	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Temporary Svcs	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Est excl. CFC, Fee	1,876	1,760	1,764	4,045	1,759	1,880	3,292	1,852	1,882	3,520	1,764	1,760	1,981	29,005
Center CFC	27	24	27	32	24	27	24	26	27	24	27	24	27	336
SwRI CFC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tot Estimate Cost	1,903	1,783	1,791	4,077	1,782	1,907	3,205	1,878	1,909	3,543	1,791	1,783	1,908	29,341
Fee	150	141	141	304	141	150	277	157	160	299	150	150	160	2,400
Tot Cost with Fee	2,053	1,924	1,932	4,400	1,923	2,057	3,483	2,035	2,069	3,842	1,941	1,933	2,068	31,741
% Completion	6.48%	6.05%	6.09%	13.86%	6.06%	6.46%	11.22%	6.41%	6.52%	12.11%	6.11%	6.09%	6.51%	100.00%
Cumulative Cost	2,053	3,977	5,909	10,310	12,233	14,290	17,852	19,888	21,956	25,799	27,740	29,673	31,741	
Cumulative Comp	6.48%	12.53%	19.62%	32.49%	38.54%	45.02%	56.24%	62.66%	69.17%	81.26%	87.40%	93.49%	100.00%	

Table A-7. IWPE Task 5 estimated spending plan, FY94

	1	2	3	4	5	6	7	8	9	10	11	12	13	Total
Center P4-4	153	102	153	102	102	153	102	102	153	102	153	102	153	1,684
Center P4-3	1,067	1,065	1,065	1,396	1,065	1,065	1,065	1,162	1,123	1,065	1,065	1,065	1,065	14,510
Center P4-2	772	773	742	990	773	773	742	804	804	773	742	773	773	10,237
Center P4-1	297	298	298	384	298	298	21	21	21	21	21	21	21	2,023
Center Tech	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Center Chemical	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Center Labor	2,289	2,258	2,279	2,921	2,258	2,309	1,950	2,030	2,102	1,981	2,001	1,981	2,032	28,454
Center Burden	1,000	987	966	1,277	987	1,009	852	913	919	866	875	866	888	12,434
Center Overhead	2,204	2,174	2,194	2,812	2,174	2,224	1,878	2,012	2,024	1,908	1,927	1,908	1,967	27,395
SwRI P4-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SwRI P4-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SwRI P4-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SwRI P4-1	57	57	57	76	57	57	57	57	57	57	57	57	57	757
SwRI Tech	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SwRI Labor	57	57	57	76	57	57	57	57	57	57	57	57	57	757
SwRI Burden	25	25	25	33	25	25	25	25	25	25	25	25	25	331
SwRI Overhead	95	95	95	129	95	95	95	95	95	95	95	95	95	1,261
ADP Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Machine Shop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Material/Supply	122	122	122	153	122	122	122	122	123	122	122	122	122	1,618
Quality Assur.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Report Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Telephone & Tgram	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Travel	0	0	0	1,304	0	0	0	0	0	1,334	0	0	0	2,668
Consultants	435	522	435	522	522	435	435	522	435	435	435	522	435	6,090
Clear Prem Pay	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Temporary Svcs	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Est excl. CFC, Fee	6,226	6,240	6,201	9,254	6,240	6,275	5,414	5,835	5,779	6,822	5,536	5,575	5,610	81,006
Center CFC	144	142	144	184	142	146	123	132	132	125	126	125	128	1,793
SwRI CFC	6	6	6	9	6	6	6	6	6	6	6	6	6	86
Tot Estimate Cost	6,377	6,389	6,351	9,447	6,389	6,427	5,543	5,973	5,918	6,953	5,669	5,706	5,745	82,886
Fee	498	499	496	740	499	502	460	496	491	580	471	474	477	6,683
Tot Cost with Fee	6,875	6,888	6,847	10,187	6,888	6,929	6,003	6,469	6,409	7,533	6,139	6,180	6,222	89,570
% Completion	7.27%	7.69%	7.64%	11.37%	7.69%	7.74%	6.70%	7.22%	7.16%	8.41%	6.85%	6.90%	6.96%	100.00%
Cumulative Cost	6,875	13,763	20,610	30,797	37,684	44,614	50,617	57,086	63,495	71,028	77,168	83,348	89,570	
Cumis Completion	7.27%	15.37%	23.01%	34.38%	42.07%	49.81%	56.51%	63.73%	70.89%	79.30%	86.15%	93.05%	100.00%	

Table A-8. IWPE Task 6 estimated spending plan, FY94

	1	2	3	4	5	6	7	8	9	10	11	12	13	Total
Center PI-4	204	102	204	153	153	153	153	102	204	102	204	102	204	2,041
Center PI-3	116	116	116	116	116	116	116	116	116	116	116	116	116	1,549
Center PI-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Center PI-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Center Tech	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Center Chemical	484	483	483	806	483	483	483	483	483	483	483	483	483	5,400
Center Labor	804	701	803	914	752	752	752	701	803	701	803	701	803	9,990
Center Burden	351	306	351	399	329	329	329	306	351	306	351	306	351	4,365
Center Overhead	774	675	773	888	724	724	724	675	773	675	773	675	773	9,619
SwRI PI-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SwRI PI-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SwRI PI-2	82	83	83	111	83	83	83	83	83	83	83	83	83	1,107
SwRI PI-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SwRI Tech	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SwRI Labor	82	83	83	111	83	83	83	83	83	83	83	83	83	1,107
SwRI Burden	36	36	36	48	36	36	36	36	36	36	36	36	36	484
SwRI Overhead	137	138	138	185	138	138	138	138	138	138	138	138	138	1,846
ADP Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Machine Shop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Material/Supply	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Quality Assur.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Report Services	151	151	151	188	150	151	151	151	151	151	151	151	151	2,000
Telephone & Tigram	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Travel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Consultants	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Over Pm Pay	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Temporary Svcs	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Est excl. CFC, Fee	2,336	2,091	2,336	2,726	2,213	2,214	2,214	2,091	2,336	2,091	2,336	2,091	2,336	29,413
Center CFC	51	44	51	58	47	47	47	44	51	44	51	44	51	630
SwRI CFC	9	9	9	13	9	9	9	9	9	9	9	9	9	126
Total Estimate Cost	2,396	2,145	2,396	2,797	2,270	2,271	2,271	2,145	2,396	2,145	2,396	2,145	2,396	30,169
Fee	187	167	187	218	177	177	188	178	196	178	196	178	196	2,431
Total Cost with Fee	2,583	2,312	2,583	3,015	2,447	2,448	2,459	2,323	2,595	2,323	2,595	2,323	2,595	32,599
% Completion	7.94%	7.05%	7.92%	9.25%	7.51%	7.51%	7.54%	7.12%	7.96%	7.12%	7.96%	7.12%	7.96%	100.00%
Cumulative Cost	2,583	4,895	7,478	10,493	12,940	15,388	17,846	20,169	22,764	25,087	27,682	30,004	32,599	
Costal Completion	7.94%	15.02%	22.94%	31.19%	39.69%	47.20%	54.75%	61.81%	69.22%	76.95%	84.32%	92.04%	100.00%	