

58-12

File  
EE/CA

September 14, 2000

Major David Sheets  
CEHNC-PM-EO  
U.S. Army Corps of Engineers  
Engineering and Support Center, Huntsville  
4820 University Square  
Huntsville, AL 35816-1822

SUBJECT: Period 11 Monthly Progress Report for the Period Ending August 31, 2000, for OE-EE/CA Activities, Task Order 52 at the Seneca Army Depot Activity (SEDA) under Contract DACA87-95-D-0018

Dear Major Sheets:

Enclosed with this cover letter is the monthly progress report for the eleventh period of the job that period ending on August 31, 2000. Task Order 52 describes the Ordnance and Explosive (OE) Engineering Evaluation/Cost Analysis (EE/CA) at the Seneca Army Depot Activity (SEDA).

**TASK ORDER 52 (OE-EE/CA at the Seneca Army Depot Activity)**

As described previously, this task order consists of three (3) Work Breakdown Structures (WBS). Each Scope of Work (SOW) task has been included into one of these three (3) WBS tasks. The first task, WBS 01000, includes all the SOW fieldwork tasks, comprises approximately 72% of the budget of the Task Order. There are now 13 sites to be evaluated, 11 of which will require fieldwork. The 2 non-field sites will be evaluated based upon the data that has been accumulated through previously performed fieldwork. WBS 02000 includes all report writing tasks in the SOW, such as the EE/CA Report task and Task 18, and the Action Memorandum task. WBS 02000 comprises 20% of the Task Order. WBS 03000 includes all project and program management tasks, Task 19, the Community Relations Support task, and Task 20 the Project Management and Meetings task. This WBS comprises the remaining 8% of the Task Order.

Work Breakdown Structure 01000, the Fieldwork task, was initiated at the beginning of the project. SOW Task 1.1, the Site Visit and Records Review and geophysical test plot, are considered to be 100% complete. On all field sites the activities of UXO surface clearance in support of brush clearing, marking of grids for geophysical investigation, collection of geophysical data, processing of that data, picking and reacquiring selected anomalies, and excavating those anomalies are in various stages of completion at all sites. Brush clearance is behind schedule due to the temporary loss of the operator to the LTTD effort, but at present not impacting the follow on work tasks.

From an earned value perspective for WBS 01000, the cumulative Actual Cost of the Work Performed (ACWP) through Period 11 is \$257,879. The Budgeted Cost of the Work Performed (BCWP) is \$211,399. The Budgeted Cost of the Work Scheduled (BCWS) is \$1,289,017. This WBS is now over budget and not on schedule. This period we've proceeded with the major field tasks, including two tasks added after project authorization, the work at SEADs 16 and 17, and this WBS reflects that work from a budget performance perspective. The field work will take longer than originally scheduled. How long is dependent on what is found in the Igloo area. The estimate of the Budget at Completion (EAC) remains as originally budgeted at \$1,289,017; however, the amount of work actually required in the Igloo area may change this. The attached financial sheets provide you with a description of the earned values described herein.

The Work Breakdown Structure (WBS) Task 02000, the report preparation task, is continuing. SOW Task 2.1, the preparation of the EE/CA workplan was complete through submission of the final work plan for approval. Mr. Kevin Healy of the Huntsville COE was of great assistance getting COE approval to Parsons. We are now in the process of outlining the reports we will need to complete once all the field data is in.

From an earned value perspective for WBS 02000, the cumulative Actual Cost of the Work Performed (ACWP) through Period 11 is \$25,872. The Budgeted Cost of the Work Performed (BCWP) is \$41,596. The Budgeted Cost of the Work Scheduled (BCWS) is \$155,605. This means that this WBS remains substantially under budget but off schedule. The estimate of the Budget at Completion (EAC) remains as originally budgeted at \$297,114. The attached financial sheets provide you with a description of the earned values described herein.

The Work Breakdown Structure (WBS) Task 03000, the project management task, has ACWP through Period 11 of \$80,953. The BCWP is \$35,540. The BCWS is \$64,721. This means that this WBS is over budget and behind schedule. This remains largely due to unanticipated costs associated with attendance at a week-long project partnering meeting in the Atlanta program management office. The estimate of the Budget at Completion (EAC) remains \$134,620. The attached financial sheets provide you with a description of the earned values described herein. This is the 11th monthly progress report.

Overall, we estimate this task order is 57% physically complete. The ACWP for this task order is \$364,704. The BCWP is \$977,387 and the BCWS is \$1,530,538. The task order is under budget and behind schedule. Parsons ES does not currently anticipate a cost overrun for this task order or schedule slippage if the fieldwork does not involve delays due to other contractors working at SEAD 45 or

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~~other unforeseen field conditions. We have increased the number of data collection field teams~~  
deliberately to reduce the schedule to complete field operations. We are concerned that --the number of anomalies detected is significantly larger than anticipated and this may add cost and schedule to the reacquisition and digging field tasks.

If you have any questions regarding this or any other project status, please, do not hesitate to call me at (781) 401-2492.

Sincerely,

**PARSONS ENGINEERING SCIENCE, INC.**



Michael Duchesneau, P.E.  
Task Order Manager

Enclosures

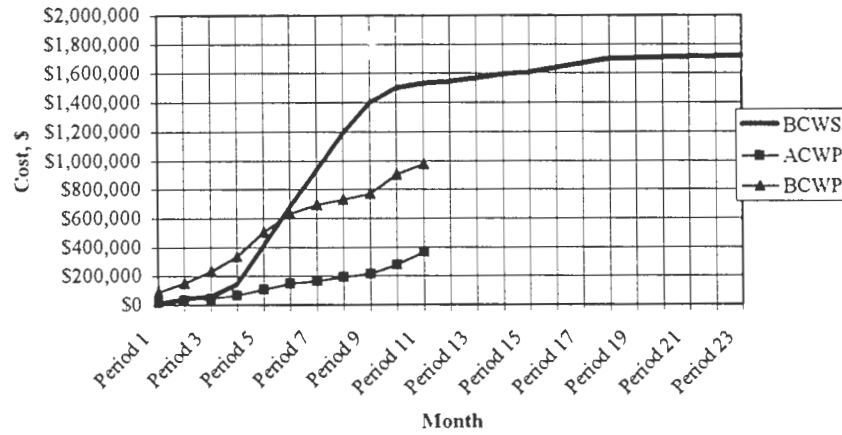
cc: Mr. Kenneth Stockwell, Program Manager, Parsons Engineering Science, Atlanta  
Mr. Stephen Absalom, Seneca Army Depot Activity  
Mr. Randall Battaglia, CENAN, Seneca Army Depot Activity

SUMMARY														
		Starting date: Sep-25-99												
		Ending Date: May-31-01												
WORK TASK	Breakdown	Total		Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Period 8	Period 9	Period 10	Period 11
		Approved Monthly	Hours	11,351	136	136	216	156	1,056	1,056	1,056	1,056	1,656	1,576
	Burdened labor	\$745,305	\$8,930	\$8,930	\$14,183	\$10,243	\$69,337	\$69,337	\$69,337	\$69,337	\$108,733	\$103,480	\$52,200	\$26,001
	Subcontracts	\$676,843	\$290	\$290	\$10,470	\$3,256	\$8,490	\$160,290	\$160,290	\$150,290	\$104,091	\$34,091	\$11,103	\$4,091
	ODCs	\$298,603	\$683	\$683	\$3,689	\$5,689	\$5,683	\$37,683	\$37,683	\$37,683	\$40,683	\$71,183	\$38,328	\$3,683
	Avg. Labor Rate		\$65.66	\$65.66	\$65.66	\$65.66	\$65.66	\$65.66	\$65.66	\$65.66	\$65.66	\$65.66	\$65.66	\$65.66
	BAC	\$1,720,751	\$9,903	\$28,342	\$19,188	\$83,510	\$267,310	\$267,310	\$267,310	\$257,310	\$253,507	\$208,754	\$101,631	\$33,775
Cumulative	Hours		136	352	508	1,564	2,620	3,676	4,732	6,388	7,964	8,759	9,155	
	Burdened labor		\$8,930	\$23,112	\$33,355	\$102,692	\$172,029	\$241,366	\$310,702	\$419,435	\$522,915	\$575,115	\$601,116	
	Subcontracts		\$290	\$10,760	\$14,016	\$22,506	\$182,796	\$343,086	\$493,376	\$597,467	\$631,558	\$642,661	\$646,752	
	ODCs		\$683	\$4,372	\$10,061	\$15,744	\$53,427	\$91,110	\$128,793	\$169,476	\$240,659	\$278,987	\$282,670	
	BCWS		\$9,903	\$38,244	\$57,432	\$140,942	\$408,252	\$675,562	\$932,871	\$1,186,378	\$1,395,132	\$1,496,763	\$1,530,538	
Actual Monthly	Hours		193	169	146	313	407	427	179	337	362	1,157	1,401	
	Burdened labor		\$15,942	\$14,442	\$8,666	\$18,983	\$30,062	\$29,366	\$12,307	\$22,471	\$21,699	\$59,019	\$66,650	
	Subcontracts		\$0	\$0	\$0	\$0	\$5,900	\$5,956	\$1,941	\$0	\$0	\$0	\$0	
	ODCs		\$647	\$3,301	\$465	\$4,230	\$4,032	\$6,777	\$301	\$5,299	\$1,456	\$5,563	\$19,230	
	Unbilled ODCs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	Unbilled Subs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	Avg. Labor Rate		\$82.60	\$85.26	\$59.48	\$60.71	\$73.79	\$68.77	\$68.74	\$66.68	\$59.94	\$51.02	\$47.59	
	ACWP		\$16,589	\$17,744	\$9,130	\$23,212	\$39,994	\$42,099	\$14,549	\$27,770	\$23,154	\$64,583	\$85,881	
Cumulative	Hours		193	362	508	821	1,228	1,655	1,834	2,171	2,533	3,690	5,091	
	Burdened labor		\$15,942	\$30,384	\$39,050	\$58,033	\$88,094	\$117,460	\$129,767	\$152,238	\$173,936	\$232,956	\$299,606	
	Subcontracts		\$0	\$0	\$0	\$0	\$5,900	\$11,856	\$13,797	\$13,797	\$13,797	\$13,797	\$13,797	
	ODCs		\$647	\$3,948	\$4,413	\$8,642	\$12,674	\$19,452	\$19,753	\$25,052	\$26,508	\$32,071	\$51,301	
	% Complete		5%	9%	14%	20%	29%	37%	40%	42%	45%	53%	57%	
	Unbilled ODCs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	Unbilled Subs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	ACWP		\$16,589	\$34,333	\$43,463	\$66,675	\$106,669	\$148,767	\$163,317	\$191,087	\$214,241	\$278,824	\$364,704	
	BCWP		\$87,758	\$151,426	\$232,301	\$335,891	\$505,901	\$631,516	\$693,979	\$728,738	\$769,176	\$903,394	\$977,387	
	ETC		\$1,632,993	\$1,569,325	\$1,488,450	\$1,384,860	\$1,214,850	\$1,089,235	\$1,026,772	\$992,013	\$951,575	\$817,357	\$743,364	
	Percent Spent		1%	2%	3%	4%	6%	9%	9%	11%	12%	16%	21%	

Period 12	Period 13	Period 14	Period 15	Period 16	Period 17	Period 18	Period 19	Period 20	Period 21	Period 22	Period 23
96	296	296	136	396	376	328	56	56	56	56	48
\$6,303	\$19,435	\$19,435	\$8,930	\$26,001	\$24,688	\$21,536	\$3,677	\$3,677	\$3,677	\$3,677	\$3,152
\$4,091	\$4,091	\$4,091	\$4,091	\$4,091	\$4,091	\$4,094	\$290	\$290	\$290	\$290	\$291
\$683	\$2,183	\$2,183	\$683	\$2,183	\$2,313	\$2,296	\$683	\$683	\$683	\$683	\$677
\$65.66	\$65.66	\$65.66	\$65.66	\$65.66	\$65.66	\$65.66	\$65.66	\$65.66	\$65.66	\$65.66	\$65.66
\$11,077	\$25,709	\$25,709	\$13,704	\$32,275	\$31,092	\$27,926	\$4,650	\$4,650	\$4,650	\$4,650	\$4,120
9,251	9,547	9,843	9,979	10,375	10,751	11,079	11,135	11,191	11,247	11,303	11,351
\$607,419	\$626,855	\$646,290	\$655,220	\$681,221	\$705,909	\$727,446	\$731,122	\$734,799	\$738,476	\$742,153	\$745,305
\$650,843	\$654,934	\$659,025	\$663,116	\$667,207	\$671,298	\$675,392	\$675,682	\$675,972	\$676,262	\$676,552	\$676,843
\$283,353	\$285,536	\$287,719	\$288,402	\$290,585	\$292,898	\$295,194	\$295,877	\$296,560	\$297,243	\$297,926	\$298,603
\$1,541,615	\$1,567,325	\$1,593,034	\$1,606,738	\$1,639,013	\$1,670,105	\$1,698,032	\$1,702,681	\$1,707,331	\$1,711,981	\$1,716,631	\$1,720,751
0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

	BCWS	BCWP	ACWP	SV	CV	BAC	ETC	EAC	VAC
Hours	9155	6447	5091						
Burdened Labor	\$601,116	\$423,333	\$299,606						
Subcontracts	\$646,752	\$384,447	\$13,797						
ODCs	\$282,670	\$169,607	\$51,301						
Unbilled ODCs			\$0						
Unbilled Subs			\$0						
<b>Total</b>	<b>\$1,530,538</b>	<b>\$977,387</b>	<b>\$364,704</b>	<b>-\$553,151</b>	<b>\$612,682</b>	<b>\$1,720,751</b>	<b>\$743,364</b>	<b>\$1,106,069</b>	<b>\$612,682</b>

**COST OF WORK FOR TOTAL JOB**



	Month	Cumulative
Budgeted Hours	396	9,155
Actual Hours	1,401	5,091
Budgeted Avg. Rate	\$65.66	\$65.66
Actual Avg. Rate	\$47.59	\$58.86

TASK 1: Fieldwork														
			Starting date:		Sep-27-99									
			Ending Date:		May-26-00									
WORK TASK	Breakdown	Total	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Period 8	Period 9	Period 10	Period 11	
Approved Monthly	Hours	6,739	80	160	100	1,000	1,000	1,000	1,000	1,000	1,000	399		
	Burdened labor	\$400,002	\$4,749	\$9,497	\$5,936	\$59,356	\$59,356	\$59,356	\$59,356	\$59,356	\$59,356	\$59,356	\$23,683	
	Subcontracts	\$628,358	\$0	\$10,180	\$2,966	\$8,200	\$160,000	\$160,000	\$160,000	\$150,000	\$100,000	\$30,000	\$7,012	
	ODC's	\$260,657	\$0	\$3,006	\$5,006	\$5,000	\$37,000	\$37,000	\$37,000	\$37,000	\$37,000	\$67,000	\$32,645	
	Avg. Labor Rate		\$9.36	\$9.36	\$9.36	\$9.36	\$9.36	\$9.36	\$9.36	\$9.36	\$9.36	\$9.36	\$9.36	
BAC	\$1,289,017	\$4,749	\$22,683	\$13,908	\$72,556	\$256,356	\$256,356	\$256,356	\$246,356	\$196,356	\$156,356	\$63,340		
Cumulative	Hours		80	240	340	1,340	2,340	3,340	4,340	5,340	6,340	6,739		
	Burdened labor		\$4,749	\$14,246	\$20,181	\$79,537	\$138,894	\$198,250	\$257,606	\$316,963	\$375,319	\$400,002		
	Subcontracts		\$0	\$10,180	\$13,146	\$21,346	\$181,346	\$341,346	\$491,346	\$591,346	\$621,346	\$628,358		
	ODC's		\$0	\$3,006	\$8,012	\$13,012	\$50,012	\$87,012	\$124,012	\$161,012	\$228,012	\$260,657		
	BCWS		\$4,749	\$27,432	\$41,339	\$113,895	\$370,252	\$626,608	\$872,964	\$1,069,321	\$1,288,677	\$1,289,017		
Actual Monthly	Hours		87	113	96	286	186	207	59	188	259	1,103	1,361	
	Burdened labor		\$7,069	\$8,379	\$4,811	\$15,967	\$10,372	\$10,343	\$2,714	\$9,619	\$12,038	\$53,707	\$62,782	
	Subcontracts		\$0	\$0	\$0	\$0	\$5,900	\$5,956	\$1,941	\$0	\$0	\$0	\$0	
	ODC's		\$479	\$2,794	\$284	\$4,069	\$3,987	\$5,349	\$204	\$4,889	\$1,050	\$5,404	\$17,752	
	Unbilled ODCs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	Unbilled Subs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	Avg. Labor Rate		\$81.25	\$74.15	\$50.12	\$55.93	\$55.91	\$49.97	\$45.99	\$51.30	\$46.96	\$48.71	\$46.13	
	ACWP		\$7,548	\$11,173	\$5,095	\$20,037	\$20,258	\$21,648	\$4,859	\$14,508	\$11,108	\$59,111	\$80,534	
Cumulative	Hours		87	200	296	582	767	974	1,033	1,221	1,480	2,582	3,943	
	Burdened labor		\$7,069	\$15,448	\$20,259	\$36,226	\$46,598	\$56,941	\$59,655	\$69,273	\$81,332	\$135,038	\$197,820	
	Subcontracts		\$0	\$0	\$0	\$0	\$5,900	\$11,856	\$13,797	\$13,797	\$13,797	\$13,797	\$13,797	
	ODC's		\$479	\$3,273	\$3,557	\$7,626	\$11,613	\$16,962	\$17,166	\$22,056	\$22,106	\$28,510	\$46,262	
	% Complete		2%	2%	4%	5%	5%	5%	6%	6%	6%	14%	16%	
	Unbilled ODCs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	Unbilled Subs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	ACWP		\$7,548	\$18,720	\$23,816	\$43,852	\$64,111	\$85,759	\$90,618	\$105,126	\$116,234	\$177,345	\$257,879	
	BCWP		\$23,202	\$28,358	\$46,405	\$61,873	\$64,451	\$64,451	\$76,697	\$76,697	\$80,534	\$181,494	\$211,399	
	ETC		\$1,265,815	\$1,260,659	\$1,242,612	\$1,227,144	\$1,224,566	\$1,224,566	\$1,212,320	\$1,212,320	\$1,206,067	\$1,107,523	\$1,077,618	
Percent Spent		1%	1%	2%	3%	3%	5%	7%	7%	8%	9%	14%	20%	

	BCWS	BCWP	ACWP	SV	CV	BAC	ETC	EAC	VAC
Hours	0	1105	3943						
Burdened Labor	\$0	\$65,600	\$197,820						
Subcontracts	\$0	\$103,051	\$13,797						
ODCs	\$0	\$42,748	\$46,262						
Unbilled ODCs			\$0						
Unbilled Subs			\$0						
Total	\$0	\$211,399	\$257,879	\$211,399	-\$46,481	\$1,289,017	\$1,077,618	\$1,335,498	-\$46,481



	Month	Cumulative
Budgeted Hours	0	0
Actual Hours	1,361	3,943
Budgeted Avg. Rate	\$0.00	\$0.00
Actual Avg. Rate	\$46.13	\$50.17

TASK 2: Report Preparation	
Starting date:	Apr-01-00
Ending Date:	Dec-29-00

WORK TASK	Breakdown	Total	Period										
			Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Period 8	Period 9	Period 10	Period 11
Approved Monthly	Hours	3,332								600	530	340	340
	Burdened labor	\$233,057								\$41,967	\$26,371	\$23,781	\$23,781
	Subcontracts	\$41,814								\$3,801	\$3,801	\$3,801	\$3,801
	ODC's	\$22,243								\$3,000	\$3,500	\$5,000	\$3,000
	Avg. Labor Rate									69.95	69.95	69.95	69.95
	BAC	\$297,114								\$48,768	\$43,672	\$32,582	\$30,582
Cumulative	Hours									600	1,120	1,460	1,800
	Burdened labor									\$41,967	\$78,338	\$102,120	\$125,901
	Subcontracts									\$3,801	\$7,602	\$11,403	\$15,204
	ODC's									\$3,000	\$6,500	\$11,500	\$14,500
	BCWS									\$48,768	\$92,440	\$125,023	\$155,605
	Actual Monthly	Hours		0	0	0	0	44	16	68	110	55	0
Burdened labor			\$0	\$0	\$0	\$0	\$4,630	\$1,815	\$4,978	\$8,612	\$4,773	\$0	\$0
Subcontracts			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ODC's			\$0	\$0	\$0	\$0	\$0	\$963	\$10	\$32	\$392	\$29	\$238
Unbilled ODCs			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Unbilled Subs			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Avg. Labor Rate							\$105.22	\$113.43	\$73.21	\$78.29	\$75.87		
ACWP			\$0	\$0	\$0	\$0	\$4,630	\$2,778	\$4,988	\$8,644	\$4,365	\$29	\$238
Cumulative	Hours		0	0	0	0	44	60	128	238	293	293	293
	Burdened labor		\$0	\$0	\$0	\$0	\$4,630	\$6,445	\$11,423	\$20,035	\$24,207	\$24,207	\$24,207
	Subcontracts		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	ODC's		\$0	\$0	\$0	\$0	\$0	\$963	\$973	\$1,005	\$1,397	\$1,427	\$1,665
	% Complete		0%	0%	0%	4%	11%	12%	13%	13%	14%	14%	14%
	Unbilled ODCs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Unbilled Subs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	ACWP		\$0	\$0	\$0	\$0	\$4,630	\$7,408	\$12,396	\$21,040	\$25,605	\$25,634	\$25,872
	BCWP		\$0	\$0	\$0	\$10,399	\$33,277	\$35,357	\$37,436	\$39,516	\$41,556	\$41,596	\$41,596
	ETC		\$297,114	\$297,114	\$297,114	\$286,715	\$263,837	\$261,757	\$259,678	\$257,598	\$255,518	\$255,518	\$255,518
Percent Spent		0%	0%	0%	0%	2%	2%	4%	7%	9%	9%	9%	

Period 12	Period 13	Period 14	Period 15	Period 16	Period 17	Period 18
40	240	240	80	340	320	272
\$2,798	\$16,787	\$16,787	\$5,596	\$23,781	\$22,382	\$19,025
\$3,801	\$3,801	\$3,801	\$3,801	\$3,801	\$3,801	\$3,804
\$0	\$1,500	\$1,500	\$0	\$1,500	\$1,630	\$1,613
69.95	69.95	69.95	69.95	69.95	69.95	69.95
\$6,599	\$22,088	\$22,088	\$9,397	\$29,082	\$27,813	\$24,442
1,840	2,080	2,320	2,400	2,740	3,060	3,332
\$128,699	\$145,486	\$162,273	\$167,868	\$191,650	\$214,032	\$233,057
\$19,005	\$22,806	\$26,607	\$30,408	\$34,209	\$38,010	\$41,814
\$14,500	\$16,000	\$17,500	\$17,500	\$19,000	\$20,630	\$22,243
\$162,204	\$184,292	\$206,380	\$215,776	\$244,859	\$272,672	\$297,114

	BCWS	BCWP	ACWP	SV	CV	BAC	ETC	EAC	VAC
Hours	1800	466	293						
Burdened Labor	\$125,901	\$32,628	\$24,207						
Subcontracts	\$15,204	\$5,854	\$0						
ODCs	\$14,500	\$3,114	\$1,665						
Unbilled ODCs			\$0						
Unbilled Subs			\$0						
Total	\$155,605	\$41,596	\$25,872	-\$114,009	\$15,724	\$297,114	\$255,518	\$281,390	\$15,724

	Month	Cumulative
Budgeted Hours	340	1,800
Actual Hours	0	293
Budgeted Avg. Rate	\$69.95	\$69.95
Actual Avg. Rate	\$0.00	\$82.62

<b>TASK 3: Project Management</b>	
Starting date:	Sep-25-99
Ending Date:	May-31-01

WORK TASK	Breakdown	Total	Periods											
			Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Period 8	Period 9	Period 10	Period 11	
Approved Monthly	Hours	1,280	56	56	56	56	56	56	56	56	56	56	56	56
	Burdened labor	\$112,246	\$4,911	\$4,911	\$4,911	\$4,911	\$4,911	\$4,911	\$4,911	\$4,911	\$4,911	\$4,911	\$4,911	\$4,911
	Subcontracts	\$6,671	\$290	\$290	\$290	\$290	\$290	\$290	\$290	\$290	\$290	\$290	\$290	\$290
	ODC's	\$15,703	\$683	\$683	\$683	\$683	\$683	\$683	\$683	\$683	\$683	\$683	\$683	\$683
	Avg. Labor Rate		87.69	87.69	87.69	87.69	87.69	87.69	87.69	87.69	87.69	87.69	87.69	87.69
	BAC	\$134,620	\$5,884	\$5,884	\$5,884	\$5,884	\$5,884	\$5,884	\$5,884	\$5,884	\$5,884	\$5,884	\$5,884	\$5,884
Cumulative	Hours		56	112	168	224	280	336	392	448	504	560	616	
	Burdened labor		\$4,911	\$9,822	\$14,732	\$19,643	\$24,554	\$29,465	\$34,375	\$39,286	\$44,197	\$49,108	\$54,018	
	Subcontracts		\$290	\$580	\$870	\$1,160	\$1,450	\$1,740	\$2,030	\$2,320	\$2,610	\$2,900	\$3,190	
	ODC's		\$683	\$1,366	\$2,049	\$2,732	\$3,415	\$4,098	\$4,781	\$5,464	\$6,147	\$6,830	\$7,513	
	BCWS		\$5,884	\$11,768	\$17,651	\$23,535	\$29,419	\$35,303	\$41,186	\$47,070	\$52,954	\$58,838	\$64,721	
	Actual Monthly	Hours		106	56	50	27	178	204	52	40	48	54	40
Burdened labor		\$8,873	\$6,064	\$3,855	\$3,015	\$15,061	\$17,207	\$4,615	\$4,240	\$5,468	\$5,313	\$3,868		
Subcontracts		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
ODC's		\$168	\$508	\$180	\$160	\$45	\$465	\$87	\$378	\$14	\$129	\$1,240		
Unbilled ODCs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
Unbilled Subs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
Avg. Labor Rate		\$83.71	\$107.51	\$77.56	\$110.85	\$84.66	\$84.35	\$88.67	\$107.35	\$113.91	\$97.93	\$97.93		
ACWP		\$9,041	\$6,571	\$4,035	\$3,175	\$15,106	\$17,672	\$4,702	\$4,618	\$5,481	\$5,442	\$5,109		
Cumulative	Hours		106	162	212	239	417	621	673	713	761	815	855	
	Burdened labor		\$8,873	\$14,937	\$18,791	\$21,806	\$36,867	\$54,074	\$58,690	\$62,930	\$68,398	\$73,710	\$77,578	
	Subcontracts		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	ODC's		\$168	\$676	\$856	\$1,016	\$1,061	\$1,526	\$1,613	\$1,991	\$2,005	\$2,134	\$3,374	
	% Complete		3%	10%	11%	10%	13%	20%	22%	23%	24%	24%	26%	
	Unbilled ODCs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	Unbilled Subs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	ACWP		\$9,041	\$15,612	\$19,647	\$22,823	\$37,928	\$55,600	\$60,303	\$64,921	\$70,402	\$75,844	\$80,953	
	BCWP		\$4,442	\$8,885	\$13,327	\$15,104	\$17,770	\$26,655	\$29,320	\$31,097	\$32,874	\$32,874	\$35,540	
	ETC		\$130,178	\$125,735	\$121,293	\$119,516	\$116,850	\$107,965	\$105,300	\$103,523	\$101,746	\$101,746	\$99,080	
	Percent Spent		7%	12%	15%	17%	28%	41%	45%	48%	52%	56%	60%	

Period 12	Period 13	Period 14	Period 15	Period 16	Period 17	Period 18	Period 19	Period 20	Period 21	Period 22	Period 23
56	56	56	56	56	56	56	56	56	56	56	48
\$4,911	\$4,911	\$4,911	\$4,911	\$4,911	\$4,911	\$4,911	\$4,911	\$4,911	\$4,911	\$4,911	\$4,209
\$290	\$290	\$290	\$290	\$290	\$290	\$290	\$290	\$290	\$290	\$290	\$291
\$683	\$683	\$683	\$683	\$683	\$683	\$683	\$683	\$683	\$683	\$683	\$677
87.69	87.69	87.69	87.69	87.69	87.69	87.69	87.69	87.69	87.69	87.69	87.69
\$5,884	\$5,884	\$5,884	\$5,884	\$5,884	\$5,884	\$5,884	\$5,884	\$5,884	\$5,884	\$5,884	\$5,177
672	728	784	840	896	952	1,008	1,064	1,120	1,176	1,232	1,280
\$58,929	\$63,840	\$68,751	\$73,661	\$78,572	\$83,483	\$88,394	\$93,304	\$98,215	\$103,126	\$108,037	\$112,246
\$3,480	\$3,770	\$4,060	\$4,350	\$4,640	\$4,930	\$5,220	\$5,510	\$5,800	\$6,090	\$6,380	\$6,671
\$8,196	\$8,879	\$9,562	\$10,245	\$10,928	\$11,611	\$12,294	\$12,977	\$13,660	\$14,343	\$15,026	\$15,703
\$70,605	\$76,489	\$82,373	\$88,256	\$94,140	\$100,024	\$105,908	\$111,791	\$117,675	\$123,559	\$129,443	\$134,620

	BCWS	BCWP	ACWP	SV	CV	BAC	ETC	EAC	VAC
Hours	616	338	855						
Burdened Labor	\$54,018	\$29,633	\$77,578						
Subcontracts	\$3,190	\$1,761	\$0						
ODCs	\$7,513	\$4,146	\$3,374						
Unbilled ODCs			\$0						
Unbilled Subs			\$0						
Total	\$64,721	\$35,540	\$80,953	-\$29,182	-\$45,413	\$134,620	\$99,080	\$180,033	-\$45,413



	Month	Cumulative
Budgeted Hours	56	616
Actual Hours	40	855
Budgeted Avg. Rate	\$87.69	\$87.69
Actual Avg. Rate	\$97.93	\$90.79

Jun-30-00						
WBS Number	Task Name	Percent Contribution		Percent Complete		Total
		Level 1	Level 2	Level 2	Level 1	
1	Fieldwork	72%				16%
1.1	Site Visit and Records Review		3%	100%		
1.2	Geophysical Test Plot		2%	100%		
1.3	OE Charaterization EOD Range (SEAD-57)		7%	30%		
1.4	OE Charaterization OD Area (SEAD-45)		7%	15%		
1.5	OE Charaterization Demo. Area (SEAD-)		7%	25%		
1.6	OE Charaterization Burial Area (SEAD-)		2%	50%		
1.7	OE Charaterization Grenade Range (SEAD-)		3%	25%		
1.8	OE Charaterization Small Arms/3.5"Rocket Range (SEAD-46)		3%	25%		
1.9	OE Charaterization EOD Area #3(SEAD-)		2%	40%		
1.1	OE Charaterization EOD Area #2 (SEAD-)		2%	5%		
1.11	OE Charaterization Igloo Area (SEAD-53)		62%	5%		
2	Workplan and Report Preparation	20%				14%
2.1	EE/CA Workplan		14%	100%		
2.2	Data Consolodation for Liquid Sotrage Area (SEAD-43)		12%	0%		
2.3	Data Consolodation for QA Test Range (SEAD-44a)		12%	0%		
2.4	Institutional Analysis		12%	0%		
2.5	Risk Evaluation		22%	0%		
2.6	Prepare EE/CA Report		25%	0%		
2.7	Prepare Action Memo		3%	0%		
3	Project Management	8%				26%
3.1	Community Relations Support		34%	0%		
3.2	Meetings and Project Management		66%	40%		
Total Physical Percent Complete =						%57

Task #	Hours	Direct Labor (DL)	Labor Cost (DL*2.3191)	ODCs	Sub Contractor	Unbilled ODCs	Unbilled Subs	% Comp	ACWP
1	1361	\$27072	62,781.98	\$17752	\$0	\$0	\$0	%16	\$80534
2	0	\$0	0.00	\$238	\$0	\$0	\$0	%14	\$238
3	40	\$1,668	3,868.33	\$1240	\$0	\$0	\$0	%26	\$5109

- 1.11 OE Char Igloo area (SEAD-53)
  
- 2.1 EE/CA Work Plan
  
- 2.2 Data consol for liq prop stor area (SEAD-43)
  
- 2.3 Data consol QA test rng (SEAD-44A)
  
- 2.4 Institutional analysis
  
- 2.5 Risk Evaluation
  
- 2.6 Prepare EE/CA Report
  
- 2.7 Prepare Action Memo
  
- 3.1 Community Relations support
  
- 3.2 Meetings and project management

**PARSONS ENGINEERING SCIENCE, INC.**

30 Dan Road • Canton, Massachusetts 02021-2809 • (781) 401-3200 • Fax: (781) 401-2575

January 18, 2001

*File*

*EE/CA*

Major David Sheets  
CEHNC-PM-EO  
U.S. Army Corps of Engineers  
Engineering and Support Center, Huntsville  
4820 University Square  
Huntsville, AL 35816-1822

**SUBJECT: Period 15 Monthly Progress Report, for the Period Ending December 31, 2000, for OE-EE/CA Activities, Task Order 52 at the Seneca Army Depot Activity (SEDA) under Contract DACA87-95-D-0018**

Dear Major Sheets:

Enclosed with this cover letter is the monthly progress report for the fifteenth period of the job that period ending on December 31, 2000. Task Order 52 describes the Ordnance and Explosive (OE) Engineering Evaluation/Cost Analysis (EE/CA) at the Seneca Army Depot Activity (SEDA). This monthly report is based on the original scope and does not include adjustments being made as Mods 2 and 3. We are in the process of converting the monthly report to reflect Mod 2 values and will include Mod 3 amounts once they are final. The report is included at this time for use in tracking progress on Tasks 2 and 3.

**TASK ORDER 52 (OE-EE/CA at the Seneca Army Depot Activity)**

As described previously, this task order consists of three (3) Work Breakdown Structures (WBS). Each Scope of Work (SOW) task has been included into one of the three (3) WBS tasks. The first task, WBS 01000, includes all the SOW fieldwork tasks, the second task, WBS 02000, includes all report writing, and the third, WBS 03000, includes all project and program management tasks including Community Relations Support.

Work Breakdown Structure 01000, the Fieldwork task, was initiated at the beginning of the project. The Site Visit and Records Review, geophysical test plot, the Indian Creek Burial Ground field investigation, the Grenade Range field investigation, the EOD Area #2 field investigation, and the Igloo Area 'Ditch D' investigation are all 100% complete. On all remaining field sites the investigations are 85% or more physically complete. Inclement weather caused us to stop field operations this month and will likely prevent us from returning to the field until sometime in the spring of 2001. The largest portion of the remaining work consists of completing geophysical and intrusive investigations of radial lines emanating from the active areas in EADs 57 and 45. All the remaining investigation will need to be completed this spring to accurately define the extent of OE and UXO contamination. As mentioned last month, we have already investigated more than the originally estimated 5128 anomalies.

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Major David Sheets  
1/18/01  
Page 2

With the final Mod 3 estimates we can once again accurately report to you the relationship between field actual and estimated costs. The report as it stands now for Task 1 does not reflect the additional budget needed for work done at the request of the contracting officer nor the impact of finding roughly twice as many anomalies as budgeted for.

The Work Breakdown Structure (WBS) Task 02000, the report preparation task, has no activity for the period. The ACWP remains at \$25,872, BCWP at \$41,596, and the BCWS is now \$215,776. This WBS remains substantially under budget. Work on the EE/CA report and other report related tasks begins next month.

The Work Breakdown Structure (WBS) Task 03000, the project management task, has ACWP through Period 15 of \$106,897. The BCWS is \$88,256. This variance is still largely attributable to a partnering session held in Atlanta that was not anticipated originally.

The overall status as shown in the attached financial sheets does not truly reflect accurately the project's status. The variance in actual versus estimated field conditions and additional work conducted in the field at the request of CEHNC still need to be accounted for. Once we have final agreement on the Mod 3 scope the tracking program will be modified to reflect the agreed to work and budgets making these reports more precise, accurate, and useful once again. Even though imprecise the general trending on the project is under budget and behind schedule. This is the 15th monthly progress report.

If you have any questions regarding this or any other project status, please, do not hesitate to call me at (781) 401-2492.

Sincerely,

**PARSONS ENGINEERING SCIENCE, INC**

  
Michael Duchesneau, P.E.  
Task Order Manager

Enclosures

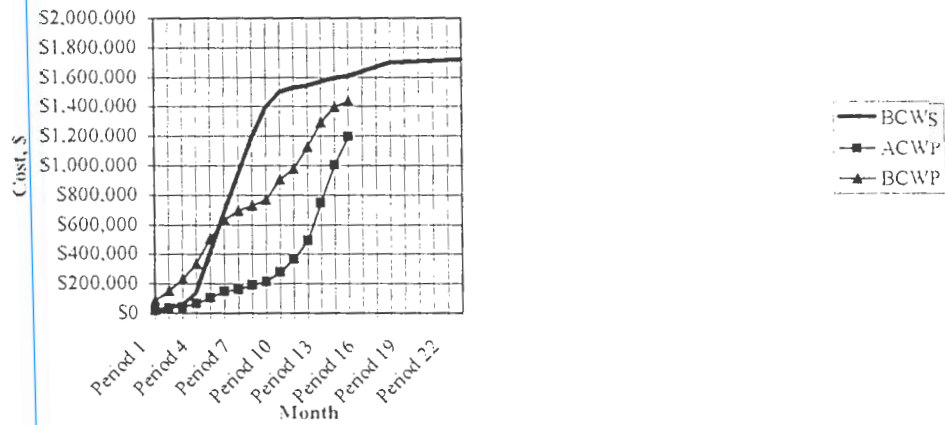
cc: Mr. Kenneth Stockwell, Program Manager, Parsons Engineering Science, Atlanta  
Mr. Stephen Absolon, Seneca Army Depot Activity  
Mr. Randall Battaglia, CENAN, Seneca Army Depot Activity

SUMMARY																
		Starting date: Sep-25-99														
		Ending Date: May-31-01														
WORK TASK	Breakdown	Total	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Period 8	Period 9	Period 10	Period 11	Period 12	Period 13	
Approved Monthly	Hours	11,251	136	216	156	1,056	1,056	1,056	1,056	1,656	1,376	796	396	96	296	
	Burdened labor	745,205	\$8,929,774	\$14,187	\$10,243	\$69,237	\$69,237	\$69,237	\$69,237	\$108,733	\$103,480	\$52,200	\$26,001	\$6,303	\$19,435	
	Subcontracts	\$676,843	\$290	\$10,470	\$3,256	\$8,490	\$160,290	\$160,290	\$150,290	\$104,091	\$34,091	\$11,103	\$4,091	\$4,091	\$4,091	
	ODC's	\$298,603	\$683	\$3,689	\$5,689	\$5,683	\$37,683	\$37,683	\$37,683	\$40,683	\$71,183	\$38,328	\$3,683	\$683	\$2,183	
	Avg. Labor Rate		\$65.66	\$65.66	\$65.66	\$65.66	\$65.66	\$65.66	\$65.66	\$65.66	\$65.66	\$65.66	\$65.66	\$65.66	\$65.66	
BAC		\$1,720,751	\$9,903	\$28,342	\$19,188	\$83,510	\$267,310	\$267,310	\$257,310	\$253,507	\$208,754	\$101,631	\$33,775	\$11,077	\$25,709	
Cumulative	Hours		136	352	508	1,564	2,620	3,676	4,732	6,388	7,964	8,759	9,155	9,251	9,547	
	Burdened labor		\$8,930	\$23,112	\$33,255	\$102,692	\$172,029	\$241,266	\$310,702	\$419,435	\$522,915	\$575,115	\$601,116	\$607,419	\$626,855	
	Subcontracts		\$290	\$10,760	\$14,016	\$22,506	\$182,796	\$343,086	\$493,376	\$597,467	\$631,558	\$642,661	\$646,752	\$650,843	\$654,934	
	ODC's		\$683	\$4,372	\$10,061	\$15,744	\$53,427	\$91,110	\$128,793	\$169,476	\$240,659	\$278,987	\$283,263	\$285,516	\$287,816	
	BCW'S		\$9,903	\$38,244	\$57,422	\$140,942	\$408,252	\$675,562	\$932,871	\$1,186,378	\$1,395,132	\$1,496,763	\$1,520,538	\$1,541,613	\$1,567,323	
Actual Monthly	Hours	193	169	146	213	427	179	227	327	362	1,157	1,401	1,501	928		
	Burdened labor	\$15,942	\$14,442	\$8,666	\$18,983	\$30,062	\$29,266	\$12,207	\$22,471	\$21,699	\$59,019	\$66,650	\$74,222	\$46,628		
	Subcontracts	\$0	\$0	\$0	\$0	\$0	\$5,956	\$1,941	\$0	\$0	\$0	\$0	\$0	\$146,519		
	ODC's	\$647	\$3,391	\$465	\$4,230	\$4,072	\$6,777	\$301	\$5,299	\$1,256	\$5,563	\$19,220	\$13,631	\$22,731		
	Unbilled ODC's	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
	Unbilled Subs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
	Avg. Labor Rate	\$82.60	\$85.26	\$59.48	\$88.71	\$70.70	\$68.77	\$68.74	\$66.68	\$59.94	\$51.02	\$47.19	\$49.64	\$43.76		
	ACWP	\$16,589	\$17,744	\$9,130	\$23,212	\$39,994	\$42,099	\$14,549	\$27,770	\$23,154	\$64,583	\$74,881	\$82,156	\$54,918		
	Cumulative	Hours	193	362	508	821	1,248	1,655	1,834	2,171	2,533	3,690	5,091	6,592	7,499	
		Burdened labor	\$15,942	\$30,384	\$39,050	\$58,033	\$88,094	\$117,460	\$129,767	\$152,238	\$173,936	\$222,956	\$299,606	\$374,128	\$420,757	
Subcontracts		\$0	\$0	\$0	\$0	\$5,900	\$11,856	\$13,797	\$13,797	\$13,797	\$13,797	\$13,797	\$13,797	\$206,316		
ODC's		\$647	\$3,948	\$4,413	\$8,642	\$12,674	\$19,452	\$19,753	\$25,052	\$26,508	\$32,071	\$51,301	\$104,933	\$127,666		
% Complete		1%	2%	4%	20%	29%	37%	40%	42%	45%	52%	57%	66%	74%		
Unbilled ODC's		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
Unbilled Subs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
ACWP		\$16,589	\$34,333	\$43,463	\$66,675	\$106,669	\$148,767	\$163,317	\$191,087	\$214,241	\$278,824	\$364,704	\$492,860	\$548,776		
BCWP		\$87,738	\$151,426	\$222,301	\$323,891	\$505,901	\$631,516	\$693,979	\$728,738	\$769,176	\$903,394	\$977,387	\$1,128,296	\$1,291,124		
ETC		\$1,632,993	\$1,469,225	\$1,488,450	\$1,384,860	\$1,214,850	\$1,089,225	\$1,026,771	\$992,013	\$951,475	\$817,247	\$743,264	\$592,453	\$422,417		
Percent Spent	1%	2%	3%	4%	6%	9%	9%	11%	12%	16%	21%	29%	34%			

Period 14	Period 15	Period 16	Period 17	Period 18	Period 19	Period 20	Period 21	Period 22	Period 23
596	136	796	378	338	56	56	56	56	56
\$19,435	\$8,970	\$53,001	\$24,688	\$11,936	\$2,677	\$3,677	\$3,677	\$3,677	\$3,112
\$4,091	\$4,091	\$4,091	\$4,091	\$4,091	\$390	\$390	\$390	\$390	\$391
\$2,183	\$683	\$2,183	\$2,213	\$2,296	\$663	\$683	\$683	\$683	\$677
\$65,66	\$65,66	\$65,66	\$65,66	\$65,66	\$65,66	\$65,66	\$65,66	\$65,66	\$65,66
\$25,709	\$12,704	\$32,274	\$31,092	\$27,926	\$4,650	\$4,650	\$4,650	\$4,120	\$4,120
9,843	9,879	10,274	10,751	11,079	11,125	11,191	11,247	11,203	11,251
\$666,299	\$655,220	\$661,231	\$705,999	\$727,466	\$711,122	\$714,299	\$718,676	\$724,123	\$734,205
\$659,925	\$659,116	\$667,207	\$671,298	\$675,392	\$679,482	\$683,572	\$687,662	\$691,752	\$695,842
\$28,719	\$288,402	\$290,343	\$292,898	\$295,194	\$297,877	\$298,650	\$299,220	\$299,926	\$298,601
\$1,292,034	\$1,696,778	\$1,639,013	\$1,670,105	\$1,698,032	\$1,702,681	\$1,707,321	\$1,711,961	\$1,716,601	\$1,720,241
621	722	722	722	722	722	722	722	722	722
\$32,145	\$17,612	\$17,612	\$17,612	\$17,612	\$17,612	\$17,612	\$17,612	\$17,612	\$17,612
\$193,777	\$123,710	\$123,710	\$123,710	\$123,710	\$123,710	\$123,710	\$123,710	\$123,710	\$123,710
\$38,248	\$31,786	\$31,786	\$31,786	\$31,786	\$31,786	\$31,786	\$31,786	\$31,786	\$31,786
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$51,80	\$51,22	\$51,22	\$51,22	\$51,22	\$51,22	\$51,22	\$51,22	\$51,22	\$51,22
\$24,676	\$192,548	\$192,548	\$192,548	\$192,548	\$192,548	\$192,548	\$192,548	\$192,548	\$192,548
8,120	8,843	8,843	8,843	8,843	8,843	8,843	8,843	8,843	8,843
\$45,211	\$489,963	\$489,963	\$489,963	\$489,963	\$489,963	\$489,963	\$489,963	\$489,963	\$489,963
\$384,129	\$407,839	\$407,839	\$407,839	\$407,839	\$407,839	\$407,839	\$407,839	\$407,839	\$407,839
\$166,414	\$186,201	\$186,201	\$186,201	\$186,201	\$186,201	\$186,201	\$186,201	\$186,201	\$186,201
\$174	\$847	\$847	\$847	\$847	\$847	\$847	\$847	\$847	\$847
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$1,003,144	\$1,196,003	\$1,196,003	\$1,196,003	\$1,196,003	\$1,196,003	\$1,196,003	\$1,196,003	\$1,196,003	\$1,196,003
\$1,296,289	\$1,437,177	\$1,437,177	\$1,437,177	\$1,437,177	\$1,437,177	\$1,437,177	\$1,437,177	\$1,437,177	\$1,437,177
\$324,262	\$283,580	\$283,580	\$283,580	\$283,580	\$283,580	\$283,580	\$283,580	\$283,580	\$283,580
\$87	\$87	\$87	\$87	\$87	\$87	\$87	\$87	\$87	\$87

	BCWS	BCWP	ACWP	SV	CV	BAC	ETC	EAC	VAC
Hours	9979	9480	8843						
Burdened Labor	\$655,220	\$622,479	\$489,963						
Subcontracts	\$663,116	\$565,299	\$507,839						
CDCs	\$288,402	\$249,393	\$198,201						
Unbilled CDCs			\$0						
Unbilled Subs			\$0						
<b>Total</b>	<b>\$1,606,738</b>	<b>\$1,437,171</b>	<b>\$1,196,003</b>	<b>-\$169,566</b>	<b>\$241,169</b>	<b>\$1,720,751</b>	<b>\$283,580</b>	<b>\$1,479,582</b>	<b>\$241,169</b>

**COST OF WORK FOR TOTAL JOB**





	Month	Cumulative
Budgeted Hours	136	9,979
Actual Hours	723	8,843
Budgeted Avg. Rate	\$65.66	\$65.66
Actual Avg. Rate	\$51.23	\$55.40

TASK 1: Fieldwork								
			Starting date:	Sep-27-99				
			Ending Date:	May-26-00				
WORK TASK	Breakdown	Total	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6
Approved Monthly	Hours	6,739	80	160	100	1,000	1,000	1,000
	Burdened labor	\$400,002	\$4,749	\$9,497	\$5,936	\$59,356	\$59,356	\$59,356
	Subcontracts	\$628,358	\$0	\$10,180	\$2,966	\$8,200	\$160,000	\$160,000
	ODC's	\$260,657	\$0	\$3,006	\$5,006	\$5,000	\$37,000	\$37,000
	Avg. Labor Rate		59.36	59.36	59.36	59.36	59.36	59.36
	BAC	\$1,289,017	\$4,749	\$22,683	\$13,908	\$72,556	\$256,356	\$256,356
Cumulative	Hours		80	240	340	1,340	2,340	3,340
	Burdened labor		\$4,749	\$14,246	\$20,181	\$79,537	\$138,894	\$198,250
	Subcontracts		\$0	\$10,180	\$13,146	\$21,346	\$181,346	\$341,346
	ODC's		\$0	\$3,006	\$8,012	\$13,012	\$50,012	\$87,012
	BCWS		\$4,749	\$27,432	\$41,339	\$113,895	\$370,252	\$626,608
Actual Monthly	Hours		87	113	96	286	186	207
	Burdened labor		\$7,069	\$8,379	\$4,811	\$15,967	\$10,372	\$10,343
	Subcontracts		\$0	\$0	\$0	\$0	\$5,900	\$5,956
	ODC's		\$479	\$2,794	\$284	\$4,069	\$3,987	\$5,349
	Unbilled ODCs		\$0	\$0	\$0	\$0	\$0	\$0
	Unbilled Subs		\$0	\$0	\$0	\$0	\$0	\$0
	Avg. Labor Rate		\$81.25	\$74.15	\$50.12	\$55.93	\$55.91	\$49.97
	ACWP		\$7,548	\$11,173	\$5,095	\$20,037	\$20,258	\$21,648
Cumulative	Hours		87	200	296	582	767	974
	Burdened labor		\$7,069	\$15,448	\$20,259	\$36,226	\$46,598	\$56,941
	Subcontracts		\$0	\$0	\$0	\$0	\$5,900	\$11,856
	ODC's		\$479	\$3,273	\$3,557	\$7,626	\$11,613	\$16,962
	% Complete		2%	2%	4%	5%	5%	5%
	Unbilled ODCs		\$0	\$0	\$0	\$0	\$0	\$0
	Unbilled Subs		\$0	\$0	\$0	\$0	\$0	\$0
	ACWP		\$7,548	\$18,720	\$23,816	\$43,852	\$64,111	\$85,759
	BCWP		\$23,202	\$28,358	\$46,405	\$61,873	\$64,451	\$64,451
	ETC		\$1,265,815	\$1,260,659	\$1,242,612	\$1,227,144	\$1,224,566	\$1,221,510
Percent Spent		1%	1%	2%	3%	5%	7%	

Period 7	Period 8	Period 9	Period 10	Period 11	Period 12	Period 13	Period 14	Period 15
1,000	1,000	1,000	399					
\$59,356	\$59,356	\$59,356	\$23,683					
\$150,000	\$100,000	\$30,000	\$7,012					
\$37,000	\$37,000	\$67,000	\$32,645					
59.36	59.36	59.36	59.36					
\$246,356	\$196,356	\$156,356	\$63,340					
4,340	5,340	6,340	6,739					
\$257,606	\$316,963	\$376,319	\$400,002					
\$491,346	\$591,346	\$621,346	\$628,358					
\$124,012	\$161,012	\$228,012	\$260,657					
\$872,964	\$1,069,321	\$1,225,677	\$1,289,017					
59	188	259	1,103	1,361	1,458	834	552	660
\$2,714	\$9,619	\$12,058	\$53,707	\$62,782	\$70,087	\$38,899	\$25,173	\$31,729
\$1,941	\$0	\$0	\$0	\$0	\$0	\$186,559	\$183,773	\$123,710
\$204	\$4,889	\$1,050	\$5,404	\$17,752	\$53,193	\$21,874	\$38,646	\$31,712
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$45.99	\$51.30	\$46.56	\$48.71	\$46.13	\$48.08	\$46.67	\$45.64	\$48.06
\$4,859	\$14,508	\$13,108	\$59,111	\$80,534	\$123,280	\$247,332	\$247,592	\$187,151
1,033	1,221	1,480	2,582	3,943	5,401	6,234	6,786	7,446
\$59,655	\$69,273	\$81,332	\$135,038	\$197,820	\$267,907	\$306,806	\$331,979	\$363,708
\$13,797	\$13,797	\$13,797	\$13,797	\$13,797	\$13,797	\$200,356	\$384,129	\$507,839
\$17,166	\$22,056	\$23,106	\$28,510	\$46,262	\$99,455	\$121,329	\$159,975	\$191,687
6%	6%	6%	14%	16%	24%	31%	37%	39%
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$90,618	\$105,126	\$118,234	\$177,345	\$257,879	\$381,159	\$628,491	\$876,082	\$1,063,234
\$76,697	\$76,697	\$80,950	\$181,494	\$211,399	\$307,431	\$404,107	\$482,737	\$496,272
\$1,212,320	\$1,212,320	\$1,208,067	\$1,107,523	\$1,077,618	\$981,586	\$884,910	\$806,280	\$792,745
7%	8%	9%	14%	20%	30%	49%	68%	82%

	BCWS	BCWP	ACWP	SV	CV	BAC	ETC	EAC	VAC
Hours	0	2595	7446						
Burdened Labor	\$0	\$154,001	\$363,708						
Subcontracts	\$0	\$241,918	\$507,839						
ODCs	\$0	\$100,353	\$191,687						
Unbilled ODCs			\$0						
Unbilled Subs			\$0						
Total	\$0	\$496,272	\$1,063,234	\$496,272	-\$566,962	\$1,289,017	\$792,745	\$1,855,979	-\$566,962

	Month	Cumulative
Budgeted Hours	0	0
Actual Hours	660	7,446
Budgeted Avg. Rate	\$0.00	\$0.00
Actual Avg. Rate	\$48.06	\$48.85

TASK 2: Report Preparation												
		Starting date:	Apr-01-00									
		Ending Date:	Dec-29-00									
WORK TASK	Breakdown	Total	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Period 8	Period 9	Period 10
Approved Monthly	Hours	3,332								600	520	340
	Burdened labor	\$233,057								\$41,967	\$36,371	\$23,781
	Subcontracts	\$41,814								\$3,801	\$3,801	\$3,801
	ODC's	\$22,243								\$3,000	\$3,500	\$5,000
	Avg. Labor Rate									69.95	69.95	69.95
	BAC	\$297,114								\$48,768	\$43,722	\$32,582
Cumulative	Hours									600	1,120	1,460
	Burdened labor									\$41,967	\$78,338	\$102,119
	Subcontracts									\$3,801	\$7,602	\$11,403
	ODC's									\$3,000	\$6,500	\$11,500
	BCW's									\$48,768	\$92,440	\$125,022
	Actual Monthly	Hours		0	0	0	0	44	16	68	110	55
Burdened labor			\$0	\$0	\$0	\$0	\$4,630	\$1,815	\$4,978	\$8,612	\$4,173	\$0
Subcontracts			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ODC's			\$0	\$0	\$0	\$0	\$0	\$963	\$10	\$32	\$392	\$29
Unbilled ODCs			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Unbilled Subs			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Avg. Labor Rate							\$105.22	\$113.43	\$73.21	\$78.29	\$75.87	
ACWP			\$0	\$0	\$0	\$0	\$4,630	\$2,778	\$4,988	\$8,644	\$4,565	\$29
Cumulative	Hours		0	0	0	0	44	60	128	238	293	293
	Burdened labor		\$0	\$0	\$0	\$0	\$4,630	\$6,445	\$11,423	\$20,035	\$24,207	\$24,207
	Subcontracts		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	ODC's		\$0	\$0	\$0	\$0	\$0	\$963	\$973	\$1,005	\$1,397	\$1,427
	% Complete		0%	0%	0%	4%	11%	12%	13%	13%	14%	14%
	Unbilled ODCs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Unbilled Subs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	ACWP		\$0	\$0	\$0	\$0	\$4,630	\$7,408	\$12,396	\$21,040	\$25,605	\$25,634
	BCWP		\$0	\$0	\$0	\$10,399	\$33,277	\$35,357	\$37,436	\$39,516	\$41,596	\$41,596
	ETC		\$297,114	\$297,114	\$297,114	\$286,715	\$263,837	\$261,757	\$259,678	\$257,598	\$255,518	\$255,518
Percent Spent			0%	0%	0%	0%	2%	2%	4%	7%	9%	9%

Period 11	Period 12	Period 13	Period 14	Period 15	Period 16	Period 17	Period 18
340	40	240	240	80	340	320	272
\$23,781	\$2,798	\$16,787	\$16,787	\$5,596	\$23,781	\$22,382	\$19,025
\$3,801	\$3,801	\$3,801	\$3,801	\$3,801	\$3,801	\$3,801	\$3,804
\$3,000	\$0	\$1,500	\$1,500	\$0	\$1,500	\$1,630	\$1,613
69.95	69.95	69.95	69.95	69.95	69.95	69.95	69.95
\$30,582	\$6,599	\$22,088	\$22,088	\$9,397	\$29,082	\$27,813	\$24,442
1,800	1,840	2,080	2,320	2,400	2,740	3,060	3,332
\$125,901	\$128,699	\$145,486	\$162,273	\$167,868	\$191,650	\$214,032	\$233,057
\$15,204	\$19,005	\$22,806	\$26,607	\$30,408	\$34,209	\$38,010	\$41,814
\$14,500	\$14,500	\$16,000	\$17,500	\$17,500	\$19,000	\$20,630	\$22,243
\$155,605	\$162,204	\$184,292	\$206,380	\$215,776	\$244,859	\$272,672	\$297,114
0	0	0	0	0			
\$0	\$0	\$0	\$0	\$0			
\$0	\$0	\$0	\$0	\$0			
\$238	\$0	\$0	\$0	\$0			
\$0	\$0	\$0	\$0	\$0			
\$0	\$0	\$0	\$0	\$0			
\$238	\$0	\$0	\$0	\$0			
293	293	293	293	293			
\$24,207	\$24,207	\$24,207	\$24,207	\$24,207			
\$0	\$0	\$0	\$0	\$0			
\$1,665	\$1,665	\$1,665	\$1,665	\$1,665			
14%	14%	14%	14%	14%			
\$0	\$0	\$0	\$0	\$0			
\$0	\$0	\$0	\$0	\$0			
\$25,872	\$25,872	\$25,872	\$25,872	\$25,872			
\$41,596	\$41,596	\$41,596	\$41,596	\$41,596			
\$255,518	\$255,518	\$255,518	\$255,518	\$255,518			
9%	9%	9%	9%	9%			

	BCWS	BCWP	ACWP	SV	CV	BAC	ETC	EAC	VAC
Hours	2400	466	293						
Burdened Labor	\$167,868	\$32,628	\$24,207						
Subcontracts	\$30,408	\$5,854	\$0						
ODCs	\$17,500	\$3,114	\$1,665						
Unbilled ODCs			\$0						
Unbilled Subs			\$0						
Total	\$215,776	\$41,596	\$25,872	-\$174,180	\$15,724	\$297,114	\$255,518	\$281,390	\$15,724



	Month	Cumulative
Budgeted Hours	80	2,400
Actual Hours	0	293
Budgeted Avg. Rate	\$69.95	\$69.95
Actual Avg. Rate	\$0.00	\$82.62

TASK 3		Project Management											
	Starting date:	Sep-25-99											
	Ending Date:	May-31-01											
WORK TASK	Breakdown	Total	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Period 8	Period 9	Period 10	Period 11
	Hours	1,280	56	56	56	56	56	56	56	56	56	56	56
Approved Monthly	Burdened labor	\$112,246	\$4,911	\$4,911	\$4,911	\$4,911	\$4,911	\$4,911	\$4,911	\$4,911	\$4,911	\$4,911	\$4,911
	Subcontract	\$6,671	\$290	\$290	\$290	\$290	\$290	\$290	\$290	\$290	\$290	\$290	\$290
	ODC's	\$15,703	\$683	\$683	\$683	\$683	\$683	\$683	\$683	\$683	\$683	\$683	\$683
	Avg. Labor Rate	\$134,620	8 <sup>69</sup>	8 <sup>69</sup>	8 <sup>69</sup>	8 <sup>69</sup>	8 <sup>69</sup>	8 <sup>69</sup>	8 <sup>69</sup>	8 <sup>69</sup>	8 <sup>69</sup>	8 <sup>69</sup>	8 <sup>69</sup>
Cumulative	BAC	\$5,884	\$5,884	\$5,884	\$5,884	\$5,884	\$5,884	\$5,884	\$5,884	\$5,884	\$5,884	\$5,884	\$5,884
	Hours	56	112	168	224	280	336	392	448	504	560	616	672
	Burdened labor	\$4,911	\$9,822	\$14,732	\$19,643	\$24,554	\$29,465	\$34,375	\$39,286	\$44,197	\$49,108	\$54,018	\$58,929
	Subcontract	\$290	\$580	\$870	\$1,160	\$1,450	\$1,740	\$2,030	\$2,320	\$2,610	\$2,900	\$3,190	\$3,480
Actual Monthly	ODC's	\$683	\$1,366	\$2,049	\$2,732	\$3,415	\$4,098	\$4,781	\$5,464	\$6,147	\$6,830	\$7,513	\$8,196
	B/CV's	\$5,884	\$11,768	\$17,651	\$23,535	\$29,419	\$35,303	\$41,186	\$47,070	\$52,954	\$58,838	\$64,722	\$70,606
	Hours	106	56	50	22	178	204	52	40	48	54	60	66
	Burdened labor	\$8,873	\$6,064	\$3,855	\$3,015	\$15,061	\$17,207	\$4,615	\$4,240	\$5,468	\$5,313	\$5,808	\$5,653
Cumulative	Subcontract	\$0	\$0	\$180	\$160	\$45	\$465	\$87	\$378	\$14	\$129	\$129	\$129
	Included ODC's	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Included Sub	\$8371	\$10751	\$24956	\$11085	\$8466	\$435	\$8867	\$1035	\$11391	\$993	\$5442	\$519
	Avg. Labor Rate	\$9,041	\$6,571	\$4,035	\$3,175	\$15,106	\$17,672	\$4,702	\$4,618	\$5,481	\$5,442	\$5,199	\$5,199
Actual	Hours	106	162	212	239	417	621	673	713	761	815	869	923
	Burdened labor	\$8,873	\$14,937	\$18,791	\$21,806	\$26,887	\$34,074	\$38,690	\$42,930	\$46,348	\$49,110	\$51,279	\$52,879
	Subcontract	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	ODC's	\$168	\$508	\$856	\$1,016	\$1,061	\$1,526	\$1,613	\$1,291	\$2,005	\$2,114	\$2,196	\$2,286
Cumulative	% Complete	3%	9%	10%	11%	12%	13%	14%	15%	16%	17%	18%	19%
	Unbilled Sub	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	ACWP	\$9,041	\$15,612	\$19,647	\$22,823	\$25,928	\$28,600	\$30,303	\$31,097	\$31,802	\$32,411	\$32,926	\$33,441
	BCWP	\$4,421	\$8,885	\$13,357	\$15,104	\$15,104	\$15,104	\$15,104	\$15,104	\$15,104	\$15,104	\$15,104	\$15,104
ETC		\$130,178	\$125,735	\$121,293	\$119,516	\$118,850	\$118,295	\$117,740	\$117,185	\$116,630	\$116,075	\$115,520	\$114,965
	Percent Spent	9%	12%	15%	16%	17%	18%	19%	20%	21%	22%	23%	24%

Period 12	Period 13	Period 14	Period 15	Period 16	Period 17	Period 18	Period 19	Period 20	Period 21	Period 22	Period 23
56	56	56	56	56	56	56	56	56	56	56	48
\$4,911	\$4,911	\$4,911	\$4,911	\$4,911	\$4,911	\$4,911	\$4,911	\$4,911	\$4,911	\$4,911	\$4,209
\$290	\$290	\$290	\$290	\$290	\$290	\$290	\$290	\$290	\$290	\$290	\$291
\$683	\$683	\$683	\$683	\$683	\$683	\$683	\$683	\$683	\$683	\$683	\$677
87.69	87.69	87.69	87.69	87.69	87.69	87.69	87.69	87.69	87.69	87.69	87.69
\$5,884	\$5,884	\$5,884	\$5,884	\$5,884	\$5,884	\$5,884	\$5,884	\$5,884	\$5,884	\$5,884	\$5,177
672	728	784	840	896	952	1,008	1,064	1,120	1,176	1,232	1,280
\$58,929	\$63,840	\$68,751	\$73,661	\$78,572	\$83,483	\$88,394	\$93,304	\$98,215	\$103,126	\$108,037	\$112,946
\$3,480	\$3,770	\$4,060	\$4,350	\$4,640	\$4,930	\$5,220	\$5,510	\$5,800	\$6,090	\$6,380	\$6,671
\$8,196	\$8,879	\$9,562	\$10,245	\$10,928	\$11,611	\$12,294	\$12,977	\$13,660	\$14,343	\$15,026	\$15,703
\$70,605	\$76,489	\$82,373	\$88,256	\$94,140	\$100,024	\$105,908	\$111,791	\$117,675	\$123,559	\$129,443	\$134,620
43	74	69	63								
\$4,435	\$7,729	\$6,982	\$5,323								
\$0	\$0	\$0	\$0								
\$441	\$857	\$103	\$74								
\$0	\$0	\$0	\$0								
\$0	\$0	\$0	\$0								
\$102.44	\$104.10	\$100.82	\$84.49								
\$4,876	\$8,587	\$7,084	\$5,397								
898	972	1,041	1,104								
\$82,014	\$89,743	\$96,725	\$102,048								
\$0	\$0	\$0	\$0								
\$3,815	\$4,672	\$4,775	\$4,849								
28%	30%	30%	31%								
\$0	\$0	\$0	\$0								
\$0	\$0	\$0	\$0								
\$85,829	\$94,415	\$101,500	\$106,897								
\$37,317	\$39,982	\$39,982	\$41,759								
\$97,303	\$94,638	\$94,638	\$92,861								
64%	70%	75%	79%								

	BCWS	BCWP	ACWP	SV	CV	BAC	ETC	EAC	VAC
Hours	840	397	1104						
Burdened Labor	\$73,661	\$34,819	\$102,048						
Subcontractors	\$4,350	\$2,069	\$0						
ODCs	\$10,245	\$4,871	\$4,849						
Unbilled ODCs			\$0						
Unbilled Subs			\$0						
Total	\$88,256	\$41,759	\$106,897	-\$46,497	-\$65,138	\$134,020	\$92,861	\$190,758	-\$65,138

	Month	Cumulative
Budgeted Hours	56	840
Actual Hours	63	1,104
Budgeted Avg. Rate	\$87.69	\$87.69
Actual Avg. Rate	\$84.49	\$92.41

- 1.11 OE Char Igloo area (SEAD-53)
  
- 2.1 EE C.A Work Plan
  
- 2.2 Data consol for liq prop stor area (SEAD-43)
  
- 2.3 Data consol QA test mg (SEAD-44A)
  
- 2.4 Institutional analysis
  
- 2.5 Risk Evaluation
  
- 2.6 Prepare EE C.A Report
  
- 2.7 Prepare Action Memo
  
- 3.1 Community Relations support
  
- 3.2 Meetings and project management

WBS Number	Task Name	Percent Contribution		Percent Complete		Total
		Level 1	Level 2	Level 2	Level 1	
1	Fieldwork	72%				39%
1.1	Site Visit and Records Review		3%	100%		
1.2	Geophysical Test Plot		2%	100%		
1.3	OE Charaterization EOD Range (SEAD-57)		7%	85%		
1.4	OE Charaterization OD Area (SEAD-45)		7%	95%		
1.5	OE Charaterization Demo. Area (SEAD-)		7%	90%		
1.6	OE Charaterization Burial Area (SEAD-)		2%	100%		
1.7	OE Charaterization Grenade Range (SEAD-)		3%	100%		
1.8	OE Charaterization Small Arms/3.5" Rocket Range (SEAD-46)		3%	90%		
1.9	OE Charaterization EOD Area #3(SEAD-)		2%	90%		
1.1.1	OE Charaterization EOD Area #2 (SEAD-)		2%	100%		
1.1.1	OE Charaterization Igloo Area (SEAD-53)		62%	5%		
2	Workplan and Report Preparation	20%				14%
2.1	EE CA Workplan		14%	100%		
2.2	Data Consolodation for Liquid Sotrage Area (SEAD-43)		12%	0%		
2.3	Data Consolodation for QA Test Range (SEAD-44a)		12%	0%		
2.4	Institutional Analysis		12%	0%		
2.5	Risk Evaluation		22%	0%		
2.6	Prepare EE CA Report		25%	0%		
2.7	Prepare Action Memo		3%	0%		
3	Project Management	8%				31%
3.1	Community Relations Support		34%	0%		
3.2	Meetings and Project Management		66%	47%		
Total Physical Percent Complete =						%84

Task #	Hours	Direct Labor (DL)	Labor Cost (DL*2,3191)	ODCs	Sub Contractor	Unbilled ODCs	Unbilled Subs	% Comp	ACWP
1	660	\$14462	31,728.89	\$31712	\$123710	\$0	\$0	%39	\$187151
2	0	\$0	0.00	\$0	\$0	\$0	\$0	%14	\$0
3	63	\$2,295	5,322.78	\$74	\$0	\$0	\$0	%31	\$5397

**PARSONS ENGINEERING SCIENCE, INC.**

30 Dan Road \* Canton, Massachusetts 02021-2809 U.S.A. \* Telephone: (781) 401-3200 \* Fax: (781) 401-2575

file  
OE  
EE/CA

June 8, 2000

Mr. Fred Wissel  
CEHNC-PM  
U.S. Army Corps of Engineers  
Engineering and Support Center, Huntsville  
4820 University Square  
Huntsville, AL 35816-1822

**SUBJECT: Period 8 Monthly Progress Report, for the Period Ending May 31, 2000, for OE-EE/CA Activities, Task Order 52 at the Seneca Army Depot Activity (SEDA) under Contract DACA87-95-D-0018**

Dear Mr. Wissel:

Enclosed with this cover letter is the monthly progress report for the eighth period of the job that period ending on May 31, 2000. Task Order 52 describes the Ordnance and Explosive (OE) Engineering Evaluation/Cost Analysis (EE/CA) at the Seneca Army Depot Activity (SEDA).

**TASK ORDER 52 (OE-EE/CA at the Seneca Army Depot Activity)**

As described previously this task order consists of three (3) Work Breakdown Structures (WBS). Each Scope of Work (SOW) task has been included into one of these three (3) WBS tasks. The first task, WBS 01000, includes all the SOW fieldwork tasks, comprises approximately 72% of the budget of the Task Order. There are now 13 sites to be evaluated, 11 of which will require fieldwork. The 2 non-field sites will be evaluated based upon the data that has been accumulated through previously performed fieldwork. WBS 02000 includes all report writing tasks in the SOW, such as the EE/CA Report task and Task 18, and the Action Memorandum task. WBS 02000 comprises 20% of the Task Order. WBS 03000 includes all project and program management tasks, Task 19, the Community Relations Support task and Task 20 the Project Management and Meetings task. This WBS comprises the remaining 8% of the Task Order.

Work Breakdown Structure 01000, the fieldwork task, was initiated at the beginning of the project. SOW Task 1.1, the Site Visit and Records Review is considered to be 100% complete. Included in Work Task 1 is the performance of the geophysical test plot, SOW Task 1.2. As of the end to Period 8, this task is considered to be 100% complete. The test plot results are included in the OE/EECA workplan. With work plan approval the major field efforts can begin at the middle of June, 2000. Pre-mobilization final coordination and checks are currently underway.



From an earned value perspective for WBS 01000, the cumulative Actual Cost of the Work Performed (ACWP) through Period 8 is \$106,276. The Budgeted Cost of the Work Performed (BCWP) is \$76,697. The Budgeted Cost of the Work Scheduled (BCWS) is \$1,225,677. This means that this WBS is over budget and not on schedule. Once we receive work plan approval and proceed with the major field tasks, this WBS is expected to recover to the budgeted and scheduled work. The estimate of the Budget at Completion (EAC) remains as originally budgeted at \$1,289,017. The attached financial sheets provide you with a description of the earned values described herein.

The Work Breakdown Structure (WBS) Task 02000, the report preparation task, is continuing. SOW Task 2.1, the preparation of the EE/CA workplan was complete through submission of the final work plan for comment. Mr. Kevin Healy of the Huntsville COE has been of great assistance getting COE comments to Parsons. Currently comments on the final work plan submittal are being addressed. Work plan approval appears to be awaiting only the resolution of one comment concerning Most Probable Munitions (MPM) at each site. We plan to have all comments addressed in the work plan for approval allowing us to begin field work no later than Jun 19, 2000.

From an earned value perspective for WBS 02000, the cumulative Actual Cost of the Work Performed (ACWP) through Period 8 is \$21,716. The Budgeted Cost of the Work Performed (BCWP) is \$39,516. The Budgeted Cost of the Work Scheduled (BCWS) is \$48,768. This means that this WBS remains substantially under budget and ahead of schedule. The estimate of the Budget at Completion (EAC) remains as originally budgeted at \$297,114. The attached financial sheets provide you with a description of the earned values described herein.

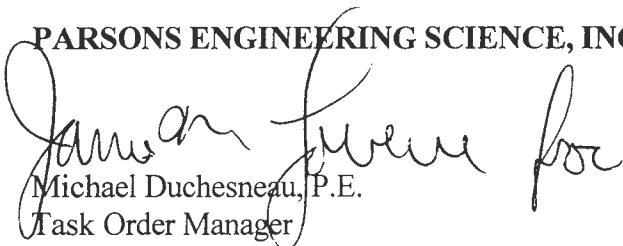
The Work Breakdown Structure (WBS) Task 03000, the project management task, is approximately 35% complete. The ACWP through Period 8 is \$65,956. The BCWP is \$31,097. The BCWS is \$47,070. This means that this WBS is over budget and behind schedule. This remains largely due to increased costs associated with attendance of a week-long project partnering meeting in the Atlanta program management office. The estimate of the Budget at Completion (EAC) remains \$134,620. The attached financial sheets provide you with a description of the earned values described herein. This is the 8th monthly progress report.

Overall, this task order is 42% complete. The ACWP for this task order is \$193,773. The BCWP is \$728,738 and the BCWS is \$1,186,378. The task order is under budget but behind schedule. Parsons ES does not currently anticipate a cost overrun for this task order or schedule slippage if the field work is started as currently planned, mid-Jun, 2000.

The statuses of the delivery orders are described in more detail in the monthly progress reports attached to this cover letter. If you have any questions regarding this or any other project, please, do not hesitate to call me at (781) 401-2492.

Sincerely,

**PARSONS ENGINEERING SCIENCE, INC.**



Michael Duchesneau, P.E.  
Task Order Manager

cc: Mr. Kenneth Stockwell, Program Manager, Parsons Engineering Science, Atlanta  
Mr. Stephen Absolom, Seneca Army Depot Activity  
Mr. Randall Battaglia, CENAN, Seneca Army Depot Activity

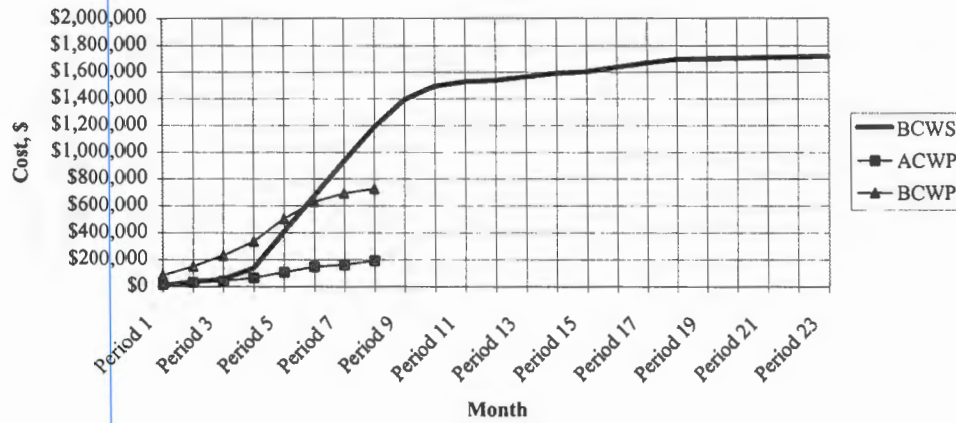
SUMMARY										
		Starting date: Sep-25-99								
		Ending Date: May-31-01								
WORK TASK	Breakdown	Total	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Period 8
Approved Monthly	Hours	11,351	136	216	156	1,056	1,056	1,056	1,056	1,656
	Burdened labor	\$745,305	\$8,930	\$14,183	\$10,243	\$69,337	\$69,337	\$69,337	\$69,337	\$108,733
	Subcontracts	\$676,843	\$290	\$10,470	\$3,256	\$8,490	\$160,290	\$160,290	\$160,290	\$164,091
	ODC's	\$298,603	\$683	\$3,689	\$5,689	\$5,683	\$37,683	\$37,683	\$37,683	\$40,683
	Avg. Labor Rate		\$65.66	\$65.66	\$65.66	\$65.66	\$65.66	\$65.66	\$65.66	\$65.66
	BAC	\$1,720,751	\$9,903	\$28,342	\$19,188	\$83,510	\$267,310	\$267,310	\$267,310	\$257,310
Cumulative	Hours		136	352	508	1,564	2,620	3,676	4,732	6,388
	Burdened labor		\$8,930	\$23,112	\$33,355	\$102,692	\$172,029	\$241,366	\$310,702	\$419,435
	Subcontracts		\$290	\$10,760	\$14,016	\$22,506	\$182,796	\$343,086	\$493,376	\$597,467
	ODC's		\$683	\$4,372	\$10,061	\$15,744	\$53,427	\$91,110	\$128,793	\$169,476
	BCWS		\$9,903	\$38,244	\$57,432	\$140,942	\$408,252	\$675,562	\$932,871	\$1,186,378
	Actual Monthly	Hours		193	169	146	313	407	427	179
Burdened labor			\$15,942	\$14,442	\$9,026	\$18,901	\$31,178	\$29,366	\$12,764	\$23,305
Subcontracts			\$0	\$0	\$0	\$0	\$0	\$5,956	\$1,941	\$0
ODC's			\$647	\$3,301	\$465	\$4,230	\$9,932	\$6,777	\$301	\$5,299
Unbilled ODCs			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Unbilled Subs			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Avg. Labor Rate			\$82.60	\$85.26	\$61.95	\$60.44	\$76.53	\$68.77	\$71.29	\$69.15
ACWP			\$16,589	\$17,744	\$9,491	\$23,130	\$41,110	\$42,099	\$15,006	\$28,604
Cumulative	Hours		193	362	508	821	1,228	1,655	1,834	2,171
	Burdened labor		\$15,942	\$30,384	\$39,411	\$58,311	\$89,489	\$118,855	\$131,619	\$154,924
	Subcontracts		\$0	\$0	\$0	\$0	\$0	\$5,956	\$7,897	\$7,897
	ODC's		\$647	\$3,948	\$4,413	\$8,642	\$18,574	\$25,352	\$25,653	\$30,952
	% Complete		5%	9%	14%	20%	29%	37%	40%	42%
	Unbilled ODCs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Unbilled Subs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	ACWP		\$16,589	\$34,333	\$43,823	\$66,954	\$108,063	\$150,162	\$165,168	\$193,773
	BCWP		\$87,758	\$151,426	\$232,301	\$335,891	\$505,901	\$631,516	\$693,979	\$728,738
	ETC		\$1,632,993	\$1,569,325	\$1,488,450	\$1,384,860	\$1,214,850	\$1,089,235	\$1,026,772	\$992,013
	Percent Spent		1%	2%	3%	4%	6%	9%	10%	11%

Period 9	Period 10	Period 11	Period 12	Period 13	Period 14	Period 15	Period 16	Period 17	Period 18	Period 19
1,576	795	396	96	296	296	136	396	376	328	56
\$103,480	\$52,200	\$26,001	\$6,303	\$19,435	\$19,435	\$8,930	\$26,001	\$24,688	\$21,536	\$3,677
\$34,091	\$11,103	\$4,091	\$4,091	\$4,091	\$4,091	\$4,091	\$4,091	\$4,091	\$4,094	\$290
\$71,183	\$38,328	\$3,683	\$683	\$2,183	\$2,183	\$683	\$2,183	\$2,313	\$2,296	\$683
\$65.66	\$65.66	\$65.66	\$65.66	\$65.66	\$65.66	\$65.66	\$65.66	\$65.66	\$65.66	\$65.66
\$208,754	\$101,631	\$33,775	\$11,077	\$25,709	\$25,709	\$13,704	\$32,275	\$31,092	\$27,926	\$4,650
7,964	8,759	9,155	9,251	9,547	9,843	9,979	10,375	10,751	11,079	11,135
\$522,915	\$575,115	\$601,116	\$607,419	\$626,855	\$646,290	\$655,220	\$681,221	\$705,909	\$727,446	\$731,122
\$631,558	\$642,661	\$646,752	\$650,843	\$654,934	\$659,025	\$663,116	\$667,207	\$671,298	\$675,392	\$675,682
\$240,659	\$278,987	\$282,670	\$283,353	\$285,536	\$287,719	\$288,402	\$290,585	\$292,898	\$295,194	\$295,877
\$1,395,132	\$1,496,763	\$1,530,538	\$1,541,615	\$1,567,325	\$1,593,034	\$1,606,738	\$1,639,013	\$1,670,105	\$1,698,032	\$1,702,681
0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Period 20	Period 21	Period 22	Period 23
56	56	56	48
\$3,677	\$3,677	\$3,677	\$3,152
\$290	\$290	\$290	\$291
\$683	\$683	\$683	\$677
\$65.66	\$65.66	\$65.66	\$65.66
\$4,650	\$4,650	\$4,650	\$4,120
11,191	11,247	11,303	11,351
\$734,799	\$738,476	\$742,153	\$745,305
\$675,972	\$676,262	\$676,552	\$676,843
\$296,560	\$297,243	\$297,926	\$298,603
\$1,707,331	\$1,711,981	\$1,716,631	\$1,720,751
0%	0%	0%	0%

	BCWS	BCWP	ACWP	SV	CV	BAC	ETC	EAC	VAC
Hours	6388	4807	2171						
Burdened Labor	\$419,435	\$315,637	\$154,924						
Subcontracts	\$597,467	\$286,643	\$7,897						
ODCs	\$169,476	\$126,458	\$30,952						
Unbilled ODCs			\$0						
Unbilled Subs			\$0						
<b>Total</b>	<b>\$1,186,378</b>	<b>\$728,738</b>	<b>\$193,773</b>	<b>-\$457,640</b>	<b>\$534,966</b>	<b>\$1,720,751</b>	<b>\$992,013</b>	<b>\$1,185,786</b>	<b>\$534,966</b>

**COST OF WORK FOR TOTAL JOB**



	Month	Cumulative
Budgeted Hours	1,656	6,388
Actual Hours	337	2,171
Budgeted Avg. Rate	\$65.66	\$65.66
Actual Avg. Rate	\$69.15	\$71.35

<b>TASK 1:</b>	<b>Fieldwork</b>
<b>Starting date:</b>	<b>Sep-27-99</b>
<b>Ending Date:</b>	<b>May-26-00</b>

WORK TASK	Breakdown	Total	Periods									
			Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Period 8	Period 9	Period 10
Approved Monthly	Hours	6,739	80	160	100	1,000	1,000	1,000	1,000	1,000	1,000	399
	Burdened labor	\$400,002	\$4,749	\$9,497	\$5,936	\$59,356	\$59,356	\$59,356	\$59,356	\$59,356	\$59,356	\$23,683
	Subcontracts	\$628,358	\$0	\$10,180	\$2,966	\$8,200	\$160,000	\$160,000	\$150,000	\$100,000	\$30,000	\$7,012
	ODC's	\$260,657	\$0	\$3,006	\$5,006	\$5,000	\$37,000	\$37,000	\$37,000	\$37,000	\$67,000	\$32,645
	Avg. Labor Rate		59.36	59.36	59.36	59.36	59.36	59.36	59.36	59.36	59.36	59.36
	BAC	\$1,289,017	\$4,749	\$22,683	\$13,908	\$72,556	\$256,356	\$256,356	\$246,356	\$196,356	\$156,356	\$63,340
Cumulative	Hours		80	240	340	1,340	2,340	3,340	4,340	5,340	6,340	6,739
	Burdened labor		\$4,749	\$14,246	\$20,181	\$79,537	\$138,894	\$198,250	\$257,606	\$316,963	\$376,319	\$400,002
	Subcontracts		\$0	\$10,180	\$13,146	\$21,346	\$181,346	\$341,346	\$491,346	\$591,346	\$621,346	\$628,358
	ODC's		\$0	\$3,006	\$8,012	\$13,012	\$50,012	\$87,012	\$124,012	\$161,012	\$228,012	\$260,657
	BCWS		\$4,749	\$27,432	\$41,339	\$113,895	\$370,252	\$626,608	\$872,964	\$1,069,321	\$1,225,677	\$1,289,017
	Actual Monthly	Hours		87	113	96	286	186	207	59	188	
Burdened labor		\$7,069	\$8,379	\$5,011	\$15,899	\$10,757	\$10,343	\$2,814	\$9,976			
Subcontracts		\$0	\$0	\$0	\$0	\$0	\$5,956	\$1,941	\$0			
ODC's		\$479	\$2,794	\$284	\$4,069	\$9,887	\$5,349	\$204	\$4,889			
Unbilled ODCs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0			
Unbilled Subs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0			
Avg. Labor Rate		\$81.25	\$74.15	\$52.20	\$55.69	\$57.99	\$49.97	\$47.70	\$53.20			
ACWP		\$7,548	\$11,173	\$5,295	\$19,968	\$20,643	\$21,648	\$4,960	\$14,865			
Cumulative	Hours		87	200	296	582	767	974	1,033	1,221		
	Burdened labor		\$7,069	\$15,448	\$20,459	\$36,358	\$47,114	\$57,458	\$60,272	\$70,248		
	Subcontracts		\$0	\$0	\$0	\$0	\$0	\$5,956	\$7,897	\$7,897		
	ODC's		\$479	\$3,273	\$3,557	\$7,626	\$17,513	\$22,862	\$23,067	\$27,956		
	% Complete		2%	2%	4%	5%	5%	5%	6%	6%		
	Unbilled ODCs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
	Unbilled Subs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
	ACWP		\$7,548	\$18,720	\$24,016	\$43,984	\$64,627	\$86,276	\$91,235	\$106,100		
	BCWP		\$23,202	\$28,358	\$46,405	\$61,873	\$64,451	\$64,451	\$76,697	\$76,697		
	ETC		\$1,265,815	\$1,260,659	\$1,242,612	\$1,227,144	\$1,224,566	\$1,224,566	\$1,212,320	\$1,212,320		
	Percent Spent		1%	1%	2%	3%	5%	7%	7%	8%		

	BCWS	BCWP	ACWP	SV	CV	BAC	ETC	EAC	VAC
Hours	5340	401	1221						
Burdened Labor	\$316,963	\$23,800	\$70,248						
Subcontracts	\$591,346	\$37,387	\$7,897						
ODCs	\$161,012	\$15,509	\$27,956						
Unbilled ODCs			\$0						
Unbilled Subs			\$0						
Total	\$1,069,321	\$76,697	\$106,100	-\$992,624	-\$29,404	\$1,289,017	\$1,212,320	\$1,318,421	-\$29,404

	Month	Cumulative
Budgeted Hours	1,000	5,340
Actual Hours	188	1,221
Budgeted Avg. Rate	\$59.36	\$59.36
Actual Avg. Rate	\$53.20	\$57.56



TASK 2: Report Preparation													
		Starting date:	Apr-01-00										
		Ending Date:	Dec-29-00										
WORK TASK	Breakdown	Total	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Period 8	Period 9	Period 10	Period 11
Approved Monthly	Hours	3,332								600	520	340	340
	Burdened labor	\$233,057								\$41,967	\$36,371	\$23,781	\$23,781
	Subcontracts	\$41,814								\$3,801	\$3,801	\$3,801	\$3,801
	ODC's	\$22,243								\$3,000	\$3,500	\$5,000	\$3,000
	Avg. Labor Rate									69.95	69.95	69.95	69.95
	BAC	\$297,114								\$48,768	\$43,672	\$32,582	\$30,582
Cumulative	Hours									600	1,120	1,460	1,800
	Burdened labor									\$41,967	\$78,338	\$102,120	\$125,901
	Subcontracts									\$3,801	\$7,602	\$11,403	\$15,204
	ODC's									\$3,000	\$6,500	\$11,500	\$14,500
	BCWS									\$48,768	\$92,440	\$125,023	\$155,605
Actual Monthly	Hours		0	0	0	0	44	16	68	110			
	Burdened labor		\$0	\$0	\$0	\$0	\$4,802	\$1,815	\$5,163	\$8,932			
	Subcontracts		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0			
	ODC's		\$0	\$0	\$0	\$0	\$0	\$963	\$10	\$32			
	Unbilled ODCs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0			
	Unbilled Subs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0			
	Avg. Labor Rate						\$109.13	\$113.43	\$75.93	\$81.20			
ACWP		\$0	\$0	\$0	\$0	\$4,802	\$2,778	\$5,173	\$8,964				
Cumulative	Hours		0	0	0	0	44	60	128	238			
	Burdened labor		\$0	\$0	\$0	\$0	\$4,802	\$6,616	\$11,779	\$20,711			
	Subcontracts		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0			
	ODC's		\$0	\$0	\$0	\$0	\$0	\$963	\$973	\$1,005			
	% Complete		0%	0%	0%	4%	11%	12%	13%	13%			
	Unbilled ODCs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0			
	Unbilled Subs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0			
	ACWP		\$0	\$0	\$0	\$0	\$4,802	\$7,580	\$12,753	\$21,716			
	BCWP		\$0	\$0	\$0	\$10,399	\$33,277	\$35,357	\$37,436	\$39,516			
	ETC		\$297,114	\$297,114	\$297,114	\$286,715	\$263,837	\$261,757	\$259,678	\$257,598			
	Percent Spent			0%	0%	0%	0%	2%	3%	4%	7%		

Period 12	Period 13	Period 14	Period 15	Period 16	Period 17	Period 18	Period 19	Period 20	Period 21	Period 22
40	240	240	80	340	320	272				
\$2,798	\$16,787	\$16,787	\$5,596	\$23,781	\$22,382	\$19,025				
\$3,801	\$3,801	\$3,801	\$3,801	\$3,801	\$3,801	\$3,804				
\$0	\$1,500	\$1,500	\$0	\$1,500	\$1,630	\$1,613				
69.95	69.95	69.95	69.95	69.95	69.95	69.95				
\$6,599	\$22,088	\$22,088	\$9,397	\$29,082	\$27,813	\$24,442				
1,840	2,080	2,320	2,400	2,740	3,060	3,332				
\$128,699	\$145,486	\$162,273	\$167,868	\$191,650	\$214,032	\$233,057				
\$19,005	\$22,806	\$26,607	\$30,408	\$34,209	\$38,010	\$41,814				
\$14,500	\$16,000	\$17,500	\$17,500	\$19,000	\$20,630	\$22,243				
\$162,204	\$184,292	\$206,380	\$215,776	\$244,859	\$272,672	\$297,114				

	BCWS	BCWP	ACWP	SV	CV	BAC	ETC	EAC	VAC
Hours	600	443	238						
Burdened Labor	\$41,967	\$30,997	\$20,711						
Subcontracts	\$3,801	\$5,561	\$0						
ODCs	\$3,000	\$2,958	\$1,005						
Unbilled ODCs			\$0						
Unbilled Subs			\$0						
Total	\$48,768	\$39,516	\$21,716	-\$9,252	\$17,800	\$297,114	\$257,598	\$279,314	\$17,800

	Month	Cumulative
Budgeted Hours	600	600
Actual Hours	110	238
Budgeted Avg. Rate	\$69.95	\$69.95
Actual Avg. Rate	\$81.20	\$87.02

TASK 3: Project Management											
		Starting date:		Sep-25-99							
		Ending Date:		May-31-01							
WORK TASK	Breakdown	Total	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Period 8	Period 9
Approved Monthly	Hours	1,280	56	56	56	56	56	56	56	56	56
	Burdened labor	\$112,246	\$4,911	\$4,911	\$4,911	\$4,911	\$4,911	\$4,911	\$4,911	\$4,911	\$4,911
	Subcontracts	\$6,671	\$290	\$290	\$290	\$290	\$290	\$290	\$290	\$290	\$290
	ODC's	\$15,703	\$683	\$683	\$683	\$683	\$683	\$683	\$683	\$683	\$683
	Avg. Labor Rate		87.69	87.69	87.69	87.69	87.69	87.69	87.69	87.69	87.69
	BAC	\$134,620	\$5,884	\$5,884	\$5,884	\$5,884	\$5,884	\$5,884	\$5,884	\$5,884	\$5,884
Cumulative	Hours		56	112	168	224	280	336	392	448	504
	Burdened labor		\$4,911	\$9,822	\$14,732	\$19,643	\$24,554	\$29,465	\$34,375	\$39,286	\$44,197
	Subcontracts		\$290	\$580	\$870	\$1,160	\$1,450	\$1,740	\$2,030	\$2,320	\$2,610
	ODC's		\$683	\$1,366	\$2,049	\$2,732	\$3,415	\$4,098	\$4,781	\$5,464	\$6,147
	BCWS		\$5,884	\$11,768	\$17,651	\$23,535	\$29,419	\$35,303	\$41,186	\$47,070	\$52,954
	Actual Monthly	Hours		106	56	50	27	178	204	52	40
Burdened labor			\$8,873	\$6,064	\$4,015	\$3,002	\$15,620	\$17,207	\$4,787	\$4,398	
Subcontracts			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
ODC's			\$168	\$508	\$180	\$160	\$45	\$465	\$87	\$378	
Unbilled ODCs			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Unbilled Subs			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Avg. Labor Rate			\$83.71	\$107.51	\$80.79	\$110.37	\$87.80	\$84.35	\$91.96	\$111.33	
ACWP			\$9,041	\$6,571	\$4,196	\$3,162	\$15,665	\$17,672	\$4,873	\$4,776	
Cumulative	Hours		106	162	212	239	417	621	673	713	
	Burdened labor		\$8,873	\$14,937	\$18,952	\$21,954	\$37,573	\$54,781	\$59,567	\$63,965	
	Subcontracts		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	ODC's		\$168	\$676	\$856	\$1,016	\$1,061	\$1,526	\$1,613	\$1,991	
	% Complete		3%	7%	10%	11%	13%	20%	22%	23%	
	Unbilled ODCs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	Unbilled Subs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	ACWP		\$9,041	\$15,612	\$19,808	\$22,970	\$38,635	\$56,307	\$61,180	\$65,956	
	BCWP		\$4,442	\$8,885	\$13,327	\$15,104	\$17,770	\$26,655	\$29,320	\$31,097	
	ETC		\$130,178	\$125,735	\$121,293	\$119,516	\$116,850	\$107,965	\$105,300	\$103,523	
	Percent Spent		7%	12%	15%	17%	29%	42%	45%	49%	

Period 10	Period 11	Period 12	Period 13	Period 14	Period 15	Period 16	Period 17	Period 18	Period 19	Period 20
56	56	56	56	56	56	56	56	56	56	56
\$4,911	\$4,911	\$4,911	\$4,911	\$4,911	\$4,911	\$4,911	\$4,911	\$4,911	\$4,911	\$4,911
\$290	\$290	\$290	\$290	\$290	\$290	\$290	\$290	\$290	\$290	\$290
\$683	\$683	\$683	\$683	\$683	\$683	\$683	\$683	\$683	\$683	\$683
87.69	87.69	87.69	87.69	87.69	87.69	87.69	87.69	87.69	87.69	87.69
\$5,884	\$5,884	\$5,884	\$5,884	\$5,884	\$5,884	\$5,884	\$5,884	\$5,884	\$5,884	\$5,884
560	616	672	728	784	840	896	952	1,008	1,064	1,120
\$49,108	\$54,018	\$58,929	\$63,840	\$68,751	\$73,661	\$78,572	\$83,483	\$88,394	\$93,304	\$98,215
\$2,900	\$3,190	\$3,480	\$3,770	\$4,060	\$4,350	\$4,640	\$4,930	\$5,220	\$5,510	\$5,800
\$6,830	\$7,513	\$8,196	\$8,879	\$9,562	\$10,245	\$10,928	\$11,611	\$12,294	\$12,977	\$13,660
\$58,838	\$64,721	\$70,605	\$76,489	\$82,373	\$88,256	\$94,140	\$100,024	\$105,908	\$111,791	\$117,675

Period 21	Period 22	Period 23
56	56	48
\$4,911	\$4,911	\$4,209
\$290	\$290	\$291
\$683	\$683	\$677
87.69	87.69	87.69
\$5,884	\$5,884	\$5,177
1,176	1,232	1,280
\$103,126	\$108,037	\$112,246
\$6,090	\$6,380	\$6,671
\$14,343	\$15,026	\$15,703
\$123,559	\$129,443	\$134,620

	BCWS	BCWP	ACWP	SV	CV	BAC	ETC	EAC	VAC
Hours	448	296	713						
Burdened Labor	\$39,286	\$25,929	\$63,965						
Subcontracts	\$2,320	\$1,541	\$0						
ODCs	\$5,464	\$3,627	\$1,991						
Unbilled ODCs			\$0						
Unbilled Subs			\$0						
Total	\$47,070	\$31,097	\$65,956	-\$15,973	-\$34,859	\$134,620	\$103,523	\$169,479	-\$34,859



	Month	Cumulative
Budgeted Hours	56	448
Actual Hours	40	713
Budgeted Avg. Rate	\$87.69	\$87.69
Actual Avg. Rate	\$111.33	\$89.74

Mar-27-00						
WBS Number	Task Name	Percent Contribution		Percent Complete		Total
		Level 1	Level 2	Level 2	Level 1	
1	Fieldwork	72%				6%
1.1	Site Visit and Records Review		3%	100%		
1.2	Geophysical Test Plot		2%	100%		
1.3	OE Charaterization EOD Range (SEAD-57)		7%	1%		
1.4	OE Charaterization OD Area (SEAD-45)		7%	1%		
1.5	OE Charaterization Demo. Area (SEAD-)		7%	1%		
1.6	OE Charaterization Burial Area (SEAD-)		2%	1%		
1.7	OE Charaterization Grenade Range (SEAD-)		3%	1%		
1.8	OE Charaterization Small Arms/3.5"Rocket Range (SEAD-46)		3%	1%		
1.9	OE Charaterization EOD Area #3(SEAD-)		2%	1%		
1.1	OE Charaterization EOD Area #2 (SEAD-)		2%	1%		
1.11	OE Charaterization Igloo Area (SEAD-53)		62%	1%		
2	Workplan and Report Preparation	20%				13%
2.1	EE/CA Workplan		14%	95%		
2.2	Data Consolodation for Liquid Sotrage Area (SEAD-43)		12%	0%		
2.3	Data Consolodation for QA Test Range (SEAD-44a)		12%	0%		
2.4	Institutional Analysis		12%	0%		
2.5	Risk Evaluation		22%	0%		
2.6	Prepare EE/CA Report		25%	0%		
2.7	Prepare Action Memo		3%	0%		
3	Project Management	8%				23%
3.1	Community Relations Support		34%	0%		
3.2	Meetings and Project Management		66%	35%		
<b>Total Physical Percent Complete =</b>						<b>%42</b>

Task #	Hours	Direct Labor (DL)	Labor Cost (DL*2.4052)	ODCs	Sub Contractor	Unbilled ODCs	Unbilled Subs	% Comp	ACWP
1	188	\$4148	\$9976	\$4889	\$0	\$0	\$0	%6	\$14865
2	110	\$3713	\$8932	\$32	\$0	\$0	\$0	%13	\$8964
3	40	\$1,828	\$4398	\$378	\$0	\$0	\$0	%23	\$4776

**PARSONS ENGINEERING SCIENCE, INC.**

File

30 Dan Road \* Canton, Massachusetts 02021-2809 U.S.A. \* Telephone: (781) 401-3200 \* Fax: (781) 401-2575

OE -  
EE/CA

July 14, 2000

Major David Sheets  
CEHNC-PM-EO  
U.S. Army Corps of Engineers  
Engineering and Support Center, Huntsville  
4820 University Square  
Huntsville, AL 35816-1822

**SUBJECT: Period 9 Monthly Progress Report, for the Period Ending June 30, 2000, for OE-EE/CA Activities, Task Order 52 at the Seneca Army Depot Activity (SEDA) under Contract DACA87-95-D-0018**

Dear Major Sheets:

F

Enclosed with this cover letter is the monthly progress report for the ninth period of the job that period ending on June 30, 2000. Task Order 52 describes the Ordnance and Explosive (OE) Engineering Evaluation/Cost Analysis (EE/CA) at the Seneca Army Depot Activity (SEDA).

**TASK ORDER 52 (OE-EE/CA at the Seneca Army Depot Activity)**

As described previously this task order consists of three (3) Work Breakdown Structures (WBS). Each Scope of Work (SOW) task has been included into one of these three (3) WBS tasks. The first task, WBS 01000, includes all the SOW fieldwork tasks, comprises approximately 72% of the budget of the Task Order. There are now 13 sites to be evaluated, 11 of which will require fieldwork. The 2 non-field sites will be evaluated based upon the data that has been accumulated through previously performed fieldwork. WBS 02000 includes all report writing tasks in the SOW, such as the EE/CA Report task and Task 18, and the Action Memorandum task. WBS 02000 comprises 20% of the Task Order. WBS 03000 includes all project and program management tasks, Task 19, the Community Relations Support task and Task 20 the Project Management and Meetings task. This WBS comprises the remaining 8% of the Task Order.

Work Breakdown Structure 01000, the fieldwork task, was initiated at the beginning of the project. SOW Task 1.1, the Site Visit and Records Review is considered to be 100% complete. Included in Work Task 1 is the performance of the geophysical test plot, SOW Task 1.2. As of the end to Period 9, this task is considered to be 100% complete. The test plot results are included in the OE/EECA work plan. With work plan approval the field activities of UXO surface clearance in support of brush clearing and marking of grids for geophysical investigation began late this period. Pre-mobilization final coordination and checks were completed this period.

From an earned value perspective for WBS 01000, the cumulative Actual Cost of the Work Performed (ACWP) through Period 9 is \$118,234. The Budgeted Cost of the Work Performed (BCWP) is \$80,950. The Budgeted Cost of the Work Scheduled (BCWS) is \$1,225,677. This means that this WBS is over budget and not on schedule. With work plan approval coming late in this period we can now proceed with the major field tasks, and this WBS is expected to recover to the amounts budgeted and scheduled for work. The estimate of the Budget at Completion (EAC) remains as originally budgeted at \$1,289,017. The attached financial sheets provide you with a description of the earned values described herein.

The Work Breakdown Structure (WBS) Task 02000, the report preparation task, is continuing. SOW Task 2.1, the preparation of the EE/CA work plan was complete through submission of the final work plan for approval. Mr. Kevin Healy of the Huntsville COE was of great assistance getting COE approval to Parsons. We are now in the process of outlining the reports we will need to complete once all the field data is in.

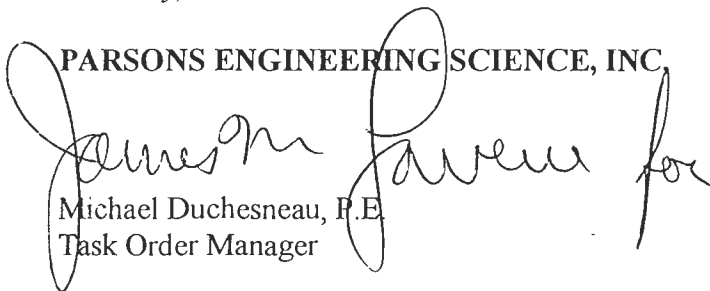
From an earned value perspective for WBS 02000, the cumulative Actual Cost of the Work Performed (ACWP) through Period 9 is \$25,605. The Budgeted Cost of the Work Performed (BCWP) is \$41,596. The Budgeted Cost of the Work Scheduled (BCWS) is \$92,440. This means that this WBS remains substantially under budget and ahead of schedule. The estimate of the Budget at Completion (EAC) remains as originally budgeted at \$297,114. The attached financial sheets provide you with a description of the earned values described herein.

The Work Breakdown Structure (WBS) Task 03000, the project management task, has ACWP through Period 9 of \$70,402. The BCWP is \$32,874. The BCWS is \$52,954. This means that this WBS is over budget and behind schedule. This remains largely due to unanticipated costs associated with attendance at a week-long project partnering meeting in the Atlanta program management office. The estimate of the Budget at Completion (EAC) remains \$134,620. The attached financial sheets provide you with a description of the earned values described herein. This is the 9th monthly progress report.

Overall, this task order is 45% complete. The ACWP for this task order is \$214,241. The BCWP is \$769,176 and the BCWS is \$1,395,132. The task order is under budget and behind schedule. Parsons ES does not currently anticipate a cost overrun for this task order or schedule slippage if the field work does not involve delays due to other contractors working at SEAD 45 or other unforeseen field conditions. We have increased the number of data collection field teams deliberately to reduce the schedule to complete field operations.

If you have any questions regarding this or any other project status, please, do not hesitate to call me at (781) 401-2492.

Sincerely,

**PARSONS ENGINEERING SCIENCE, INC.**  
  
Michael Duchesneau, P.E.  
Task Order Manager

cc: Mr. Kenneth Stockwell, Program Manager, Parsons Engineering Science, Atlanta  
Mr. Stephen Absolom, Seneca Army Depot Activity  
Mr. Randall Battaglia, CENAN, Seneca Army Depot Activity

SUMMARY											
Starting date:											
Ending Date:											
WOIK TASK	Breakdown	Total	Period 9	Period 10	Period 11	Period 12	Period 13	Period 14	Period 15	Period 16	
Approved Monthly	Hours	11,351	1,576	795	396	96	296	296	136	396	
	Burdened labor	\$745,305	\$103,480	\$52,200	\$26,001	\$6,303	\$19,435	\$19,435	\$8,930	\$26,001	
	Subcontracts	\$676,843	\$34,091	\$11,103	\$4,091	\$4,091	\$4,091	\$4,091	\$4,091	\$4,091	
	ODC's	\$298,603	\$71,183	\$38,328	\$3,683	\$683	\$2,183	\$2,183	\$683	\$2,183	
	Avg. Labor Rate	\$65.66	\$65.66	\$65.66	\$65.66	\$65.66	\$65.66	\$65.66	\$65.66	\$65.66	\$65.66
	BAC	\$1,720,751	\$208,754	\$101,631	\$33,775	\$11,077	\$25,709	\$25,709	\$13,704	\$32,275	
Cumulative	Hours		7,964	8,759	9,155	9,251	9,547	9,843	9,979	10,375	
	Burdened labor		\$522,915	\$575,115	\$601,116	\$607,419	\$626,855	\$646,290	\$655,220	\$681,221	
	Subcontracts		\$631,558	\$646,661	\$646,752	\$650,843	\$654,934	\$659,025	\$663,116	\$667,207	
	ODC's		\$240,659	\$278,987	\$282,670	\$283,353	\$285,536	\$287,719	\$288,402	\$290,585	
	BCWS		\$1,395,132	\$1,496,763	\$1,530,538	\$1,541,615	\$1,567,325	\$1,593,034	\$1,606,738	\$1,639,013	
	Actual Monthly	Hours		362							
	Burdened labor		\$21,699								
	Subcontracts		\$0								
	ODC's		\$1,456								
	Unbilled ODCs		\$0								
	Unbilled Subs		\$0								
	Avg. Labor Rate		\$59.94								
	ACWP		\$23,154								
Cumulative	Hours		2,533								
	Burdened labor		\$173,936								
	Subcontracts		\$13,797								
	ODC's		\$26,508								
	% Complete		45%	0%	0%	0%	0%	0%	0%	0%	
	Unbilled ODCs		\$0								
	Unbilled Subs		\$0								
	ACWP		\$214,241								
	BCWP		\$769,176								
	ETC		\$951,575								
	Percent Spent		12%								

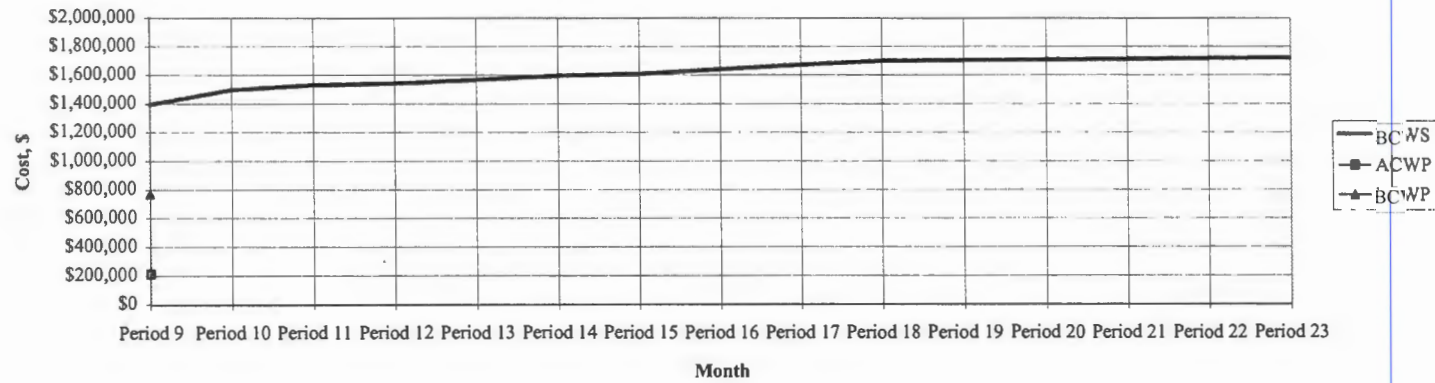
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Period 17	Period 18	Period 19	Period 20	Period 21	Period 22	Period 23
376	328	56	56	56	56	48
\$24,688	\$21,536	\$3,677	\$3,677	\$3,677	\$3,677	\$3,152
\$4,091	\$4,094	\$290	\$290	\$290	\$290	\$291
\$2,313	\$2,296	\$683	\$683	\$683	\$683	\$677
\$65.66	\$65.66	\$65.66	\$65.66	\$65.66	\$65.66	\$65.66
\$31,092	\$27,926	\$4,650	\$4,650	\$4,650	\$4,650	\$4,120
10,751	11,079	11,135	11,191	11,247	11,303	11,351
\$705,909	\$727,446	\$731,122	\$734,799	\$738,476	\$742,153	\$745,305
\$671,298	\$675,392	\$675,682	\$675,972	\$676,262	\$676,552	\$676,843
\$292,898	\$295,194	\$295,877	\$296,560	\$297,243	\$297,926	\$298,603
\$1,670,105	\$1,698,032	\$1,702,681	\$1,707,331	\$1,711,981	\$1,716,631	\$1,720,751
0%	0%	0%	0%	0%	0%	0%

7/17

	VAC
Hours	
Burdened Labor	
Subcontracts	
ODCs	
Unbilled ODCs	
Unbilled Subs	
Total	\$552,249

**COST OF WORK FOR TOTAL JOB**



Budgeted Hours
Actual Hours
Budgeted Avg. Rate
Actual Avg. Rate

TASK 1: Fieldwork				
Starting date:				
Ending Date:				
WORK TASK	Breakdown	Total	Period 9	Period 10
Approved Monthly	Hours	6,739	1,000	399
	Burdened labor	\$400,002	\$59,356	\$23,683
	Subcontracts	\$628,358	\$30,000	\$7,012
	ODC's	\$260,657	\$67,000	\$32,645
	Avg. Labor Rate		59.36	59.36
	BAC	\$1,289,017	\$156,356	\$63,340
Cumulative	Hours		6,340	6,739
	Burdened labor		\$376,319	\$400,002
	Subcontracts		\$621,346	\$628,358
	ODC's		\$228,012	\$260,657
	BCWS		\$1,225,677	\$1,289,017
Actual Monthly	Hours		259	
	Burdened labor		\$12,058	
	Subcontracts		\$0	
	ODC's		\$1,050	
	Unbilled ODCs		\$0	
	Unbilled Subs		\$0	
	Avg. Labor Rate		\$46.56	
	ACWP		\$13,108	
Cumulative	Hours		1,480	
	Burdened labor		\$81,332	
	Subcontracts		\$13,797	
	ODC's		\$23,106	
	% Complete		6%	
	Unbilled ODCs		\$0	
	Unbilled Subs		\$0	
	ACWP		\$118,274	
	BCWP		\$80,950	
	ETC		\$1,208,067	
	Percent Spent		9%	



	VAC
Hours	
Burdened Labor	
Subcontracts	
ODCs	
Unbilled ODCs	
Unbilled Subs	
Total	-\$38,258

Budgeted Hours
Actual Hours
Budgeted Avg. Rate
Actual Avg. Rate

TASK 2	Report Preparation
Starting date:	
Ending Date:	

WORK TASK	Breakdown	Total	Period 9	Period 10	Period 11	Period 12	Period 13	Period 14	Period 15	Period 16	Period 17	Period 18
Approved Monthly	Hours	3,332	520	340	340	40	240	240	80	340	320	272
	Burdened labor	\$233,057	\$36,371	\$23,781	\$23,781	\$2,798	\$16,787	\$16,787	\$5,596	\$23,781	\$22,382	\$19,025
	Subcontracts	\$41,814	\$3,801	\$3,801	\$3,801	\$3,801	\$3,801	\$3,801	\$3,801	\$3,801	\$3,801	\$3,804
	ODC's	\$22,243	\$3,500	\$5,000	\$3,000	\$0	\$1,500	\$1,500	\$0	\$1,500	\$1,630	\$1,613
	Avg. Labor Rate		69.95	69.95	69.95	69.95	69.95	69.95	69.95	69.95	69.95	69.95
	BAC	\$297,114	\$43,672	\$32,582	\$30,582	\$6,599	\$22,088	\$22,088	\$9,397	\$29,082	\$27,813	\$24,442
Cumulative	Hours		1,120	1,460	1,800	1,840	2,080	2,320	2,400	2,740	3,060	3,332
	Burdened labor		\$78,338	\$102,120	\$125,901	\$128,699	\$145,486	\$162,273	\$167,868	\$191,650	\$214,032	\$233,057
	Subcontracts		\$7,602	\$11,403	\$15,204	\$19,005	\$22,806	\$26,607	\$30,408	\$34,209	\$38,010	\$41,814
	ODC's		\$6,500	\$11,500	\$14,500	\$14,500	\$16,000	\$17,500	\$17,500	\$19,000	\$20,630	\$22,243
	BCWS		\$92,440	\$125,023	\$155,605	\$162,204	\$184,292	\$206,380	\$215,776	\$244,859	\$272,672	\$297,114
Actual Monthly	Hours		55									
	Burdened labor		\$4,173									
	Subcontracts		\$0									
	ODC's		\$392									
	Unbilled ODCs		\$0									
	Unbilled Subs		\$0									
	Avg. Labor Rate		\$75.87									
Cumulative	ACWP		\$4,565									
	Hours		293									
	Burdened labor		\$24,207									
	Subcontracts		\$0									
	ODC's		\$1,397									
	% Complete		14%									
	Unbilled ODCs		\$0									
	Unbilled Subs		\$0									
	ACWP		\$25,605									
	BCWP		\$41,596									
ETC		\$255,518										
Percent Spent		9%										

YBY

	VAC
Hours	
Burdened Labor	
Subcontracts	
ODCs	
Unbilled ODCs	
Unbilled Subs	
Total	\$15,315

Budgeted Hours
Actual Hours
Budgeted Avg. Rate
Actual Avg. Rate

TASK 3:	Project Management
	Starting date:
	Ending Date:

WORK TASK	Breakdown	Total	Period 9	Period 10	Period 11	Period 12	Period 13	Period 14	Period 15
Approved Monthly	Hours	1,280	56	56	56	56	56	56	56
	Burdened labor	\$112,246	\$4,911	\$4,911	\$4,911	\$4,911	\$4,911	\$4,911	\$4,911
	Subcontracts	\$6,671	\$290	\$290	\$290	\$290	\$290	\$290	\$290
	ODC's	\$15,703	\$683	\$683	\$683	\$683	\$683	\$683	\$683
	Avg. Labor Rate		87.69	87.69	87.69	87.69	87.69	87.69	87.69
	BAC	\$134,620	\$5,884	\$5,884	\$5,884	\$5,884	\$5,884	\$5,884	\$5,884
Cumulative	Hours		504	560	616	672	728	784	840
	Burdened labor		\$44,197	\$49,108	\$54,018	\$58,929	\$63,840	\$68,751	\$73,661
	Subcontracts		\$2,610	\$2,900	\$3,190	\$3,480	\$3,770	\$4,060	\$4,350
	ODC's		\$6,147	\$6,830	\$7,513	\$8,196	\$8,879	\$9,562	\$10,245
	BCWS		\$52,954	\$58,838	\$64,721	\$70,605	\$76,489	\$82,373	\$88,256
Actual Monthly	Hours		48						
	Burdened labor		\$5,468						
	Subcontracts		\$0						
	ODC's		\$14						
	Unbilled ODCs		\$0						
	Unbilled Subs		\$0						
	Avg. Labor Rate		\$113.91						
ACWP		\$5,481							
Cumulative	Hours		761						
	Burdened labor		\$68,398						
	Subcontracts		\$0						
	ODC's		\$2,005						
	% Complete		24%						
	Unbilled ODCs		\$0						
	Unbilled Subs		\$0						
	ACWP		\$70,402						
	BCWP		\$32,874						
ETC		\$101,746							
Percent Spent		52%							

Period 16	Period 17	Period 18	Period 19	Period 20	Period 21	Period 22	Period 23
56	56	56	56	56	56	56	48
\$4,911	\$4,911	\$4,911	\$4,911	\$4,911	\$4,911	\$4,911	\$4,209
\$290	\$290	\$290	\$290	\$290	\$290	\$290	\$291
\$683	\$683	\$683	\$683	\$683	\$683	\$683	\$677
87.69	87.69	87.69	87.69	87.69	87.69	87.69	87.69
\$5,884	\$5,884	\$5,884	\$5,884	\$5,884	\$5,884	\$5,884	\$5,177
896	952	1,002	1,064	1,120	1,176	1,232	1,280
\$78,572	\$83,483	\$88,394	\$93,304	\$98,215	\$103,126	\$108,037	\$112,246
\$4,640	\$4,930	\$5,220	\$5,510	\$5,800	\$6,090	\$6,380	\$6,671
\$10,928	\$11,611	\$12,294	\$12,977	\$13,660	\$14,343	\$15,026	\$15,703
\$94,140	\$100,024	\$105,908	\$111,791	\$117,675	\$123,559	\$129,443	\$134,620

	VAC
Hours	
Burdened Labor	
Subcontracts	
ODCs	
Unbilled ODCs	
Unbilled Subs	
Total	-\$38,563

Budgeted Hours
Actual Hours
Budgeted Avg. Rate
Actual Avg. Rate

YRJ

Apr-27-00						
WBS Number	Task Name	Percent Contribution		Percent Complete		Total
		Level 1	Level 2	Level 2	Level 1	
1	Fieldwork	72%				6%
1.1	Site Visit and Records Review		3%	100%		
1.2	Geophysical Test Plot		2%	100%		
1.3	OE Charaterization EOD Range (SEAD-57)		7%	2%		
1.4	OE Charaterization OD Area (SEAD-45)		7%	2%		
1.5	OE Charaterization Demo. Area (SEAD-)		7%	2%		
1.6	OE Charaterization Burial Area (SEAD-)		2%	2%		
1.7	OE Charaterization Grenade Range (SEAD-)		3%	2%		
1.8	OE Charaterization Small Arms/3.5"Rocket Range (SEAD-46)		3%	2%		
1.9	OE Charaterization EOD Area #3(SEAD-)		2%	2%		
1.1	OE Charaterization EOD Area #2 (SEAD-)		2%	2%		
1.11	OE Charaterization Igloo Area (SEAD-53)		62%	1%		
2	Workplan and Report Preparation	20%				14%
2.1	EE/CA Workplan		14%	100%		
2.2	Data Consolodation for Liquid Sotrage Area (SEAD-43)		12%	0%		
2.3	Data Consolodation for QA Test Range (SEAD-44a)		12%	0%		
2.4	Institutional Analysis		12%	0%		
2.5	Risk Evaluation		22%	0%		
2.6	Prepare EE/CA Report		25%	0%		
2.7	Prepare Action Memo		3%	0%		
3	Project Management	8%				24%
3.1	Community Relations Support		34%	0%		
3.2	Meetings and Project Management		66%	37%		
Total Physical Percent Complete =						%45

Task #	Hours	Direct Labor (DL)	Labor Cost (DL*2.4052)	ODCs	Sub Contractor	Unbilled ODCs	Unbilled Subs	% Comp	ACWP
1	259	\$5200	12,058.37	\$1050	\$0	\$0	\$0	%6	\$13108
2	55	\$1799	4,172.61	\$392	\$0	\$0	\$0	%14	\$4565
3	48	\$2,358	5,467.60	\$14	\$0	\$0	\$0	%24	\$5481

YBY

August 14, 2000

Major David Sheets  
CEHNC-PM-EO  
U.S. Army Corps of Engineers  
Engineering and Support Center, Huntsville  
4820 University Square  
Huntsville, AL 35816-1822

**SUBJECT: Period 10 Monthly Progress Report, for the Period Ending July 31, 2000, for OE-EE/CA Activities, Task Order 52 at the Seneca Army Depot Activity (SEDA) under Contract DACA87-95-D-0018**

Dear Major Sheets:

Enclosed with this cover letter is the monthly progress report for the tenth period of the job that period ending on July 31, 2000. Task Order 52 describes the Ordnance and Explosive (OE) Engineering Evaluation/Cost Analysis (EE/CA) at the Seneca Army Depot Activity (SEDA).

**TASK ORDER 52 (OE-EE/CA at the Seneca Army Depot Activity)**

As described previously this task order consists of three (3) Work Breakdown Structures (WBS). Each Scope of Work (SOW) task has been included into one of these three (3) WBS tasks. The first task, WBS 01000, includes all the SOW fieldwork tasks, comprises approximately 72% of the budget of the Task Order. There are now 13 sites to be evaluated, 11 of which will require fieldwork. The 2 non-field sites will be evaluated based upon the data that has been accumulated through previously performed fieldwork. WBS 02000 includes all report writing tasks in the SOW, such as the EE/CA Report task and Task 18, and the Action Memorandum task. WBS 02000 comprises 20% of the Task Order. WBS 03000 includes all project and program management tasks, Task 19, the Community Relations Support task and Task 20 the Project Management and Meetings task. This WBS comprises the remaining 8% of the Task Order.

Work Breakdown Structure 01000, the fieldwork task, was initiated at the beginning of the project. SOW Task 1.1, the Site Visit and Records Review and geophysical test plot are considered to be 100% complete. With work plan approval the field activities of UXO surface clearance in support of brush clearing, marking of grids for geophysical investigation, collection of geophysical data, and processing of that data were initiated for all site but SEAD 45. The surface clearance is ahead of schedule, brush clearance and data collection are taking longer than estimated but are not yet impacting the work tasks that follow them at any site.

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From an earned value perspective for WBS 01000, the cumulative Actual Cost of the Work Performed (ACWP) through Period 10 is \$177,345. The Budgeted Cost of the Work Performed (BCWP) is \$181,494. The Budgeted Cost of the Work Scheduled (BCWS) is \$1,289,017. This WBS is now under budget and not on schedule. With work plan approval we proceeded with the major field tasks and this WBS has recovered from a budget perspective. The field work may in fact take longer than planned. The estimate of the Budget at Completion (EAC) remains as originally budgeted at \$1,289,017. The attached financial sheets provide you with a description of the earned values described herein.

The Work Breakdown Structure (WBS) Task 02000, the report preparation task, is continuing. SOW Task 2.1, the preparation of the EE/CA workplan was complete through submission of the final work plan for approval. Mr. Kevin Healy of the Huntsville COE was of great assistance getting COE approval to Parsons. We are now in the process of outlining the reports we will need to complete once all the field data is in.

From an earned value perspective for WBS 02000, the cumulative Actual Cost of the Work Performed (ACWP) through Period 10 is \$25,634. The Budgeted Cost of the Work Performed (BCWP) is \$41,596. The Budgeted Cost of the Work Scheduled (BCWS) is \$125,023. This means that this WBS remains substantially under budget but off schedule. The estimate of the Budget at Completion (EAC) remains as originally budgeted at \$297,114. The attached financial sheets provide you with a description of the earned values described herein.

The Work Breakdown Structure (WBS) Task 03000, the project management task, has ACWP through Period 10 of \$75,844. The BCWP is \$32,874. The BCWS is \$58,838. This means that this WBS is over budget and behind schedule. This remains largely due to unanticipated costs associated with attendance at a week-long project partnering meeting in the Atlanta program management office. The estimate of the Budget at Completion (EAC) remains \$134,620. The attached financial sheets provide you with a description of the earned values described herein. This is the 10th monthly progress report.

Overall, we estimate this task order is 53% complete. The ACWP for this task order is \$278,824. The BCWP is \$903,394 and the BCWS is \$1,496,763. The task order is under budget and behind schedule. Parsons ES does not currently anticipate a cost overrun for this task order or schedule slippage if the field work does not involve delays due to other contractors working at SEAD 45 or other unforeseen field conditions. We have increased the number of data collection field teams deliberately to reduce the schedule to complete field operations. We are concerned the number of anomalies detected is significantly larger than anticipated and this may add cost and schedule to the reacquisition and digging field tasks.

If you have any questions regarding this or any other project status, please, do not hesitate to call me at (781) 401-2492.

Sincerely,

**PARSONS ENGINEERING SCIENCE, INC.**

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*James M. Lawrence for*  
Michael Duchesneau, P.E.  
Task Order Manager

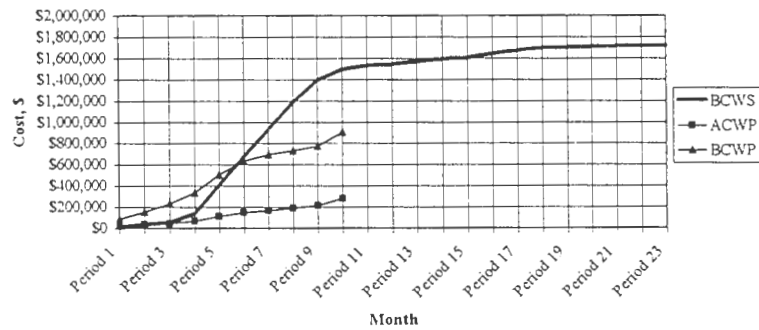
cc: Mr. Kenneth Stockwell, Program Manager, Parsons Engineering Science, Atlanta  
Mr. Stephen Absolom, Seneca Army Depot Activity  
Mr. Randall Battaglia, CENAN, Seneca Army Depot Activity

SUMMARY											
		Starting date: Sep-25-99									
		Ending Date: May-31-01									
WORK TASK	Breakdown	Total	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Period 8	Period 9
Approved Monthly	Hours	11,351	136	216	156	1,056	1,056	1,056	1,056	1,656	1,576
	Burdened labor	\$745,305	\$8,930	\$14,183	\$10,243	\$69,337	\$69,337	\$69,337	\$69,337	\$108,733	\$103,480
	Subcontracts	\$676,843	\$290	\$10,470	\$3,256	\$8,490	\$160,290	\$160,290	\$150,290	\$104,091	\$34,091
	ODC's	\$298,603	\$683	\$3,689	\$5,689	\$5,683	\$37,683	\$37,683	\$37,683	\$40,683	\$71,183
	Avg. Labor Rate		\$65.66	\$65.66	\$65.66	\$65.66	\$65.66	\$65.66	\$65.66	\$65.66	\$65.66
	BAC	\$1,720,751	\$9,903	\$28,342	\$19,188	\$83,510	\$267,310	\$267,310	\$267,310	\$257,310	\$253,507
Cumulative	Hours		136	352	508	1,564	2,620	3,676	4,732	6,388	7,964
	Burdened labor		\$8,930	\$23,112	\$33,355	\$102,692	\$172,029	\$241,366	\$310,702	\$419,435	\$522,915
	Subcontracts		\$290	\$10,760	\$14,016	\$22,506	\$182,796	\$343,086	\$493,376	\$597,467	\$631,558
	ODC's		\$683	\$4,372	\$10,061	\$15,744	\$53,427	\$91,110	\$128,793	\$169,476	\$240,659
	BCWS		\$9,903	\$38,244	\$57,432	\$140,942	\$408,252	\$675,562	\$932,871	\$1,186,378	\$1,395,132
	Actual Monthly	Hours		193	169	146	313	407	427	179	337
Burdened labor			\$15,942	\$14,442	\$8,666	\$18,983	\$30,062	\$29,366	\$12,307	\$22,471	\$21,699
Subcontracts			\$0	\$0	\$0	\$0	\$5,900	\$5,956	\$1,941	\$0	\$0
ODC's			\$647	\$3,301	\$465	\$4,230	\$4,032	\$6,777	\$301	\$5,299	\$1,456
Unbilled ODCs			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Unbilled Subs			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Avg. Labor Rate			\$82.60	\$85.26	\$59.48	\$60.71	\$73.79	\$68.77	\$68.74	\$66.68	\$59.94
ACWP			\$16,589	\$17,744	\$9,130	\$23,212	\$39,994	\$42,099	\$14,549	\$27,770	\$23,154
Cumulative	Hours		193	362	508	821	1,228	1,655	1,834	2,171	2,533
	Burdened labor		\$15,942	\$30,384	\$39,050	\$58,033	\$88,094	\$117,460	\$129,767	\$152,238	\$173,936
	Subcontracts		\$0	\$0	\$0	\$0	\$5,900	\$11,856	\$13,797	\$13,797	\$13,797
	ODC's		\$647	\$3,948	\$4,413	\$8,642	\$12,674	\$19,452	\$19,753	\$25,052	\$26,508
	% Complete		5%	9%	14%	20%	29%	37%	40%	42%	45%
	Unbilled ODCs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Unbilled Subs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	ACWP		\$16,589	\$34,333	\$43,463	\$66,675	\$106,669	\$148,767	\$163,317	\$191,087	\$214,241
	BCWP		\$87,758	\$151,426	\$232,301	\$335,891	\$505,901	\$631,516	\$693,979	\$728,738	\$769,176
	ETC		\$1,632,993	\$1,569,325	\$1,488,450	\$1,384,860	\$1,214,850	\$1,089,235	\$1,026,772	\$992,013	\$951,575
	Percent Spent		1%	2%	3%	4%	6%	9%	9%	11%	12%

Period 10	Period 11	Period 12	Period 13	Period 14	Period 15	Period 16	Period 17	Period 18	Period 19	Period 20	Period 21	Period 22	Period 23
795	396	96	296	296	136	396	376	328	56	56	56	56	48
\$52,200	\$26,001	\$6,303	\$19,435	\$19,435	\$8,930	\$26,001	\$24,688	\$21,536	\$3,677	\$3,677	\$3,677	\$3,677	\$3,152
\$11,103	\$4,091	\$4,091	\$4,091	\$4,091	\$4,091	\$4,091	\$4,091	\$4,094	\$290	\$290	\$290	\$290	\$291
\$38,328	\$3,683	\$683	\$2,183	\$2,183	\$683	\$2,183	\$2,313	\$2,296	\$683	\$683	\$683	\$683	\$677
\$65.66	\$65.66	\$65.66	\$65.66	\$65.66	\$65.66	\$65.66	\$65.66	\$65.66	\$65.66	\$65.66	\$65.66	\$65.66	\$65.66
\$101,631	\$33,775	\$11,077	\$25,709	\$25,709	\$13,704	\$32,275	\$31,092	\$27,926	\$4,650	\$4,650	\$4,650	\$4,650	\$4,120
8,759	9,155	9,251	9,547	9,843	9,979	10,375	10,751	11,079	11,135	11,191	11,447	11,303	11,351
\$575,115	\$671,116	\$607,419	\$626,855	\$646,290	\$655,220	\$681,221	\$705,909	\$727,446	\$731,122	\$734,799	\$738,476	\$742,153	\$745,305
\$642,661	\$646,752	\$650,843	\$654,934	\$659,025	\$663,116	\$667,207	\$671,298	\$675,392	\$675,682	\$675,972	\$676,262	\$676,552	\$676,843
\$278,987	\$282,670	\$283,353	\$285,536	\$287,719	\$288,402	\$290,585	\$292,898	\$295,194	\$295,877	\$296,560	\$297,243	\$297,926	\$298,603
\$1,496,763	\$1,530,538	\$1,541,615	\$1,567,325	\$1,593,034	\$1,606,738	\$1,639,013	\$1,670,105	\$1,698,032	\$1,702,681	\$1,707,331	\$1,711,981	\$1,716,631	\$1,720,751
1,157													
\$59,019													
\$0													
\$5,563													
\$0													
\$0													
\$51,02													
\$64,583													
3,690													
\$232,956													
\$13,797													
\$32,071													
53%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
\$0													
\$0													
\$278,824													
\$903,394													
\$817,357													
16%													

	BCWS	BCWP	ACWP	SV	CV	BAC	ETC	EAC	VAC
Hours	8759	5959	3690						
Burdened Labor	\$575,115	\$391,285	\$232,956						
Subcontracts	\$642,661	\$355,343	\$13,797						
ODCs	\$278,987	\$156,767	\$32,071						
Unbilled ODCs			\$0						
Unbilled Subs			\$0						
<b>Total</b>	<b>\$1,496,763</b>	<b>\$903,394</b>	<b>\$278,824</b>	<b>-\$593,368</b>	<b>\$624,571</b>	<b>\$1,720,751</b>	<b>\$817,357</b>	<b>\$1,096,180</b>	<b>\$624,571</b>

**COST OF WORK FOR TOTAL JOB**



	Month	Cumulative
Budgeted Hours	795	8,759
Actual Hours	1,157	3,690
Budgeted Avg. Rate	\$65.66	\$65.66
Actual Avg. Rate	\$51.02	\$63.13

TASK 1: Fieldwork													
Starting date:		Sep-27-99											
Ending Date:		May-26-00											
WORK TASK	Breakdown	Total	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Period 8	Period 9	Period 10	
Approved Monthly	Hours	6,739	80	160	100	1,000	1,000	1,000	1,000	1,000	1,000	399	
	Burdened labor	\$400,002	\$4,749	\$9,497	\$5,936	\$59,356	\$59,356	\$59,356	\$59,356	\$59,356	\$59,356	\$23,683	
	Subcontracts	\$628,358	\$0	\$10,180	\$2,966	\$8,200	\$160,000	\$160,000	\$150,000	\$100,000	\$30,000	\$7,012	
	ODC's	\$260,657	\$0	\$3,006	\$5,006	\$5,000	\$37,000	\$37,000	\$37,000	\$37,000	\$67,000	\$32,645	
	Avg. Labor Rate		\$9.36	\$9.36	\$9.36	\$9.36	\$9.36	\$9.36	\$9.36	\$9.36	\$9.36	\$9.36	
	BAC	\$1,289,017	\$4,749	\$22,683	\$13,908	\$72,556	\$256,356	\$256,356	\$246,356	\$196,356	\$156,356	\$63,340	
Cumulative	Hours		80	240	340	1,340	2,340	3,340	4,340	5,340	6,340	6,739	
	Burdened labor		\$4,749	\$14,246	\$20,181	\$79,537	\$138,894	\$198,250	\$257,606	\$316,963	\$376,319	\$400,002	
	Subcontracts		\$0	\$10,180	\$13,146	\$21,346	\$181,346	\$341,346	\$491,346	\$591,346	\$621,346	\$628,358	
	ODC's		\$0	\$3,006	\$8,012	\$13,012	\$50,012	\$87,012	\$124,012	\$161,012	\$228,012	\$260,657	
	BCWS		\$4,749	\$27,432	\$41,339	\$113,895	\$370,252	\$626,608	\$872,964	\$1,069,321	\$1,225,677	\$1,289,017	
	Actual Monthly	Hours		87	113	96	286	186	207	59	188	259	1,103
Burdened labor			\$7,069	\$8,379	\$4,811	\$15,967	\$10,372	\$10,343	\$2,714	\$9,519	\$12,058	\$53,707	
Subcontracts			\$0	\$0	\$0	\$0	\$5,900	\$5,956	\$1,941	\$0	\$0	\$0	
ODC's			\$479	\$2,794	\$284	\$4,069	\$3,987	\$5,349	\$204	\$4,889	\$1,050	\$5,404	
Unbilled ODCs			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Unbilled Subs			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Avg. Labor Rate			\$81.25	\$74.15	\$50.12	\$55.93	\$55.91	\$49.97	\$45.99	\$51.30	\$46.56	\$48.71	
ACWP			\$7,548	\$11,173	\$5,095	\$20,037	\$20,258	\$21,648	\$4,859	\$14,508	\$13,108	\$59,111	
Cumulative		Hours		87	200	296	582	767	974	1,033	1,221	1,480	2,582
		Burdened labor		\$7,069	\$15,448	\$20,259	\$36,226	\$46,598	\$56,941	\$59,655	\$69,273	\$81,332	\$135,038
	Subcontracts		\$0	\$0	\$0	\$0	\$5,900	\$11,856	\$13,797	\$13,797	\$13,797	\$13,797	
	ODC's		\$479	\$3,273	\$3,557	\$7,626	\$11,613	\$16,962	\$17,166	\$22,056	\$23,106	\$28,510	
	% Complete		2%	2%	4%	5%	5%	5%	6%	6%	6%	14%	
	Unbilled ODCs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	Unbilled Subs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	ACWP		\$7,548	\$18,720	\$23,816	\$43,852	\$64,111	\$85,759	\$90,618	\$105,126	\$118,234	\$177,345	
	BCWP		\$23,202	\$28,358	\$46,405	\$61,873	\$64,451	\$64,451	\$76,697	\$76,697	\$80,950	\$181,494	
	ETC		\$1,265,815	\$1,260,659	\$1,242,612	\$1,227,144	\$1,224,566	\$1,224,566	\$1,212,320	\$1,212,320	\$1,208,067	\$1,107,523	
Percent Spent		1%	1%	2%	3%	5%	7%	7%	8%	9%	14%		

	BCWS	BCWP	ACWP	SV	CV	BAC	ETC	EAC	VAC
Hours	6739	949	2582						
Burdened Labor	\$400,002	\$56,320	\$135,038						
Subcontracts	\$628,358	\$88,473	\$13,797						
ODCs	\$260,657	\$36,701	\$28,510						
Unbilled ODCs			\$0						
Unbilled Subs			\$0						
Total	\$1,289,017	\$181,494	\$177,345	-\$1,107,523	\$4,148	\$1,289,017	\$1,107,523	\$1,284,869	\$4,148

	Month	Cumulative
Budgeted Hours	399	6,739
Actual Hours	1,103	2,582
Budgeted Avg. Rate	\$59.36	\$59.36
Actual Avg. Rate	\$48.71	\$52.30



TASK 2: Report Preparation												
		Starting date:	Apr-01-00									
		Ending Date:	Dec-29-00									
WORK TASK	Breakdown	Total	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Period 8	Period 9	Period 10
Approved Monthly	Hours	3,332								600	520	340
	Burdened labor	\$233,057								\$41,967	\$36,371	\$23,781
	Subcontracts	\$41,814								\$3,801	\$3,801	\$3,801
	ODC's	\$22,243								\$3,000	\$3,500	\$5,000
	Avg. Labor Rate									69.95	69.95	69.95
	BAC	\$297,114								\$48,768	\$43,672	\$32,582
Cumulative	Hours									600	1,120	1,460
	Burdened labor									\$41,967	\$78,338	\$102,120
	Subcontracts									\$3,801	\$7,602	\$11,403
	ODC's									\$3,000	\$6,500	\$11,500
	BCWS									\$48,768	\$92,440	\$125,023
Actual Monthly	Hours		0	0	0	0	44	16	68	110	55	0
	Burdened labor		\$0	\$0	\$0	\$0	\$4,630	\$1,815	\$4,978	\$8,612	\$4,173	\$0
	Subcontracts		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	ODC's		\$0	\$0	\$0	\$0	\$0	\$963	\$10	\$32	\$392	\$29
	Unbilled ODCs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Unbilled Subs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Avg. Labor Rate						\$105.22	\$113.43	\$73.21	\$78.29	\$75.87	
	ACWP		\$0	\$0	\$0	\$0	\$4,630	\$2,778	\$4,988	\$8,644	\$4,565	\$29
Cumulative	Hours		0	0	0	0	44	60	128	238	293	293
	Burdened labor		\$0	\$0	\$0	\$0	\$4,630	\$6,445	\$11,423	\$20,035	\$24,207	\$24,207
	Subcontracts		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	ODC's		\$0	\$0	\$0	\$0	\$0	\$963	\$973	\$1,005	\$1,397	\$1,427
	% Complete		0%	0%	0%	4%	11%	12%	13%	13%	14%	14%
	Unbilled ODCs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Unbilled Subs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	ACWP		\$0	\$0	\$0	\$0	\$4,630	\$7,408	\$12,396	\$21,040	\$25,605	\$25,634
	BCWP		\$0	\$0	\$0	\$10,399	\$33,277	\$35,357	\$37,436	\$39,516	\$41,596	\$41,596
	ETC		\$297,114	\$297,114	\$297,114	\$286,715	\$263,837	\$261,757	\$259,678	\$257,598	\$255,518	\$255,518
Percent Spent		0%	0%	0%	0%	2%	2%	4%	7%	9%	9%	

Period 11	Period 12	Period 13	Period 14	Period 15	Period 16	Period 17	Period 18
340	40	240	240	80	340	320	272
\$23,781	\$2,798	\$16,787	\$16,787	\$5,596	\$23,781	\$22,382	\$19,025
\$3,801	\$3,801	\$3,801	\$3,801	\$3,801	\$3,801	\$3,801	\$3,804
\$3,000	\$0	\$1,500	\$1,500	\$0	\$1,500	\$1,630	\$1,613
69.95	69.95	69.95	69.95	69.95	69.95	69.95	69.95
\$30,582	\$6,599	\$22,088	\$22,088	\$9,397	\$29,082	\$27,813	\$24,442
1,800	1,840	2,080	2,320	2,400	2,740	3,060	3,332
\$125,901	\$128,699	\$145,486	\$162,273	\$167,868	\$191,650	\$214,032	\$233,057
\$15,204	\$19,005	\$22,806	\$26,607	\$30,408	\$34,209	\$38,010	\$41,814
\$14,500	\$14,500	\$16,000	\$17,500	\$17,500	\$19,000	\$20,630	\$22,243
\$155,605	\$162,204	\$184,292	\$206,380	\$215,776	\$244,859	\$272,672	\$297,114

Project Name: Seneca Army Depot Activity; OE-EE/CA

Project Number: 736703

TASK2

	BCWS	BCWP	ACWP	SV	CV	BAC	ETC	EAC	VAC
Hours	1460	466	293						
Burdened Labor	\$102,120	\$32,628	\$24,207						
Subcontracts	\$11,403	\$5,854	\$0						
ODCs	\$11,500	\$3,114	\$1,427						
Unbilled ODCs			\$0						
Unbilled Subs			\$0						
Total	\$125,023	\$41,596	\$25,634	-\$83,427	\$15,962	\$297,114	\$255,518	\$281,152	\$15,962

	Month	Cumulative
Budgeted Hours	340	1,460
Actual Hours	0	293
Budgeted Avg. Rate	\$69.95	\$69.95
Actual Avg. Rate	\$0.00	\$82.62

TASK 3: Project Management												
		Starting date:	Sep-25-99									
		Ending Date:	May-31-01									
WORK TASK	Breakdown	Total	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Period 8	Period 9	Period 10
Approved Monthly	Hours	1,280	56	56	56	56	56	56	56	55	56	56
	Burdened labor	\$112,246	\$4,911	\$4,911	\$4,911	\$4,911	\$4,911	\$4,911	\$4,911	\$4,911	\$4,911	\$4,911
	Subcontracts	\$6,671	\$290	\$290	\$290	\$290	\$290	\$290	\$290	\$290	\$290	\$290
	ODC's	\$15,703	\$683	\$683	\$683	\$683	\$683	\$683	\$683	\$683	\$683	\$683
	Avg. Labor Rate		87.69	87.69	87.69	87.69	87.69	87.69	87.69	87.69	87.69	87.69
	BAC	\$134,620	\$5,884	\$5,884	\$5,884	\$5,884	\$5,884	\$5,884	\$5,884	\$5,884	\$5,884	\$5,884
Cumulative	Hours		56	112	168	224	280	336	392	448	504	560
	Burdened labor		\$4,911	\$9,822	\$14,732	\$19,643	\$24,554	\$29,465	\$34,375	\$39,286	\$44,197	\$49,108
	Subcontracts		\$290	\$580	\$870	\$1,160	\$1,450	\$1,740	\$2,030	\$2,320	\$2,610	\$2,900
	ODC's		\$683	\$1,366	\$2,049	\$2,732	\$3,415	\$4,098	\$4,781	\$5,464	\$6,147	\$6,830
	BCWS		\$5,884	\$11,768	\$17,651	\$23,535	\$29,419	\$35,303	\$41,186	\$47,070	\$52,954	\$58,838
	Hours		106	56	50	27	178	204	52	40	48	54
Actual Monthly	Burdened labor		\$8,873	\$6,064	\$3,855	\$3,015	\$15,061	\$17,207	\$4,615	\$4,240	\$5,468	\$5,313
	Subcontracts		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	ODC's		\$168	\$508	\$180	\$160	\$45	\$465	\$87	\$378	\$14	\$129
	Unbilled ODCs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Unbilled Subs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Avg. Labor Rate		\$83.71	\$107.51	\$77.56	\$110.85	\$84.66	\$84.35	\$88.67	\$107.35	\$113.91	\$97.93
	ACWP		\$9,041	\$6,571	\$4,035	\$3,175	\$15,106	\$17,672	\$4,702	\$4,618	\$5,481	\$5,442
Cumulative	Hours		106	162	212	239	417	621	673	713	761	815
	Burdened labor		\$8,873	\$14,937	\$18,791	\$21,806	\$36,867	\$54,074	\$58,690	\$62,930	\$68,398	\$73,710
	Subcontracts		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	ODC's		\$168	\$676	\$856	\$1,016	\$1,061	\$1,526	\$1,613	\$1,991	\$2,005	\$2,134
	% Complete		3%	7%	10%	11%	13%	20%	22%	23%	24%	24%
	Unbilled ODCs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Unbilled Subs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	ACWP		\$9,041	\$15,612	\$19,647	\$22,823	\$37,928	\$55,600	\$60,303	\$64,921	\$70,402	\$75,844
	BCWP		\$4,442	\$8,885	\$13,327	\$15,104	\$17,770	\$26,655	\$29,320	\$31,097	\$32,874	\$32,874
	ETC		\$130,178	\$125,735	\$121,293	\$119,516	\$116,850	\$107,965	\$105,300	\$103,523	\$101,746	\$101,746
	Percent Spent		7%	12%	15%	17%	28%	41%	45%	48%	52%	56%

	BCWS	BCWP	ACWP	SV	CV	BAC	ETC	EAC	VAC
Hours	560	313	815						
Burdened Labor	\$49,108	\$27,410	\$73,710						
Subcontracts	\$2,900	\$1,629	\$0						
ODCs	\$6,830	\$3,835	\$2,134						
Unbilled ODCs			\$0						
Unbilled Subs			\$0						
Total	\$58,838	\$32,874	\$75,844	-\$25,963	-\$42,970	\$134,620	\$101,746	\$177,590	-\$42,970

	Month	Cumulative
Budgeted Hours	56	560
Actual Hours	54	815
Budgeted Avg. Rate	\$87.69	\$87.69
Actual Avg. Rate	\$97.93	\$90.44

May-27-00						
WBS Number	Task Name	Percent Contribution		Percent Complete		Total
		Level 1	Level 2	Level 2	Level 1	
1	Fieldwork	72%				14%
1.1	Site Visit and Records Review		3%	100%		
1.2	Geophysical Test Plot		2%	100%		
1.3	OE Charaterization EOD Range (SEAD-57)		7%	25%		
1.4	OE Charaterization OD Area (SEAD-45)		7%	2%		
1.5	OE Charaterization Demo. Area (SEAD-)		7%	15%		
1.6	OE Charaterization Burial Area (SEAD-)		2%	50%		
1.7	OE Charaterization Grenade Range (SEAD-)		3%	15%		
1.8	OE Charaterization Small Arms/3.5"Rocket Range (SEAD-46)		3%	25%		
1.9	OE Charaterization EOD Area #3(SEAD-)		2%	40%		
1.1	OE Charaterization EOD Area #2 (SEAD-)		2%	2%		
1.11	OE Charaterization Igloo Area (SEAD-53)		62%	5%		
2	Workplan and Report Preparation	20%				14%
2.1	EE/CA Workplan		14%	100%		
2.2	Data Consolodation for Liquid Sotrage Area (SEAD-43)		12%	0%		
2.3	Data Consolodation for QA Test Range (SEAD-44a)		12%	0%		
2.4	Institutional Analysis		12%	0%		
2.5	Risk Evaluation		22%	0%		
2.6	Prepare EE/CA Report		25%	0%		
2.7	Prepare Action Memo		3%	0%		
3	Project Management	8%				24%
3.1	Community Relations Support		34%	0%		
3.2	Meetings and Project Management		66%	37%		
<b>Total Physical Percent Complete =</b>						<b>%53</b>

Task #	Hours	Direct Labor (DL)	Labor Cost (DL*2.3191)	ODCs	Sub Contractor	Unbilled ODCs	Unbilled Subs	% Comp	ACWP
1	1103	\$23158	53,706.78	\$5404	\$0	\$0	\$0	%14	\$59111
2	0	\$0	0.00	\$29	\$0	\$0	\$0	%14	\$29
3	54	\$2,291	5,312.59	\$129	\$0	\$0	\$0	%24	\$5442



- 1.11 OE Char Igloo area (SEAD-53)
  
- 2.1 EE/CA Work Plan
  
- 2.2 Data consol for liq prop stor area (SEAD-43)
  
- 2.3 Data consol QA test rng (SEAD-44A)
  
- 2.4 Institutional analysis
  
- 2.5 Risk Evaluation
  
- 2.6 Prepare EE/CA Report
  
- 2.7 Prepare Action Memo
  
- 3.1 Community Relations support
  
- 3.2 Meetings and project management

*Sma*

*OE/EE/CA  
File*

October 18, 2000

Major David Sheets  
CEHNC-PM-EO  
U.S. Army Corps of Engineers  
Engineering and Support Center, Huntsville  
4820 University Square  
Huntsville, AL 35816-1822

**SUBJECT: Period 12 Monthly Progress Report, for the Period Ending September 30, 2000, for OE-EE/CA Activities, Task Order 52 at the Seneca Army Depot Activity (SEDA) under Contract DACA87-95-D-0018**

Dear Major Sheets:

Enclosed with this cover letter is the monthly progress report for the twelfth period of the job that period ending on September 30, 2000. Task Order 52 describes the Ordnance and Explosive (OE) Engineering Evaluation/Cost Analysis (EE/CA) at the Seneca Army Depot Activity (SEDA). This monthly report is based on the original scope and does not include adjustments to be made as a result of mod 1, which we are presently preparing.

**TASK ORDER 52 (OE-EE/CA at the Seneca Army Depot Activity)**

As described previously, this task order consists of three (3) Work Breakdown Structures (WBS). Each Scope of Work (SOW) task has been included into one of the three (3) WBS tasks. The first task, WBS 01000, includes all the SOW fieldwork tasks, the second task, WBS 02000, includes all report writing, and the third, WBS 03000, includes all project and program management tasks including Community Relations Support.

Work Breakdown Structure 01000, the Fieldwork task, was initiated at the beginning of the project. SOW Task 1.1, the Site Visit and Records Review and geophysical test plot, 100% complete. On all field sites the investigation of UXO contamination is in various stages of completion. In many areas digging on individual anomalies is in process. Inclement weather is the one factor that could seriously delay our field schedule.

From an earned value perspective for WBS 01000, the cumulative Actual Cost of the Work Performed (ACWP) through Period 12 is \$381,159. The Budgeted Cost of the Work Performed (BCWP) is \$307,431. The Budgeted Cost of the Work Scheduled (BCWS) is \$1,289,017. This WBS is now over budget and not on schedule. This status reflects the impact of three separate

influences. Across the project we are finding roughly twice as many anomalies than were estimated, field work is taking longer than estimated, and additional work not originally scheduled or estimated has been performed. The estimate of the Budget at Completion (EAC) remains as originally budgeted at \$1,289,017. The attached financial sheets provide you with a description of the earned values described herein.

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The Work Breakdown Structure (WBS) Task 02000, the report preparation task, has no activity for the period.

From an earned value perspective WBS 02000 remains as it was last period, the cumulative Actual Cost of the Work Performed (ACWP) through Period 12 is \$25,872. The Budgeted Cost of the Work Performed (BCWP) is \$41,596. The Budgeted Cost of the Work Scheduled (BCWS) is \$162,204. This WBS remains substantially under budget but off schedule. The estimate of the Budget at Completion (EAC) remains as originally budgeted at \$297,114. The attached financial sheets provide you with a description of the earned values described herein.

The Work Breakdown Structure (WBS) Task 03000, the project management task, has ACWP through Period 12 of \$85,829. The BCWP is \$37,317. The BCWS is \$70,605. This means that this WBS is over budget and behind schedule. This is still due to unanticipated costs associated with attendance at a week-long project partnering meeting in the Atlanta program management office. The estimate of the Budget at Completion (EAC) remains \$134,620. The attached financial sheets provide you with a description of the earned values described herein. This is the 12th monthly progress report.

Overall, we estimate this task order is 66% physically complete. The ACWP for this task order is \$492,860. The BCWP is \$1,128,296 and the BCWS is \$1,541,615. The task order is under budget and behind schedule mainly due to unforeseen field conditions. We are concerned that the number of anomalies detected is significantly larger than anticipated and this may add cost and schedule to the original estimates.

If you have any questions regarding this or any other project status, please, do not hesitate to call me at (781) 401-2492.

Sincerely,

**PARSONS ENGINEERING SCIENCE, INC.**

  
Michael Duchesneau, P.E.  
Task Order Manager

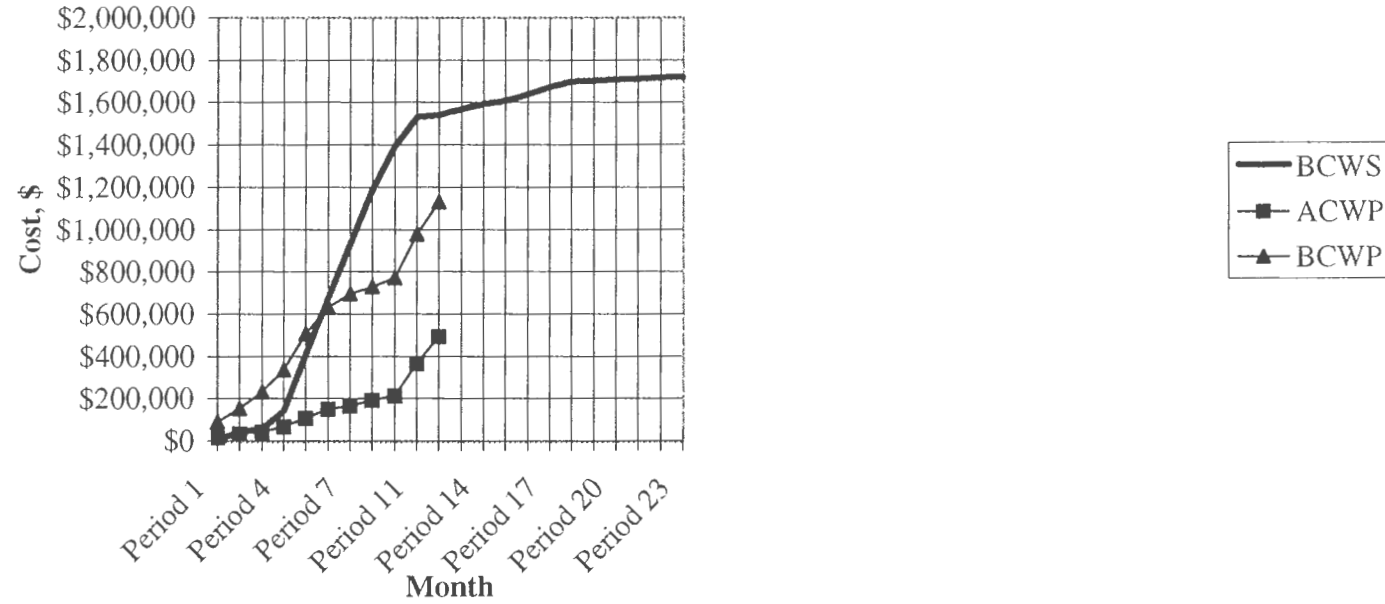
Enclosures

cc: Mr. Kenneth Stockwell, Program Manager, Parsons Engineering Science, Atlanta  
Mr. Stephen Absolom, Seneca Army Depot Activity  
Mr. Randall Battaglia, CENAN, Seneca Army Depot Activity

SUMMARY														
		Starting date: Sep-25-99												
		Ending Date: May-31-01												
WORK TASK	Breakdown	Total	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Period 8	Period 9	Period 11	Period 12	
Approved Monthly	Hours	11,351	136	216	156	1,056	1,056	1,056	1,056	1,656	1,576	396	96	
	Burdened labor	\$745,305	\$8,930	\$14,183	\$10,243	\$69,337	\$69,337	\$69,337	\$69,337	\$108,733	\$103,480	\$26,001	\$6,303	
	Subcontracts	\$676,843	\$290	\$10,470	\$3,256	\$8,490	\$160,290	\$160,290	\$150,290	\$104,091	\$34,091	\$4,091	\$4,091	
	ODC's	\$298,603	\$683	\$3,689	\$5,689	\$5,683	\$37,683	\$37,683	\$37,683	\$40,683	\$71,183	\$3,683	\$683	
	Avg. Labor Rate		\$65.66	\$65.66	\$65.66	\$65.66	\$65.66	\$65.66	\$65.66	\$65.66	\$65.66	\$65.66	\$65.66	\$65.66
	BAC	\$1,720,751	\$9,903	\$28,342	\$19,188	\$83,510	\$267,310	\$267,310	\$257,310	\$253,507	\$208,754	\$33,775	\$11,077	
Cumulative	Hours		136	352	508	1,564	2,620	3,676	4,732	6,388	7,964	9,155	9,251	
	Burdened labor		\$8,930	\$23,112	\$33,355	\$102,692	\$172,029	\$241,366	\$310,702	\$419,435	\$522,915	\$601,116	\$607,419	
	Subcontracts		\$290	\$10,760	\$14,016	\$22,506	\$182,796	\$343,086	\$493,376	\$597,467	\$631,558	\$646,752	\$650,843	
	ODC's		\$683	\$4,372	\$10,061	\$15,744	\$53,427	\$91,110	\$128,793	\$169,476	\$240,659	\$282,670	\$283,353	
	BCWS		\$9,903	\$38,244	\$57,432	\$140,942	\$408,252	\$675,562	\$932,871	\$1,186,378	\$1,395,132	\$1,530,538	\$1,541,615	
	Actual Monthly	Hours		193	169	146	313	407	427	179	337	362	1,401	1,501
Burdened labor			\$15,942	\$14,442	\$8,666	\$18,983	\$30,062	\$29,366	\$12,307	\$22,471	\$21,699	\$66,650	\$74,522	
Subcontracts			\$0	\$0	\$0	\$0	\$5,900	\$5,956	\$1,941	\$0	\$0	\$0	\$0	
ODC's			\$647	\$3,301	\$465	\$4,230	\$4,032	\$6,777	\$301	\$5,299	\$1,456	\$19,230	\$53,634	
Unbilled ODCs			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Unbilled Subs			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Avg. Labor Rate			\$82.60	\$85.26	\$59.48	\$60.71	\$73.79	\$68.77	\$68.74	\$66.68	\$59.94	\$47.59	\$49.64	
ACWP			\$16,589	\$17,744	\$9,130	\$23,212	\$39,994	\$42,099	\$14,549	\$27,770	\$23,154	\$85,881	\$128,156	
Cumulative	Hours		193	362	508	821	1,228	1,655	1,834	2,171	2,533	5,091	6,592	
	Burdened labor		\$15,942	\$30,384	\$39,050	\$58,033	\$88,094	\$117,460	\$129,767	\$152,238	\$173,936	\$299,606	\$374,128	
	Subcontracts		\$0	\$0	\$0	\$0	\$5,900	\$11,856	\$13,797	\$13,797	\$13,797	\$13,797	\$13,797	
	ODC's		\$647	\$3,948	\$4,413	\$8,642	\$12,674	\$19,452	\$19,753	\$25,052	\$26,508	\$51,301	\$104,935	
	% Complete		5%	9%	14%	20%	29%	37%	40%	42%	45%	57%	66%	
	Unbilled ODCs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	Unbilled Subs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	ACWP		\$16,589	\$34,333	\$43,463	\$66,675	\$106,669	\$148,767	\$163,317	\$191,087	\$214,241	\$364,704	\$492,860	
	BCWP		\$87,758	\$151,426	\$232,301	\$335,891	\$505,901	\$631,516	\$693,979	\$728,738	\$769,176	\$977,387	\$1,128,296	
	ETC		\$1,632,993	\$1,569,325	\$1,488,450	\$1,384,860	\$1,214,850	\$1,089,235	\$1,026,772	\$992,013	\$951,575	\$743,364	\$592,455	
Percent Spent		1%	2%	3%	4%	6%	9%	9%	11%	12%	21%	29%		

	BCWS	BCWP	ACWP	SV	CV	BAC	ETC	EAC	VAC
Hours	9251	7443	6592						
Burdened Labor	\$607,419	\$488,696	\$374,128						
Subcontracts	\$650,843	\$443,806	\$15,191						
ODCs	\$283,353	\$195,794	\$104,935						
Unbilled ODCs			\$0						
Unbilled Subs			\$0						
<b>Total</b>	<b>\$1,541,615</b>	<b>\$1,128,296</b>	<b>\$492,860</b>	<b>-\$413,319</b>	<b>\$635,436</b>	<b>\$1,720,751</b>	<b>\$592,455</b>	<b>\$1,085,315</b>	<b>\$635,436</b>

**COST OF WORK FOR TOTAL JOB**



	Month	Cumulative
Budgeted Hours	96	9,251
Actual Hours	1,501	6,592
Budgeted Avg. Rate	\$65.66	\$65.66
Actual Avg. Rate	\$49.64	\$56.76

TASK 1: Fieldwork															
Starting date:		Sep-27-99													
Ending Date:		May-26-00													
WORK TASK	Breakdown	Total	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Period 8	Period 9	Period 10	Period 11	Period 12	
Approved Monthly	Hours	6,739	80	160	100	1,000	1,000	1,000	1,000	1,000	1,000	399			
	Burdened labor	\$400,002	\$4,749	\$9,497	\$5,936	\$59,356	\$59,356	\$59,356	\$59,356	\$59,356	\$59,356	\$23,683			
	Subcontracts	\$628,358	\$0	\$10,180	\$2,966	\$8,200	\$160,000	\$160,000	\$150,000	\$100,000	\$30,000	\$7,012			
	ODC's	\$260,657	\$0	\$3,006	\$5,006	\$5,000	\$37,000	\$37,000	\$37,000	\$37,000	\$67,000	\$32,645			
	Avg. Labor Rate		59.36	59.36	59.36	59.36	59.36	59.36	59.36	59.36	59.36	59.36	59.36		
	BAC	\$1,289,017	\$4,749	\$22,683	\$13,908	\$72,556	\$256,356	\$256,356	\$246,356	\$196,356	\$156,356	\$63,340			
Cumulative	Hours		80	240	340	1,340	2,340	3,340	4,340	5,340	6,340	6,739			
	Burdened labor		\$4,749	\$14,246	\$20,181	\$79,537	\$138,894	\$198,250	\$257,606	\$316,963	\$376,319	\$400,002			
	Subcontracts		\$0	\$10,180	\$13,146	\$21,346	\$181,346	\$341,346	\$491,346	\$591,346	\$621,346	\$628,358			
	ODC's		\$0	\$3,006	\$8,012	\$13,012	\$50,012	\$87,012	\$124,012	\$161,012	\$228,012	\$260,657			
	BCWS		\$4,749	\$27,432	\$41,339	\$113,895	\$370,252	\$626,608	\$872,964	\$1,069,321	\$1,225,677	\$1,289,017			
Actual Monthly	Hours		87	113	96	286	186	207	59	188	259	1,103	1,361	1,458	
	Burdened labor		\$7,069	\$8,379	\$4,811	\$15,967	\$10,372	\$10,343	\$2,714	\$9,619	\$12,058	\$53,707	\$62,782	\$70,087	
	Subcontracts		\$0	\$0	\$0	\$0	\$5,900	\$5,956	\$1,941	\$0	\$0	\$0	\$0	\$0	
	ODC's		\$479	\$2,794	\$284	\$4,069	\$3,987	\$5,349	\$204	\$4,889	\$1,050	\$5,404	\$17,752	\$53,193	
	Unbilled ODCs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	Unbilled Subs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	Avg. Labor Rate		\$81.25	\$74.15	\$50.12	\$55.93	\$55.91	\$49.97	\$45.99	\$51.30	\$46.56	\$48.71	\$46.13	\$48.08	
	ACWP		\$7,548	\$11,173	\$5,095	\$20,037	\$20,258	\$21,648	\$4,859	\$14,508	\$13,108	\$59,111	\$80,534	\$123,280	
Cumulative	Hours		87	200	296	582	767	974	1,033	1,221	1,480	2,582	3,943	5,401	
	Burdened labor		\$7,069	\$15,448	\$20,259	\$36,226	\$46,598	\$56,941	\$59,655	\$69,273	\$81,332	\$135,038	\$197,820	\$267,907	
	Subcontracts		\$0	\$0	\$0	\$0	\$5,900	\$11,856	\$13,797	\$13,797	\$13,797	\$13,797	\$13,797	\$13,797	
	ODC's		\$479	\$3,273	\$3,557	\$7,626	\$11,613	\$16,962	\$17,166	\$22,056	\$23,106	\$28,510	\$46,262	\$99,455	
	% Complete		2%	2%	4%	5%	5%	5%	6%	6%	6%	14%	16%	24%	
	Unbilled ODCs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	Unbilled Subs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	ACWP		\$7,548	\$18,720	\$23,816	\$43,852	\$64,111	\$85,759	\$90,618	\$105,126	\$118,234	\$177,345	\$257,879	\$381,159	
	BCWP		\$23,202	\$28,358	\$46,405	\$61,873	\$64,451	\$64,451	\$76,697	\$76,697	\$80,950	\$181,494	\$211,399	\$307,431	
	ETC		\$1,265,815	\$1,260,659	\$1,242,612	\$1,227,144	\$1,224,566	\$1,224,566	\$1,212,320	\$1,212,320	\$1,208,067	\$1,107,523	\$1,077,618	\$981,586	
Percent Spent		1%	1%	2%	3%	5%	7%	7%	8%	9%	14%	20%	30%		

	BCWS	BCWP	ACWP	SV	CV	BAC	ETC	EAC	VAC
Hours	0	1607	5401						
Burdened Labor	\$0	\$95,400	\$267,907						
Subcontracts	\$0	\$149,863	\$13,797						
ODCs	\$0	\$62,167	\$99,455						
Unbilled ODCs			\$0						
Unbilled Subs			\$0						
Total	\$0	\$307,431	\$381,159	\$307,431	-\$73,729	\$1,289,017	\$981,586	\$1,362,746	-\$73,729

	Month	Cumulative
Budgeted Hours	0	0
Actual Hours	1,458	5,401
Budgeted Avg. Rate	\$0.00	\$0.00
Actual Avg. Rate	\$48.08	\$49.61

TASK 2: Report Preparation													
Starting date:		Apr-01-00											
Ending Date:		Dec-29-00											
WORK TASK	Breakdown	Total	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Period 8	Period 9	Period 11	Period 12
<b>Approved Monthly</b>	Hours	3,332								600	520	340	40
	Burdened labor	\$233,057								\$41,967	\$36,371	\$23,781	\$2,798
	Subcontracts	\$41,814								\$3,801	\$3,801	\$3,801	\$3,801
	ODC's	\$22,243								\$3,000	\$3,500	\$3,000	\$0
	Avg. Labor Rate									69.95	69.95	69.95	69.95
	BAC	\$297,114								\$48,768	\$43,672	\$30,582	\$6,599
<b>Cumulative</b>	Hours									600	1,120	1,800	1,840
	Burdened labor									\$41,967	\$78,338	\$125,901	\$128,699
	Subcontracts									\$3,801	\$7,602	\$15,204	\$19,005
	ODC's									\$3,000	\$6,500	\$14,500	\$14,500
	BCWS									\$48,768	\$92,440	\$155,605	\$162,204
<b>Actual Monthly</b>	Hours		0	0	0	0	44	16	68	110	55	0	0
	Burdened labor		\$0	\$0	\$0	\$0	\$4,630	\$1,815	\$4,978	\$8,612	\$4,173	\$0	\$0
	Subcontracts		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	ODC's		\$0	\$0	\$0	\$0	\$0	\$963	\$10	\$32	\$392	\$238	\$0
	Unbilled ODCs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Unbilled Subs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Avg. Labor Rate						\$105.22	\$113.43	\$73.21	\$78.29	\$75.87		
	ACWP		\$0	\$0	\$0	\$0	\$4,630	\$2,778	\$4,988	\$8,644	\$4,565	\$238	\$0
<b>Cumulative</b>	Hours		0	0	0	0	44	60	128	238	293	293	293
	Burdened labor		\$0	\$0	\$0	\$0	\$4,630	\$6,445	\$11,423	\$20,035	\$24,207	\$24,207	\$24,207
	Subcontracts		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	ODC's		\$0	\$0	\$0	\$0	\$0	\$963	\$973	\$1,005	\$1,397	\$1,665	\$1,665
	% Complete		0%	0%	0%	4%	11%	12%	13%	13%	14%	14%	14%
	Unbilled ODCs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Unbilled Subs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	ACWP		\$0	\$0	\$0	\$0	\$4,630	\$7,408	\$12,396	\$21,040	\$25,605	\$25,872	\$25,872
	BCWP		\$0	\$0	\$0	\$10,399	\$33,277	\$35,357	\$37,436	\$39,516	\$41,596	\$41,596	\$41,596
	ETC		\$297,114	\$297,114	\$297,114	\$286,715	\$263,837	\$261,757	\$259,678	\$257,598	\$255,518	\$255,518	\$255,518
Percent Spent		0%	0%	0%	0%	2%	2%	4%	7%	9%	9%	9%	



	BCWS	BCWP	ACWP	SV	CV	BAC	ETC	EAC	VAC
Hours	1840	466	293						
Burdened Labor	\$128,699	\$32,628	\$24,207						
Subcontracts	\$19,005	\$5,854	\$0						
ODCs	\$14,500	\$3,114	\$1,665						
Unbilled ODCs			\$0						
Unbilled Subs			\$0						
Total	\$162,204	\$41,596	\$25,872	-\$120,608	\$15,724	\$297,114	\$255,518	\$281,390	\$15,724

	Month	Cumulative
Budgeted Hours	40	1,840
Actual Hours	0	293
Budgeted Avg. Rate	\$69.95	\$69.95
Actual Avg. Rate	\$0.00	\$82.62

Jul-28-00						
WBS Number	Task Name	Percent Contribution		Percent Complete		Total
		Level 1	Level 2	Level 2	Level 1	
1	Fieldwork	72%				24%
1.1	Site Visit and Records Review		3%	100%		
1.2	Geophysical Test Plot		2%	100%		
1.3	OE Charaterization EOD Range (SEAD-57)		7%	50%		
1.4	OE Charaterization OD Area (SEAD-45)		7%	45%		
1.5	OE Charaterization Demo. Area (SEAD-)		7%	30%		
1.6	OE Charaterization Burial Area (SEAD-)		2%	100%		
1.7	OE Charaterization Grenade Range (SEAD-)		3%	60%		
1.8	OE Charaterization Small Arms/3.5"Rocket Range (SEAD-46)		3%	40%		
1.9	OE Charaterization EOD Area #3(SEAD-)		2%	85%		
1.1	OE Charaterization EOD Area #2 (SEAD-)		2%	15%		
1.11	OE Charaterization Igloo Area (SEAD-53)		62%	5%		
2	Workplan and Report Preparation	20%				14%
2.1	EE/CA Workplan		14%	100%		
2.2	Data Consolodation for Liquid Sotrage Area (SEAD-43)		12%	0%		
2.3	Data Consolodation for QA Test Range (SEAD-44a)		12%	0%		
2.4	Institutional Analysis		12%	0%		
2.5	Risk Evaluation		22%	0%		
2.6	Prepare EE/CA Report		25%	0%		
2.7	Prepare Action Memo		3%	0%		
3	Project Management	8%				28%
3.1	Community Relations Support		34%	0%		
3.2	Meetings and Project Management		66%	42%		
<b>Total Physical Percent Complete =</b>						<b>%66</b>

Task #	Hours	Direct Labor (DL)	Labor Cost (DL*2.0191)	ODCs	Sub Contractor	Unbilled ODCs	Unbilled Subs	% Comp	ACWP
1	1458	\$32912	70,086.58	\$53193	\$0	\$0	\$0	%24	\$123280
2	0	\$0	0.00	\$0	\$0	\$0	\$0	%14	\$0
3	43	\$1,913	4,435.44	\$441	\$0	\$0	\$0	%28	\$4876

	BCWS	BCWP	ACWP	SV	CV	BAC	ETC	EAC	VAC
Hours	672	355	898						
Burdened Labor	\$58,929	\$31,115	\$82,014						
Subcontracts	\$3,480	\$1,849	\$0						
ODCs	\$8,196	\$4,353	\$3,815						
Unbilled ODCs			\$0						
Unbilled Subs			\$0						
Total	\$70,605	\$37,317	\$85,829	-\$33,288	-\$48,512	\$134,620	\$97,303	\$183,132	-\$48,512

	Month	Cumulative
Budgeted Hours	56	672
Actual Hours	43	898
Budgeted Avg. Rate	\$87.69	\$87.69
Actual Avg. Rate	\$102.44	\$91.35

*msd*

**PARSONS ENGINEERING SCIENCE, INC.**

30 Dan Road • Canton, Massachusetts 02021-2809 • (781) 401-3200 • Fax: (781) 401-2575

December 18, 2000

Major David Sheets  
CEHNC-PM-EO  
U.S. Army Corps of Engineers  
Engineering and Support Center, Huntsville  
4820 University Square  
Huntsville, AL 35816-1822

**SUBJECT: Period 14 Monthly Progress Report, for the Period Ending November 30, 2000, for OE-EE/CA Activities, Task Order 52 at the Seneca Army Depot Activity (SEDA) under Contract DACA87-95-D-0018**

Dear Major Sheets:

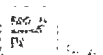
Enclosed with this cover letter is the monthly progress report for the fourteenth period of the job that period ending on November 30, 2000. Task Order 52 describes the Ordnance and Explosive (OE) Engineering Evaluation/Cost Analysis (EE/CA) at the Seneca Army Depot Activity (SEDA). This monthly report is based on the original scope and does not include adjustments to be made as a result of the Mods currently under discussion. The basis of reporting physical percent complete against budget expended will need to be modified to reflect the new work once negotiations are complete.

**TASK ORDER 52 (OE-EE/CA at the Seneca Army Depot Activity)**

As described previously, this task order consists of three (3) Work Breakdown Structures (WBS). Each Scope of Work (SOW) task has been included into one of the three (3) WBS tasks. The first task, WBS 01000, includes all the SOW fieldwork tasks, the second task, WBS 02000, includes all report writing, and the third, WBS 03000, includes all project and program management tasks including Community Relations Support.

Work Breakdown Structure 01000, the Fieldwork task, was initiated at the beginning of the project. SOW Task 1.1, the Site Visit and Records Review, geophysical test plot, the Indian Creek Burial Ground field investigation, the Grenade Range field investigation, the EOD Area #2 field investigation, and the Igloo Area 'Ditch D' investigation are all 100% complete. On all remaining field sites the investigation is nearing completion. The largest portion of the remaining work is in the geophysics and

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Major David Sheets

12/18/00

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intrusive investigation of UXO contamination radiating out from SEADs 57 and 45. We have already investigated in excess of the assumed 5128 anomalies in the course of working on the original scope and on the new work directed by the contracting officer. Inclement weather will likely cause us to stop field operations next month and not allow us to resume those operations until sometime in the spring of 2001.

From the present earned value baseline for WBS 01000, the cumulative Actual Cost of the Work Performed (ACWP) through Period 14 is \$877,474. The Budgeted Cost of the Work Performed (BCWP) is \$482,737. The Budgeted Cost of the Work Scheduled (BCWS) is \$1,289,017. This status does not reflect the additional budget needed for work done at the request of the contracting officer. This status does reflect the impact of finding roughly twice as many anomalies as budgeted for. These issues can be addressed in Mod 3. The reporting baseline will be updated to reflect the new work and the budgets allocated to accomplish that work.

The Work Breakdown Structure (WBS) Task 02000, the report preparation task, has no activity for the period.

From an earned value perspective WBS 02000 remains as it was last period, the cumulative Actual Cost of the Work Performed (ACWP) through Period 14 is \$25,872. The Budgeted Cost of the Work Performed (BCWP) is \$41,596. The Budgeted Cost of the Work Scheduled (BCWS) is \$184,292. This WBS remains substantially under budget but off schedule. As mentioned previously the combination of greater anomaly densities than estimated and the CEHNC direction to proceed on additional work has delayed completion of the fieldwork and thus the report writing. These issues can also be addressed in Mod 3.

The Work Breakdown Structure (WBS) Task 03000, the project management task, has ACWP through Period 14 of \$101,500. The BCWP is \$39,982. The BCWS is \$82,373. This variance is also a combination of issues, the need for the Mod 3 baseline being one of them.

Overall, the estimate and attached financial sheets have been impacted by variance in actual versus estimated conditions and additional work conducted at the request of CEHNC and thus are less useful than intended in determining the status of the project. The values currently indicate the task order is 32% physically complete. The ACWP for this task order is \$1,004,846. The BCWP is \$564,315 and the BCWS is \$1,593,034. The trending is under budget and behind schedule. Once we have final agreement on the Mod 3 scope the tracking program will be modified to reflect the agreed to work and budgets making these reports more precise, accurate, and useful once again. This is the 14th monthly progress report.

Major David Sheets  
12/18/00  
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If you have any questions regarding this or any other project status, please, do not hesitate to call me at (781) 401-2492.

Sincerely,

**PARSONS ENGINEERING SCIENCE, INC.**

Michael Duchesneau, P.E.  
Task Order Manager

Enclosures

cc: *Mr. Kenneth Stockwell*, Program Manager, Parsons Engineering Science, Atlanta  
*Mr. Stephen Absalom*, Seneca Army Depot Activity  
*Mr. Randall Battaglia*, CENAN, Seneca Army Depot Activity

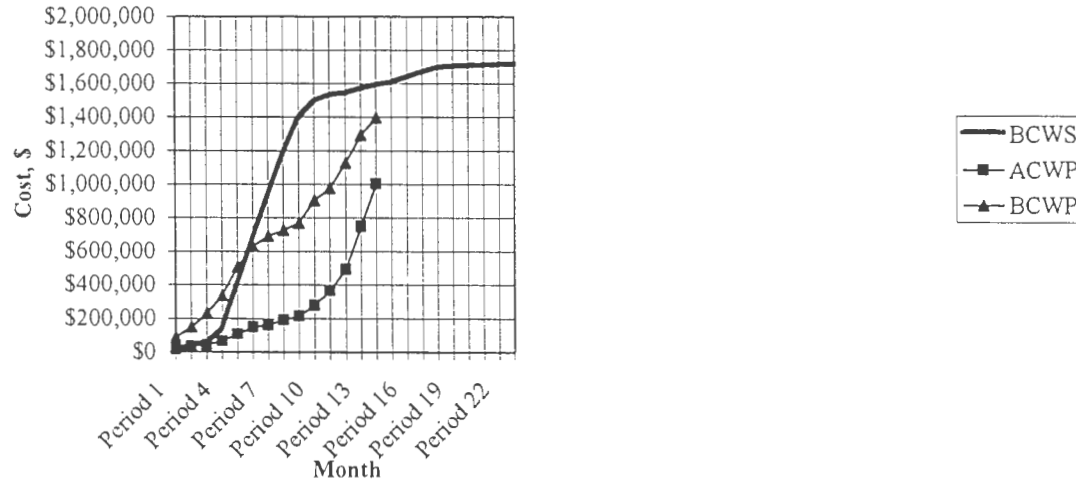
WORK TASK		SUMMARY														
		Starting Date: Sep-25-99														
		Ending Date: May-31-01														
Breakdown	Total	Period														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Approved Monthly	11,331	136	216	136	1,056	1,056	1,056	1,056	1,056	1,056	1,056	1,056	1,056	1,056	1,056	1,056
Burdend Labor	\$745,305	\$8,930	\$14,183	\$10,243	\$69,337	\$69,337	\$69,337	\$69,337	\$69,337	\$69,337	\$69,337	\$69,337	\$69,337	\$69,337	\$69,337	\$69,337
Subcontract	\$676,843	\$290	\$10,470	\$3,315	\$8,490	\$160,290	\$160,290	\$160,290	\$160,290	\$160,290	\$160,290	\$160,290	\$160,290	\$160,290	\$160,290	\$160,290
ODCA	\$298,602	\$683	\$3,689	\$5,689	\$5,689	\$17,689	\$17,689	\$17,689	\$17,689	\$17,689	\$17,689	\$17,689	\$17,689	\$17,689	\$17,689	\$17,689
Ave Labor Rate	\$55.66	\$55.66	\$55.66	\$55.66	\$55.66	\$55.66	\$55.66	\$55.66	\$55.66	\$55.66	\$55.66	\$55.66	\$55.66	\$55.66	\$55.66	\$55.66
BAC	\$1,720,751	\$9,903	\$28,332	\$19,188	\$83,310	\$83,310	\$83,310	\$83,310	\$83,310	\$83,310	\$83,310	\$83,310	\$83,310	\$83,310	\$83,310	\$83,310
Cumulative		136	352	508	1,564	2,620	3,676	4,732	5,788	6,844	7,900	8,956	10,012	11,068	12,124	13,180
Burdend Labor	\$8,930	\$23,113	\$37,296	\$51,479	\$70,662	\$99,845	\$129,028	\$158,211	\$187,394	\$216,577	\$245,760	\$274,943	\$304,126	\$333,309	\$362,492	\$391,675
Subcontract	\$290	\$1,760	\$3,520	\$5,280	\$7,040	\$13,800	\$20,560	\$27,320	\$34,080	\$40,840	\$47,600	\$54,360	\$61,120	\$67,880	\$74,640	\$81,400
ODCA	\$683	\$4,372	\$8,744	\$13,116	\$17,488	\$21,860	\$26,232	\$30,604	\$34,976	\$39,348	\$43,720	\$48,092	\$52,464	\$56,836	\$61,208	\$65,580
BCWS	\$9,903	\$38,244	\$75,487	\$112,731	\$150,000	\$187,312	\$224,624	\$261,936	\$299,248	\$336,560	\$373,872	\$411,184	\$448,496	\$485,808	\$523,120	\$560,432
Hours	193	169	146	313	407	427	479	531	583	635	687	739	791	843	895	947
Burdend Labor	\$15,942	\$14,442	\$14,442	\$8,666	\$18,983	\$30,662	\$39,346	\$48,030	\$56,714	\$65,398	\$74,082	\$82,766	\$91,450	\$100,134	\$108,818	\$117,502
Subcontract	\$0	\$0	\$0	\$0	\$0	\$5,936	\$5,936	\$5,936	\$5,936	\$5,936	\$5,936	\$5,936	\$5,936	\$5,936	\$5,936	\$5,936
Unbilld ODCs	\$647	\$3,301	\$6,585	\$10,230	\$14,033	\$17,777	\$21,521	\$25,265	\$29,009	\$32,753	\$36,497	\$40,241	\$43,985	\$47,729	\$51,473	\$55,217
Ave Labor Rate	\$82.60	\$85.56	\$59.48	\$60.71	\$73.79	\$68.77	\$68.74	\$68.74	\$68.74	\$68.74	\$68.74	\$68.74	\$68.74	\$68.74	\$68.74	\$68.74
ACWP	\$16,589	\$17,244	\$19,130	\$23,212	\$30,994	\$41,029	\$51,064	\$61,099	\$71,134	\$81,169	\$91,204	\$101,239	\$111,274	\$121,309	\$131,344	\$141,379
Hours	193	362	508	821	1,128	1,655	1,834	2,171	2,533	2,933	3,690	4,091	4,592	5,093	5,594	6,095
Burdend Labor	\$15,942	\$30,384	\$39,070	\$58,033	\$88,094	\$117,660	\$147,226	\$176,792	\$206,358	\$235,924	\$265,490	\$295,056	\$324,622	\$354,188	\$383,754	\$413,320
Subcontract	\$0	\$0	\$0	\$0	\$5,900	\$11,800	\$17,700	\$23,600	\$29,500	\$35,400	\$41,300	\$47,200	\$53,100	\$59,000	\$64,900	\$70,800
ODCA	\$647	\$3,248	\$6,413	\$9,642	\$12,871	\$16,100	\$19,329	\$22,558	\$25,787	\$29,016	\$32,245	\$35,474	\$38,703	\$41,932	\$45,161	\$48,390
% Complete	5%	9%	14%	20%	29%	37%	40%	42%	43%	43%	43%	43%	43%	43%	43%	43%
Unbilld ODCs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ACWP	\$16,589	\$34,333	\$43,463	\$66,675	\$106,669	\$148,767	\$190,865	\$232,963	\$275,061	\$317,159	\$359,257	\$401,355	\$443,453	\$485,551	\$527,649	\$569,747
BCWP	\$87,748	\$151,426	\$212,201	\$272,976	\$333,751	\$394,526	\$455,301	\$516,076	\$576,851	\$637,626	\$698,401	\$759,176	\$819,951	\$880,726	\$941,501	\$1,002,276
ETC	\$163,993	\$1,569,235	\$1,488,240	\$1,384,860	\$1,214,850	\$1,089,233	\$1,026,772	\$992,013	\$951,175	\$910,337	\$869,499	\$828,661	\$787,823	\$746,985	\$706,147	\$665,309
Percent Spent	1%	2%	3%	4%	6%	9%	9%	11%	12%	14%	16%	17%	18%	19%	20%	21%

Period 15	Period 16	Period 17	Period 18	Period 19	Period 20	Period 21	Period 22	Period 23
136	396	376	328	56	56	56	56	48
\$8,930	\$26,001	\$24,688	\$21,536	\$3,677	\$3,677	\$3,677	\$3,677	\$3,152
\$4,091	\$4,091	\$4,091	\$4,094	\$290	\$290	\$290	\$290	\$291
\$683	\$2,183	\$2,313	\$2,296	\$683	\$683	\$683	\$683	\$677
\$65.66	\$65.66	\$65.66	\$65.66	\$65.66	\$65.66	\$65.66	\$65.66	\$65.66
\$13,704	\$32,275	\$31,092	\$27,926	\$4,650	\$4,650	\$4,650	\$4,650	\$4,120
9,979	10,375	10,751	11,079	11,135	11,191	11,247	11,303	11,351
\$655,220	\$681,221	\$705,909	\$727,446	\$731,122	\$734,799	\$738,476	\$742,153	\$745,305
\$663,116	\$667,207	\$671,298	\$675,392	\$675,682	\$675,972	\$676,262	\$676,552	\$676,843
\$288,402	\$290,585	\$292,898	\$295,194	\$295,877	\$296,560	\$297,243	\$297,926	\$298,603
\$1,606,738	\$1,639,013	\$1,670,105	\$1,698,032	\$1,702,681	\$1,707,331	\$1,711,981	\$1,716,631	\$1,720,751
0%	0%	0%	0%	0%	0%	0%	0%	0%



	BCWS	BCWP	ACWP	SV	CV	BAC	ETC	EAC	VAC
Hours	9843	9211	8120						
Burdened Labor	\$646,290	\$604,815	\$452,911						
Subcontracts	\$659,025	\$549,258	\$384,129						
ODCs	\$287,719	\$242,316	\$166,414						
Unbilled ODCs			\$0						
Unbilled Subs			\$0						
<b>Total</b>	<b>\$1,593,034</b>	<b>\$1,396,389</b>	<b>\$1,003,454</b>	<b>-\$196,645</b>	<b>\$392,935</b>	<b>\$1,720,751</b>	<b>\$324,362</b>	<b>\$1,327,816</b>	<b>\$392,935</b>

**COST OF WORK FOR TOTAL JOB**



	Month	Cumulative
Budgeted Hours	296	9,843
Actual Hours	621	8,120
Budgeted Avg. Rate	\$65.66	\$65.66
Actual Avg. Rate	\$51.80	\$55.78

TASK 1: Fieldwork																
		Starting date:	Sep-27-99													
		Ending Date:	May-26-00													
WORK TASK	Breakdown	Total	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Period 8	Period 9	Period 10	Period 11	Period 12	Period 13	Period 14
Approved Monthly	Hours	6,739	80	160	109	1,000	1,000	1,000	1,000	1,000	1,000	399				
	Burdened labor	\$400,002	\$4,749	\$9,497	\$5,936	\$59,356	\$59,356	\$59,356	\$59,356	\$59,356	\$59,356	\$23,683				
	Subcontracts	\$628,358	\$0	\$10,180	\$2,966	\$8,200	\$160,000	\$160,000	\$150,000	\$109,000	\$30,000	\$7,012				
	ODC's	\$260,657	\$0	\$3,006	\$3,006	\$3,000	\$37,000	\$37,000	\$37,000	\$37,000	\$67,000	\$32,645				
	Avg. Labor Rate	\$9.36	\$9.36	\$9.36	\$9.36	\$9.36	\$9.36	\$9.36	\$9.36	\$9.36	\$9.36	\$9.36				
BAC	\$1,289,017	\$4,749	\$22,683	\$13,908	\$72,556	\$256,356	\$256,356	\$246,356	\$196,356	\$156,356	\$63,340					
Cumulative	Hours		80	240	340	1,340	2,340	3,340	4,340	5,340	6,340	6,739				
	Burdened labor		\$4,749	\$14,246	\$20,181	\$79,537	\$138,894	\$198,250	\$257,606	\$316,963	\$376,319	\$400,002				
	Subcontracts		\$0	\$10,180	\$13,146	\$21,346	\$181,346	\$341,346	\$491,346	\$591,346	\$621,346	\$628,358				
	ODC's		\$0	\$3,006	\$8,012	\$13,012	\$50,012	\$87,012	\$124,012	\$161,012	\$228,012	\$260,657				
	BCWS		\$4,749	\$27,432	\$41,339	\$113,893	\$370,252	\$626,608	\$872,964	\$1,069,321	\$1,225,677	\$1,289,017				
Actual Monthly	Hours		87	113	96	286	186	207	59	188	259	1,103	1,361	1,458	834	552
	Burdened labor		\$7,069	\$8,379	\$4,811	\$15,967	\$10,372	\$10,343	\$2,714	\$9,619	\$12,058	\$53,707	\$62,782	\$70,087	\$38,899	\$25,174
	Subcontracts		\$0	\$0	\$0	\$0	\$5,900	\$5,956	\$1,941	\$0	\$0	\$0	\$0	\$0	\$186,559	\$183,773
	ODC's		\$479	\$2,794	\$284	\$4,069	\$3,987	\$5,349	\$204	\$4,889	\$1,050	\$5,404	\$17,752	\$53,193	\$21,874	\$38,616
	Unbilled ODC's		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Unbilled Subs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Avg. Labor Rate		\$81.25	\$74.15	\$50.12	\$55.93	\$55.91	\$49.97	\$45.99	\$51.30	\$46.56	\$48.71	\$46.13	\$48.08	\$46.67	\$45.64
	ACWP		\$7,548	\$11,173	\$5,095	\$20,037	\$20,258	\$21,648	\$4,859	\$14,598	\$13,108	\$59,111	\$89,534	\$123,280	\$247,332	\$247,522
	Cumulative	Hours		87	200	296	582	767	974	1,033	1,221	1,480	2,582	3,943	5,401	6,234
Burdened labor			\$7,069	\$15,448	\$20,259	\$36,226	\$46,598	\$56,941	\$59,655	\$69,273	\$81,332	\$135,038	\$197,820	\$267,907	\$306,806	\$331,979
Subcontracts			\$0	\$0	\$0	\$0	\$5,900	\$11,856	\$13,797	\$13,797	\$13,797	\$13,797	\$13,797	\$13,797	\$200,356	\$384,129
ODC's			\$479	\$3,273	\$3,557	\$7,626	\$11,613	\$16,962	\$17,166	\$22,056	\$23,106	\$28,510	\$46,262	\$99,455	\$121,329	\$159,975
% Complete			2%	2%	4%	5%	5%	5%	6%	6%	6%	14%	16%	24%	31%	37%
Unbilled ODC's			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Unbilled Subs			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ACWP			\$7,548	\$18,720	\$23,816	\$43,852	\$64,111	\$85,759	\$90,618	\$105,126	\$118,234	\$177,345	\$257,879	\$381,159	\$628,491	\$876,002
BCWP			\$23,202	\$28,358	\$46,405	\$61,873	\$64,451	\$64,451	\$76,697	\$76,697	\$80,950	\$181,494	\$211,399	\$307,431	\$474,107	\$482,737
ETC			\$1,265,815	\$1,260,659	\$1,242,612	\$1,227,144	\$1,224,566	\$1,224,566	\$1,212,320	\$1,212,320	\$1,208,067	\$1,107,523	\$1,077,618	\$981,586	\$884,910	\$806,200
Percent Spent		1%	1%	2%	3%	5%	7%	7%	7%	8%	9%	14%	20%	31%	40%	68%

	BCWS	BCWP	ACWP	SV	CV	BAC	ETC	EAC	VAC
Hours	0	2524	6786						
Burdened Labor	\$0	\$149,801	\$331,979						
Subcontracts	\$0	\$235,320	\$384,129						
ODCs	\$0	\$97,616	\$159,975						
Unbilled ODCs			\$0						
Unbilled Subs			\$0						
Total	\$0	\$482,737	\$876,082	\$-482,737	-\$393,346	\$1,289,017	\$806,280	\$1,682,363	-\$393,346

	Month	Cumulative
Budgeted Hours	0	0
Actual Hours	552	6,786
Budgeted Avg. Rate	\$0.00	\$0.00
Actual Avg. Rate	\$45.64	\$48.92

TASK 2: Report Preparation											
Starting date:		Apr-01-00									
Ending Date:		Dec-29-00									
WORK TASK	Breakdown	Total	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Period 8	Period 9
Approved Monthly	Hours	3,332								600	520
	Burdened labor	\$233,057								\$41,967	\$36,371
	Subcontracts	\$41,814								\$3,801	\$3,801
	ODC's	\$22,243								\$3,000	\$3,500
	Avg. Labor Rate									69.95	69.95
	BAC	\$297,114								\$48,768	\$43,672
Cumulative	Hours									600	1,120
	Burdened labor									\$41,967	\$78,338
	Subcontracts									\$3,801	\$7,602
	ODC's									\$3,000	\$6,500
	BCWS									\$48,768	\$92,440
Actual Monthly	Hours		0	0	0	0	44	16	68	110	55
	Burdened labor		\$0	\$0	\$0	\$0	\$4,630	\$1,815	\$4,978	\$8,612	\$4,173
	Subcontracts		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	ODC's		\$0	\$0	\$0	\$0	\$0	\$963	\$10	\$32	\$392
	Unbilled ODCs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Unbilled Subs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Avg. Labor Rate						\$105.22	\$113.43	\$73.21	\$78.29	\$75.87
	ACWP		\$0	\$0	\$0	\$0	\$4,630	\$2,778	\$4,988	\$8,644	\$4,565
Cumulative	Hours		0	0	0	0	44	60	128	238	293
	Burdened labor		\$0	\$0	\$0	\$0	\$4,630	\$6,445	\$11,423	\$20,035	\$24,207
	Subcontracts		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	ODC's		\$0	\$0	\$0	\$0	\$0	\$963	\$973	\$1,005	\$1,397
	% Complete		0%	0%	0%	4%	11%	12%	13%	13%	14%
	Unbilled ODCs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Unbilled Subs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	ACWP		\$0	\$0	\$0	\$0	\$4,630	\$7,408	\$12,396	\$21,040	\$25,605
	BCWP		\$0	\$0	\$0	\$10,399	\$33,277	\$35,357	\$37,436	\$39,516	\$41,596
	ETC		\$297,114	\$297,114	\$297,114	\$286,715	\$263,837	\$261,757	\$259,678	\$257,598	\$255,518
Percent Spent			0%	0%	0%	0%	2%	2%	4%	7%	9%

Period 10	Period 11	Period 12	Period 13	Period 14	Period 15	Period 16	Period 17	Period 18
340	340	40	240	240	80	340	320	272
\$23,781	\$23,781	\$2,798	\$16,787	\$16,787	\$5,596	\$23,781	\$22,382	\$19,025
\$3,801	\$3,801	\$3,801	\$3,801	\$3,801	\$3,801	\$3,801	\$3,801	\$3,804
\$5,000	\$3,000	\$0	\$1,500	\$1,500	\$0	\$1,500	\$1,630	\$1,613
69.95	69.95	69.95	69.95	69.95	69.95	69.95	69.95	69.95
\$32,582	\$30,582	\$6,599	\$22,088	\$22,088	\$9,397	\$29,082	\$27,813	\$24,442
1,460	1,800	1,840	2,080	2,320	2,400	2,740	3,060	3,332
\$102,120	\$125,901	\$128,699	\$145,486	\$162,273	\$167,868	\$191,650	\$214,032	\$233,057
\$11,403	\$15,204	\$19,005	\$22,806	\$26,607	\$30,408	\$34,209	\$38,010	\$41,814
\$11,500	\$14,500	\$14,500	\$16,000	\$17,500	\$17,500	\$19,000	\$20,630	\$22,243
\$125,023	\$155,605	\$162,204	\$184,292	\$206,380	\$215,776	\$244,859	\$272,672	\$297,114
0	0	0	0	0				
\$0	\$0	\$0	\$0	\$0				
\$0	\$0	\$0	\$0	\$0				
\$29	\$238	\$0	\$0	\$0				
\$0	\$0	\$0	\$0	\$0				
\$0	\$0	\$0	\$0	\$0				
\$29	\$238	\$0	\$0	\$0				
293	293	293	293	293				
\$24,207	\$24,207	\$24,207	\$24,207	\$24,207				
\$0	\$0	\$0	\$0	\$0				
\$1,427	\$1,665	\$1,665	\$1,665	\$1,665				
14%	14%	14%	14%	14%				
\$0	\$0	\$0	\$0	\$0				
\$0	\$0	\$0	\$0	\$0				
\$25,634	\$25,872	\$25,872	\$25,872	\$25,872				
\$41,596	\$41,596	\$41,596	\$41,596	\$41,596				
\$255,518	\$255,518	\$255,518	\$255,518	\$255,518				
9%	9%	9%	9%	9%				

	BCWS	BCWP	ACWP	SV	CV	BAC	ETC	EAC	VAC
Hours	2320	466	293						
Burdened Labor	\$162,273	\$32,628	\$24,207						
Subcontracts	\$26,607	\$5,854	\$0						
ODCs	\$17,500	\$3,114	\$1,665						
Unbilled ODCs			\$0						
Unbilled Subs			\$0						
Total	\$206,380	\$41,596	\$25,872	-\$164,784	\$15,724	\$297,114	\$255,518	\$281,390	\$15,724



	Month	Cumulative
Budgeted Hours	240	2,320
Actual Hours	0	293
Budgeted Avg. Rate	\$69.95	\$69.95
Actual Avg. Rate	\$0.00	\$82.62

TASK 3: Project Management																	
		Starting date:	Sep-25-99														
		Ending Date:	May-31-01														
WORK TASK	Breakdown	Total	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6	Period 7	Period 8	Period 9	Period 10	Period 11	Period 12	Period 13	Period 14	
Approved Monthly	Hours	1,280	56	56	56	56	56	56	56	56	56	56	56	56	56	56	
	Burdened labor	\$112,246	\$4,911	\$4,911	\$4,911	\$4,911	\$4,911	\$4,911	\$4,911	\$4,911	\$4,911	\$4,911	\$4,911	\$4,911	\$4,911	\$4,911	
	Subcontracts	\$6,671	\$290	\$290	\$290	\$290	\$290	\$290	\$290	\$290	\$290	\$290	\$290	\$290	\$290	\$290	
	ODC's	\$15,703	\$683	\$683	\$683	\$683	\$683	\$683	\$683	\$683	\$683	\$683	\$683	\$683	\$683	\$683	
	Avg. Labor Rate		87.69	87.69	87.69	87.69	87.69	87.69	87.69	87.69	87.69	87.69	87.69	87.69	87.69	87.69	
	BAC	\$134,620	\$5,884	\$5,884	\$5,884	\$5,884	\$5,884	\$5,884	\$5,884	\$5,884	\$5,884	\$5,884	\$5,884	\$5,884	\$5,884	\$5,884	
Cumulative	Hours	56	112	168	224	280	336	392	448	504	560	616	672	728	784		
	Burdened labor	\$4,911	\$9,822	\$14,732	\$19,643	\$24,554	\$29,465	\$34,375	\$39,286	\$44,197	\$49,108	\$54,018	\$58,929	\$63,840	\$68,751		
	Subcontracts	\$290	\$580	\$870	\$1,160	\$1,450	\$1,740	\$2,030	\$2,320	\$2,610	\$2,900	\$3,190	\$3,480	\$3,770	\$4,060		
	ODC's	\$683	\$1,366	\$2,049	\$2,732	\$3,415	\$4,098	\$4,781	\$5,464	\$6,147	\$6,830	\$7,513	\$8,196	\$8,879	\$9,562		
	BCWS	\$5,884	\$11,768	\$17,651	\$23,535	\$29,419	\$35,303	\$41,186	\$47,070	\$52,954	\$58,838	\$64,721	\$70,605	\$76,489	\$82,373		
Actual Monthly	Hours	106	56	50	27	178	204	52	46	48	54	40	43	74	69		
	Burdened labor	\$8,873	\$6,064	\$3,855	\$3,015	\$15,061	\$17,207	\$4,615	\$4,240	\$5,468	\$5,313	\$3,868	\$4,434	\$7,729	\$6,992		
	Subcontracts	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
	ODC's	\$168	\$598	\$180	\$160	\$45	\$465	\$87	\$378	\$14	\$129	\$1,240	\$141	\$857	\$1,000		
	Unbilled ODC's	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
	Unbilled Subs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
	Avg. Labor Rate	\$83.71	\$107.51	\$77.56	\$110.85	\$84.66	\$84.35	\$88.67	\$107.35	\$113.91	\$97.93	\$97.93	\$102.44	\$144.10	\$100.52		
	ACWP	\$9,041	\$6,571	\$4,035	\$3,175	\$15,106	\$17,672	\$4,702	\$4,618	\$5,481	\$5,442	\$5,109	\$4,877	\$6,587	\$5,983		
		Hours	106	162	212	239	417	621	673	713	761	815	855	898	972	1,041	
Cumulative	Burdened labor	\$8,873	\$14,937	\$18,791	\$21,806	\$36,867	\$54,074	\$58,690	\$62,930	\$68,398	\$73,710	\$77,578	\$82,011	\$86,743	\$91,735		
	Subcontracts	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0			
	ODC's	\$168	\$676	\$856	\$1,016	\$1,061	\$1,526	\$1,613	\$1,991	\$2,005	\$2,134	\$3,374	\$4,614	\$4,772	\$4,772		
	% Complete	3%	7%	10%	11%	13%	20%	22%	23%	24%	24%	26%	28%	30%	30%		
	Unbilled ODC's	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
	Unbilled Subs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
	ACWP	\$9,041	\$15,612	\$19,647	\$22,823	\$37,928	\$55,600	\$60,303	\$64,921	\$70,402	\$75,844	\$80,953	\$85,829	\$94,415	\$101,400		
	BCWP	\$4,442	\$8,885	\$13,327	\$15,104	\$17,770	\$26,655	\$29,320	\$31,097	\$32,874	\$32,874	\$35,540	\$37,317	\$39,982	\$39,982		
	ETC	\$130,178	\$125,735	\$121,293	\$119,516	\$116,850	\$107,965	\$105,300	\$103,523	\$101,746	\$101,746	\$99,080	\$97,303	\$94,638	\$94,638		
	Percent Spent	7%	12%	15%	17%	28%	41%	45%	48%	52%	56%	60%	64%	70%	75%		

	Period 15	Period 16	Period 17	Period 18	Period 19	Period 20	Period 21	Period 22	Period 23
56	\$4,911	\$4,911	\$4,911	\$4,911	\$4,911	\$4,911	\$4,911	\$4,911	\$4,209
	\$290	\$290	\$290	\$290	\$290	\$290	\$290	\$290	\$291
\$683	\$683	\$683	\$683	\$683	\$683	\$683	\$683	\$683	\$677
87.69	87.69	87.69	87.69	87.69	87.69	87.69	87.69	87.69	87.69
\$5,884	\$5,884	\$5,884	\$5,884	\$5,884	\$5,884	\$5,884	\$5,884	\$5,884	\$5,177
	840	896	952	1,008	1,064	1,120	1,176	1,232	1,280
	\$73,661	\$78,572	\$83,483	\$88,394	\$93,304	\$98,215	\$103,126	\$108,037	\$112,946
	\$4,350	\$4,640	\$4,930	\$5,220	\$5,510	\$5,800	\$6,090	\$6,380	\$6,671
	\$10,245	\$10,958	\$11,671	\$12,384	\$13,097	\$13,810	\$14,523	\$15,236	\$15,949
\$88,256	\$94,140	\$100,024	\$105,908	\$111,791	\$117,675	\$123,559	\$129,443	\$135,327	\$141,210

	BCWS	BCWP	ACWP	SV	CV	BAC	ETC	EAC	VAC
Hours	784	380	1041						
Burdened Labor	\$68,751	\$33,337	\$96,725						
Subcontracts	\$4,060	\$1,981	\$0						
ODCs	\$9,562	\$4,664	\$4,775						
Unbilled ODCs			\$0						
Unbilled Subs			\$0						
Total	\$82,373	\$39,982	\$101,500	-\$42,391	-\$61,518	\$134,620	\$94,638	\$190,138	-\$61,518

	Month	Cumulative
Budgeted Hours	56	784
Actual Hours	69	1,041
Budgeted Avg. Rate	\$87.69	\$87.69
Actual Avg. Rate	\$100.82	\$92.89

WBS Number	Task Name	Percent Contribution		Percent Complete		Total
		Level 1	Level 2	Level 2	Level 1	
1	Fieldwork	72%				37%
1.1	Site Visit and Records Review		3%	100%		
1.2	Geophysical Test Plot		2%	100%		
1.3	OE Charaterization EOD Range (SEAD-57)		7%	75%		
1.4	OE Charaterization OD Area (SEAD-45)		7%	90%		
1.5	OE Charaterization Demo. Area (SEAD-)		7%	90%		
1.6	OE Charaterization Burial Area (SEAD-)		2%	100%		
1.7	OE Charaterization Grenade Range (SEAD-)		3%	100%		
1.8	OE Charaterization Small Arms/3.5"Rocket Range (SEAD-46)		3%	90%		
1.9	OE Charaterization EOD Area #3(SEAD-)		2%	90%		
1.1	OE Charaterization EOD Area #2 (SEAD-)		2%	100%		
1.11	OE Charaterization Igloo Area (SEAD-53)		62%	5%		
2	Workplan and Report Preparation	20%				14%
2.1	EE/CA Workplan		14%	100%		
2.2	Data Consolodation for Liquid Sotrage Area (SEAD-43)		12%	0%		
2.3	Data Consolodation for QA Test Range (SEAD-44a)		12%	0%		
2.4	Institutional Analysis		12%	0%		
2.5	Risk Evaluation		22%	0%		
2.6	Prepare EE CA Report		25%	0%		
2.7	Prepare Action Memo		3%	0%		
3	Project Management	8%				30%
3.1	Community Relations Support		34%	0%		
3.2	Meetings and Project Management		66%	45%		
Total Physical Percent Complete =						%81

Task #	Hours	Direct Labor (DL)	Labor Cost (DL*2.3191)	ODCs	Sub Contractor	Unbilled ODCs	Unbilled Subs	% Comp	ACWP
1	552	\$11455	25,172.74	\$38646	\$183773	\$0	\$0	%37	\$247592
2	0	\$0	0.00	\$0	\$0	\$0	\$0	%14	\$0
3	69	\$3,011	6,981.93	\$103	\$0	\$0	\$0	%30	\$7084

- 1.11 OE Char Igloo area (SEAD-53)
  
- 2.1 EE/CA Work Plan
  
- 2.2 Data consol for liq prop stor area (SEAD-43)
  
- 2.3 Data consol QA test mg (SEAD-44A)
  
- 2.4 Institutional analysis
  
- 2.5 Risk Evaluation
  
- 2.6 Prepare EE/CA Report
  
- 2.7 Prepare Action Memo
  
- 3.1 Community Relations support
  
- 3.2 Meetings and project management

**PARSONS ENGINEERING SCIENCE, INC.**

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Sup  
File  
EE/CA

March 16, 2001

Major David Sheets  
CEHNC-PM-EO  
U.S. Army Corps of Engineers  
Engineering and Support Center, Huntsville  
4820 University Square  
Huntsville, AL 35816-1822

**SUBJECT: Period 17 Monthly Progress Report, for the Period Ending February 28, 2001, for OE-EE/CA Activities, Task Order 52 at the Seneca Army Depot Activity (SEDA) under Contract DACA87-95-D-0018**

Dear Major Sheets:

Enclosed with this cover letter is the monthly progress report for the 17<sup>th</sup> period of the job that period ending on February 28, 2001. Task Order 52 describes the Ordnance and Explosive (OE) Engineering Evaluation/Cost Analysis (EE/CA) at the Seneca Army Depot Activity (SEDA). This monthly report is based on the Mod 2 scope and does not include adjustments being made as Mod 3. This monthly report reflects Mod 2 values and will include Mod 3 amounts once they are final. The report is included at this time for use in tracking progress on tasks 2 and 3.

**TASK ORDER 52 (OE-EE/CA at the Seneca Army Depot Activity)**

As described previously, this task order consists of three (3) Work Breakdown Structures (WBS). Each Scope of Work (SOW) task has been included into one of the three (3) WBS tasks. The first task, WBS 01000, includes all the SOW fieldwork tasks, the second task, WBS 02000, includes all report writing, and the third, WBS 03000, includes all project and program management tasks including Community Relations Support.

Work Breakdown Structure 01000, the Fieldwork task, was initiated at the beginning of the project. The original scope and later requested investigations are largely complete. Site Visit and Records Review, geophysical test plot, the Indian Creek Burial Ground field investigation, the Grenade Range field investigation, the EOD Area #2 field investigation, and the Igloo Area 'Ditch D' investigation are all 100% complete. Based on grid coverage, the investigations of the remaining field sites are 80% or



Major David Sheets

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more complete. Parsons has investigated 11,705 anomalies to date, which is more than twice the originally estimate of 5128 anomalies.

With the final Mod 3 amounts we can once again accurately report to you the relationship between field actual and estimated costs. The report as it stands now for task 1 does not reflect the additional budget needed for work done at the request of the contracting officer nor the impact of finding roughly twice as many anomalies as budgeted for.

The Work Breakdown Structure (WBS) Task 02000, the report preparation task, was the active task this period and is 70% complete. The ACWP is \$45,087, BCWP at \$232,834, and the BCWS is now \$218,193. This WBS remains substantially under budget and on schedule. Work on the preliminary drafts of the EE/CA report and Institutional Analysis report is complete. The initial draft for Huntsville review was submitted this month.

The Work Breakdown Structure (WBS) Task 03000, the project management task, has ACWP through Period 17 of \$120,492. The BCWS is \$114,434. This variance is attributable in part to a partnering session held in Atlanta that was not originally anticipated.

As mentioned previously, this report is based on the Mod 2 scope and does not reflect the actual scope as it is currently defined and further defined when Mod 3 is final. With Mod 3 complete the tracking program will be modified to reflect the agreed to work and budgets making these reports more precise, accurate, and useful once again. Even though imprecise, the general trending on the project is under budget and at or slightly behind schedule. This is the 17th monthly progress report.

If you have any questions, please do not hesitate to call me at (781) 401-2307.

Very truly yours,

**PARSONS ENGINEERING SCIENCE, INC.**



Scott Sauchuk, C.G.  
Task Order Manager

Enclosures

Major David Sheets

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cc: Mr. Kenneth Stockwell, Program Manager, Parsons Engineering Science, Atlanta  
Mr. Michael Duchesneau, Parsons Engineering Science, Inc., Boston  
Mr. Stephen Absolom, Seneca Army Depot Activity  
Mr. Randall Battaglia, CENAN, Seneca Army Depot Activity

SUMMARY

SUMMARY												
		Starting date: Sep-25-99										
		Ending Date: May-31-01										
WORK TASK	Breakdown	Total	Sep/99	Oct/99	Nov/99	Dec/99	Jan/00	Feb/00	Mar/00	Apr/00	May/00	
Approved Monthly	Hours	11,332	0	303	243	243	1,173	353	353	1,793	1,903	
	Burdened labor	\$745,313	\$0	\$19,929	\$15,982	\$15,982	\$77,149	\$23,217	\$23,217	\$117,927	\$125,162	
	Subcontracts	\$676,843	\$0	\$10,514	\$1,814	\$1,814	\$8,444	\$334	\$334	\$187,334	\$201,534	
	ODC's	\$298,613	\$0	\$3,335	\$5,525	\$5,525	\$5,905	\$1,755	\$1,755	\$73,685	\$110,285	
	Avg. Labor Rate		#DIV/0!	\$65.77	\$65.77	\$65.77	\$65.77	\$65.77	\$65.77	\$65.77	\$65.77	\$65.77
	BAC	\$1,720,769	\$0	\$33,778	\$23,321	\$23,321	\$91,498	\$25,306	\$25,306	\$378,946	\$436,981	
Cumulative	Hours		0	303	546	789	1,962	2,315	2,668	4,461	6,364	
	Burdened labor		\$0	\$19,929	\$35,911	\$51,893	\$129,042	\$152,259	\$175,476	\$293,403	\$418,564	
	Subcontracts		\$0	\$10,514	\$12,328	\$14,142	\$22,586	\$22,920	\$23,254	\$210,588	\$412,122	
	ODC's		\$0	\$3,335	\$8,860	\$14,385	\$20,290	\$22,045	\$23,800	\$97,485	\$207,770	
	BCWS		\$0	\$33,778	\$57,099	\$80,420	\$171,918	\$197,224	\$222,530	\$601,476	\$1,038,456	
	Hours			193	169	146	313	407	427	179	337	
Actual Monthly	Burdened labor			\$15,942	\$14,442	\$9,026	\$18,901	\$31,178	\$29,366	\$12,764	\$23,305	
	Subcontracts			\$0	\$0	\$0	\$0	\$5,900	\$5,956	\$1,941	\$0	
	ODC's			\$647	\$3,301	\$465	\$4,230	\$4,033	\$6,777	\$301	\$5,299	
	Unbilled ODCs			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	Unbilled Subs			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	Avg. Labor Rate				\$82.60	\$85.26	\$61.95	\$60.44	\$76.53	\$68.77	\$71.29	\$69.15
	ACWP				\$16,589	\$17,744	\$9,491	\$23,130	\$41,111	\$42,099	\$15,006	\$28,604
Cumulative	Hours			193	362	508	821	1,228	1,655	1,834	2,171	
	Burdened labor			\$15,942	\$30,384	\$39,411	\$58,311	\$89,489	\$118,855	\$131,619	\$154,924	
	Subcontracts			\$0	\$0	\$0	\$0	\$5,900	\$11,856	\$13,797	\$13,797	
	ODC's			\$647	\$3,948	\$4,413	\$8,642	\$12,675	\$19,453	\$19,754	\$25,053	
	% Complete			2%	2%	3%	5%	7%	8%	9%	9%	
	Unbilled ODCs			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	Unbilled Subs			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	ACWP				\$16,589	\$34,333	\$43,823	\$66,954	\$108,064	\$150,163	\$165,169	\$193,774
	BCWP				\$25,853	\$35,351	\$51,623	\$90,925	\$123,620	\$135,115	\$151,970	\$156,196
	ETC				\$1,694,916	\$1,685,418	\$1,669,146	\$1,629,844	\$1,597,149	\$1,585,654	\$1,568,799	\$1,564,573
	Percent Spent				1%	2%	3%	4%	6%	9%	10%	11%

SUMMARY

Jun/00	Jul/00	Aug/00	Sep/00	Oct/00	Nov/00	Dec/00	Jan/01	Feb/01	Mar/01	Apr/01	May/01
403	403	403	403	403	233	239	493	493	493	493	509
\$26,506	\$26,506	\$26,506	\$26,506	\$26,506	\$15,325	\$15,719	\$32,425	\$32,425	\$32,425	\$32,425	\$33,477
\$36,734	\$36,734	\$36,734	\$36,734	\$36,734	\$18,794	\$18,784	\$8,694	\$8,694	\$8,694	\$8,704	\$8,687
\$11,295	\$11,295	\$11,295	\$11,295	\$11,295	\$6,045	\$6,032	\$4,455	\$4,455	\$4,455	\$4,455	\$4,471
\$65.77	\$65.77	\$65.77	\$65.77	\$65.77	\$65.77	\$65.77	\$65.77	\$65.77	\$65.77	\$65.77	\$65.77
\$74,535	\$74,535	\$74,535	\$74,535	\$74,535	\$40,164	\$40,535	\$45,574	\$45,574	\$45,574	\$45,584	\$46,635
6,767	7,170	7,573	7,976	8,379	8,612	8,851	9,344	9,837	10,330	10,823	11,332
\$445,070	\$471,576	\$498,081	\$524,587	\$551,092	\$566,417	\$582,136	\$614,561	\$646,986	\$679,411	\$711,836	\$745,313
\$448,856	\$485,590	\$522,324	\$559,058	\$595,792	\$614,586	\$633,370	\$642,064	\$650,758	\$659,452	\$668,156	\$676,843
\$219,065	\$230,360	\$241,655	\$252,950	\$264,245	\$270,290	\$276,322	\$280,777	\$285,232	\$289,687	\$294,142	\$298,613
\$1,112,991	\$1,187,526	\$1,262,060	\$1,336,595	\$1,411,129	\$1,451,293	\$1,491,828	\$1,537,402	\$1,582,976	\$1,628,550	\$1,674,134	\$1,720,769
362	1,157	1,401	1,501	908	621	723	371	364			
\$21,699	\$59,019	\$66,650	\$74,522	\$46,628	\$32,155	\$37,052	\$21,824	\$23,522			
\$0	\$0	\$0	\$0	\$186,559	\$183,773	\$123,710	\$0	\$167,173			
\$1,456	\$5,563	\$19,230	\$53,634	\$22,731	\$38,748	\$31,786	\$24,247	\$7,814			
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0			
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0			
\$59.94	\$51.02	\$47.59	\$49.64	\$51.36	\$51.80	\$51.23	\$58.90	\$64.62			
\$23,154	\$64,583	\$85,881	\$128,156	\$255,918	\$254,676	\$192,548	\$46,071	\$198,509			
2,533	3,690	5,091	6,592	7,499	8,120	8,843	9,214	9,578			
\$176,622	\$235,642	\$302,292	\$376,814	\$423,442	\$455,597	\$492,649	\$514,473	\$537,994			
\$13,797	\$13,797	\$13,797	\$13,797	\$200,356	\$384,129	\$507,839	\$507,839	\$675,012			
\$26,509	\$32,072	\$51,303	\$104,936	\$127,667	\$166,416	\$198,202	\$222,449	\$230,263			
10%	18%	31%	31%	42%	50%	52%	58%	65%			
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0			
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0			
\$216,928	\$281,510	\$367,391	\$495,547	\$751,465	\$1,006,141	\$1,198,689	\$1,244,760	\$1,443,269			
\$168,154	\$305,938	\$527,760	\$529,577	\$720,438	\$866,696	\$890,257	\$1,003,594	\$1,117,991			
\$1,552,615	\$1,414,831	\$1,193,009	\$1,191,192	\$1,000,331	\$854,073	\$830,512	\$717,175	\$602,778			
13%	16%	21%	29%	44%	58%	70%	72%	84%			

SUMMARY

	BCWS	BCWP	ACWP	SV	CV	BAC	ETC	EAC	VAC
Hours	9837	7362	9578						
Burdened Labor	\$646,986	\$484,233	\$537,994						
Subcontracts	\$650,758	\$439,748	\$675,012						
ODCs	\$285,232	\$194,010	\$230,263						
Unbilled ODCs			\$0						
Unbilled Subs			\$0						
Total	\$1,582,976	\$1,117,991	\$1,443,269	-\$464,985	-\$325,279	\$1,720,769	\$602,779	\$2,046,048	-\$325,279

SUMMARY

	Month	Cumulative
Budgeted Hours	493	9,837
Actual Hours	364	9,578
Budgeted Avg. Rate	\$65.77	\$65.77
Actual Avg. Rate	\$64.62	\$56.17

TASK 1

TASK 1: Fieldwork											
		Starting date:	Oct-01-99								
		Ending Date:	Dec-31-00								
WORK TASK	Breakdown	Total	Sep/99	Oct/99	Nov/99	Dec/99	Jan/00	Feb/00	Mar/00	Apr/00	
Approved Monthly	Hours	6,216		240	180	180	0	0	0	1,730	
	Burdened labor	\$362,445		\$13,994	\$10,496	\$10,496	\$0	\$0	\$0	\$100,874	
	Subcontracts	\$620,250		\$10,180	\$1,480	\$1,480	\$0	\$0	\$0	\$187,000	
	ODCs	\$257,487		\$2,550	\$4,740	\$4,740	\$0	\$0	\$0	\$72,900	
	Avg. Labor Rate			\$8.31	\$8.31	\$8.31	#DIV/0!	#DIV/0!	#DIV/0!	\$8.31	
BAC	\$1,240,182		\$26,724	\$16,716	\$16,716	\$0	\$0	\$0	\$360,774		
Cumulative	Hours			240	420	600	600	600	600	2,330	
	Burdened labor			\$13,994	\$24,490	\$34,985	\$34,985	\$34,985	\$34,985	\$135,859	
	Subcontracts			\$10,180	\$11,660	\$13,140	\$13,140	\$13,140	\$13,140	\$200,140	
	ODCs			\$2,550	\$7,290	\$12,030	\$12,030	\$12,030	\$12,030	\$84,930	
	BCWS			\$26,724	\$43,440	\$60,155	\$60,155	\$60,155	\$60,155	\$420,929	
Actual Monthly	Hours			87	113	96	286	186	207	59	
	Burdened labor			\$7,069	\$8,379	\$5,011	\$15,899	\$10,757	\$10,343	\$2,814	
	Subcontracts			\$0	\$0	\$0	\$0	\$5,900	\$5,956	\$1,941	
	ODCs			\$479	\$2,794	\$284	\$4,069	\$3,988	\$5,349	\$204	
	Unbilled ODCs										
	Unbilled Subs										
	Avg. Labor Rate				\$81.25	\$74.15	\$52.20	\$55.69	\$57.99	\$49.97	\$47.70
ACWP				\$7,548	\$11,173	\$5,295	\$19,968	\$20,644	\$21,648	\$4,960	
Cumulative	Hours			87	200	296	582	767	974	1,033	
	Burdened labor			\$7,069	\$15,448	\$20,459	\$36,358	\$47,114	\$57,458	\$60,272	
	Subcontracts			\$0	\$0	\$0	\$0	\$5,900	\$11,856	\$13,797	
	ODCs			\$479	\$3,273	\$3,557	\$7,626	\$11,614	\$16,963	\$17,168	
	% Complete			1.720%	2%	3%	5%	5%	5%	6%	
	Unbilled ODCs			\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	Unbilled Subs			\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	ACWP				\$7,548	\$18,720	\$24,016	\$43,984	\$64,628	\$86,277	\$91,236
	BCWP				\$21,331	\$26,292	\$42,662	\$63,497	\$66,970	\$66,970	\$78,702
ETC				\$1,218,851	\$1,213,890	\$1,197,520	\$1,176,685	\$1,173,212	\$1,173,212	\$1,161,480	
Percent Spent				1%	2%	2%	4%	5%	7%	7%	

TASK1

May/00	Jun/00	Jul/00	Aug/00	Sep/00	Oct/00	Nov/00	Dec/00	Jan/01	Feb/01
1,840	340	340	340	340	340	170	176		
\$10,287	\$19,825	\$19,825	\$19,825	\$19,825	\$19,825	\$9,912	\$10,262		
\$201,200	\$36,400	\$36,400	\$36,400	\$36,400	\$36,400	\$18,460	\$18,450		
\$109,500	\$10,510	\$10,510	\$10,510	\$10,510	\$10,510	\$5,260	\$5,247		
58.31	58.31	58.31	58.31	58.31	58.31	58.31	58.31		
\$417,987	\$66,735	\$66,735	\$66,735	\$66,735	\$66,735	\$33,632	\$33,959		
4,170	4,510	4,850	5,190	5,530	5,870	6,040	6,216		
\$243,146	\$262,971	\$282,796	\$302,621	\$322,445	\$342,270	\$352,183	\$362,445		
\$401,340	\$437,740	\$474,140	\$510,540	\$546,940	\$583,340	\$601,800	\$620,250		
\$194,430	\$204,940	\$215,450	\$225,960	\$236,470	\$246,980	\$252,240	\$257,487		
\$838,916	\$905,651	\$972,386	\$1,039,121	\$1,105,855	\$1,172,590	\$1,206,223	\$1,240,182		
188	259	1,103	1,361	1,458	834	552	660	294	40
\$9,976	\$12,058	\$53,707	\$62,782	\$70,087	\$38,899	\$25,173	\$31,729	\$15,180	\$2,050
\$0	\$0	\$0	\$0	\$0	\$186,559	\$183,773	\$123,710	\$0	\$167,173
\$4,889	\$1,050	\$5,404	\$17,752	\$53,193	\$21,874	\$38,646	\$31,712	\$24,164	\$4,913
\$53,20	\$46,56	\$48,71	\$46,13	\$48,08	\$46,67	\$45,64	\$48,06	\$51,68	\$51,24
\$14,865	\$13,108	\$59,111	\$80,534	\$123,280	\$247,332	\$247,592	\$187,151	\$39,345	\$174,136
1,221	1,480	2,582	3,943	5,401	6,234	6,786	7,446	7,740	7,780
\$70,248	\$82,306	\$136,013	\$198,795	\$268,881	\$307,780	\$332,953	\$364,682	\$379,862	\$381,912
\$13,797	\$13,797	\$13,797	\$13,797	\$13,797	\$200,356	\$384,129	\$507,839	\$507,839	\$675,012
\$22,057	\$23,107	\$28,511	\$46,263	\$99,456	\$121,330	\$159,976	\$191,688	\$215,853	\$220,766
6%	7%	18%	36%	36%	51%	63%	65%	65%	65%
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$106,101	\$119,209	\$178,321	\$258,855	\$382,134	\$629,466	\$877,058	\$1,064,209	\$1,103,554	\$1,277,689
\$78,702	\$86,441	\$224,361	\$443,675	\$443,675	\$631,997	\$778,400	\$800,165	\$800,165	\$800,165
\$1,161,480	\$1,153,741	\$1,015,821	\$796,507	\$796,507	\$608,185	\$461,782	\$440,017	\$440,017	\$440,017
9%	10%	14%	21%	31%	51%	71%	86%	89%	103%



TASK1

	BCWS	BCWP	ACWP	SV	CV	BAC	ETC	EAC	VAC
Hours	0	4011	7780						
Burdened Labor	\$0	\$233,850	\$381,912						
Subcontracts	\$0	\$400,185	\$675,012						
ODCs	\$0	\$166,131	\$220,766						
Unbilled ODCs			\$0						
Unbilled Subs			\$0						
Total	\$0	\$800,165	\$1,277,689	\$800,165	-\$477,524	\$1,240,182	\$440,017	\$1,717,706	-\$477,524

TASK1

	Month	Cumulative
Budgeted Hours	0	0
Actual Hours	40	7,780
Budgeted Avg. Rate	\$0.00	\$0.00
Actual Avg. Rate	\$51.24	\$49.09

TASK2

TASK 2: Report Preparation											
Starting date:		Jan-01-00									
Ending Date:		May-31-01									
WORK TASK	Breakdown	Total	Sep/99	Oct/99	Nov/99	Dec/99	Jan/00	Feb/00	Mar/00	Apr/00	May/00
Approved Monthly	Hours	3,856					1,110	290	290		
	Burdened labor	\$270,620					\$77,902	\$20,353	\$20,353	\$0	\$0
	Subcontracts	\$49,922					\$8,110				
	ODC's	\$25,423					\$5,120	\$970	\$970		
	Avg. Labor Rate						70.18	70.18	70.18	#DIV/0!	#DIV/0!
	BAC	\$345,965					\$91,132	\$21,323	\$21,323	\$0	\$0
Cumulative	Hours						1,110	1,400	1,690	1,690	1,690
	Burdened labor						\$77,902	\$98,254	\$118,607	\$118,607	\$118,607
	Subcontracts						\$8,110	\$8,110	\$8,110	\$8,110	\$8,110
	ODC's						\$5,120	\$6,090	\$7,060	\$7,060	\$7,060
	BCWS						\$91,132	\$112,454	\$133,777	\$133,777	\$133,777
Actual Monthly	Hours		0	0	0	0	0	44	16	68	110
	Burdened labor		\$0	\$0	\$0	\$0	\$0	\$4,802	\$1,815	\$5,163	\$8,932
	Subcontracts		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	ODC's		\$0	\$0	\$0	\$0	\$0	\$0	\$963	\$10	\$32
	Unbilled ODCs										
	Unbilled Subs										
	Avg. Labor Rate							\$109.13	\$113.43	\$75.93	\$81.20
ACWP			\$0	\$0	\$0	\$0	\$4,802	\$2,778	\$5,173	\$8,964	
Cumulative	Hours		0	0	0	0	0	44	60	128	238
	Burdened labor		\$0	\$0	\$0	\$0	\$0	\$4,802	\$6,616	\$11,779	\$20,711
	Subcontracts		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	ODC's		\$0	\$0	\$0	\$0	\$0	\$0	\$963	\$973	\$1,005
	% Complete		0%	0%	0%	4%	11%	12%	13%	13%	13%
	Unbilled ODCs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Unbilled Subs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	ACWP		\$0	\$0	\$0	\$0	\$0	\$4,802	\$7,580	\$12,753	\$21,716
	BCWP		\$0	\$0	\$0	\$12,109	\$38,748	\$41,170	\$43,592	\$46,013	
	ETC		\$345,965	\$345,965	\$345,965	\$333,856	\$307,217	\$304,795	\$302,373	\$299,952	
Percent Spent			0%	0%	0%	0%	1%	2%	4%	6%	

TASK2

Jun/00	Jul/00	Aug/00	Sep/00	Oct/00	Nov/00	Dec/00	Jan/01	Feb/01	Mar/01	Apr/01	May/01
							430	430	430	430	446
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$30,178	\$30,178	\$30,178	\$30,178	\$31,301
							\$8,360	\$8,360	\$8,360	\$8,370	\$8,362
							\$3,670	\$3,670	\$3,670	\$3,670	\$3,683
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	70.18	70.18	70.18	70.18	70.18
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$42,208	\$42,208	\$42,208	\$42,218	\$43,346
1,690	1,690	1,690	1,690	1,690	1,690	1,690	2,120	2,550	2,980	3,410	3,856
\$118,607	\$118,607	\$118,607	\$118,607	\$118,607	\$118,607	\$118,607	\$148,785	\$178,963	\$209,141	\$239,319	\$270,620
\$8,110	\$8,110	\$8,110	\$8,110	\$8,110	\$8,110	\$8,110	\$16,470	\$24,830	\$33,190	\$41,560	\$49,922
\$7,060	\$7,060	\$7,060	\$7,060	\$7,060	\$7,060	\$7,060	\$10,730	\$14,400	\$18,070	\$21,740	\$25,423
\$133,777	\$133,777	\$133,777	\$133,777	\$133,777	\$133,777	\$133,777	\$175,985	\$218,193	\$260,401	\$302,619	\$345,965
55	0	0	0	0	0	0	0	247			
\$4,173	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,922			
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0			
\$392	\$29	\$238	\$0	\$0	\$0	\$0	\$0	\$2,617			
\$7587								\$64.46			
\$4,565	\$29	\$238	\$0	\$0	\$0	\$0	\$0	\$18,539			
293	293	293	293	293	293	293	293	540			
\$24,884	\$24,884	\$24,884	\$24,884	\$24,884	\$24,884	\$24,884	\$24,884	\$40,805			
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0			
\$1,397	\$1,427	\$1,665	\$1,665	\$1,665	\$1,665	\$1,665	\$1,665	\$4,282			
14%	14%	14%	14%	14%	14%	14%	44%	67%			
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0			
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0			
\$26,281	\$26,310	\$26,549	\$26,549	\$26,549	\$26,549	\$26,549	\$26,549	\$45,087			
\$48,435	\$48,435	\$48,435	\$48,435	\$48,435	\$48,435	\$48,435	\$150,495	\$232,834			
\$297,530	\$297,530	\$297,530	\$297,530	\$297,530	\$297,530	\$297,530	\$195,470	\$113,131			
8%	8%	8%	8%	8%	8%	8%	8%	13%			

TASK2

	BCWS	BCWP	ACWP	SV	CV	BAC	ETC	EAC	VAC
Hours	2550	2595	540						
Burdened Labor	\$178,963	\$182,127	\$40,805						
Subcontracts	\$24,830	\$33,598	\$0						
ODCs	\$14,400	\$17,110	\$4,282						
Unbilled ODCs			\$0						
Unbilled Subs			\$0						
Total	\$218,193	\$232,834	\$45,087	\$14,642	\$187,747	\$345,965	\$113,131	\$158,218	\$187,747

TASK2

	Month	Cumulative
Budgeted Hours	430	2,550
Actual Hours	247	540
Budgeted Avg. Rate	\$70.18	\$70.18
Actual Avg. Rate	\$64.46	\$75.57

TASK3

TASK 3: Project Management											
		Starting date:	Oct-01-99								
		Ending Date:	May-31-01								
WORK TASK	Breakdown	Total	Sep/99	Oct/99	Nov/99	Dec/99	Jan/00	Feb/00	Mar/00	Apr/00	May/00
Approved Monthly	Hours	1,260		63	63	63	63	63	63	63	63
	Burdened labor	\$112,248		\$5,612	\$5,612	\$5,612	\$5,612	\$5,612	\$5,612	\$5,612	\$5,612
	Subcontracts	\$6,671		\$334	\$334	\$334	\$334	\$334	\$334	\$334	\$334
	ODC's	\$15,703		\$785	\$785	\$785	\$785	\$785	\$785	\$785	\$785
	Avg Labor Rate			89.09	89.09	89.09	89.09	89.09	89.09	89.09	89.09
	BAC	\$134,622		\$6,731	\$6,731	\$6,731	\$6,731	\$6,731	\$6,731	\$6,731	\$6,731
Cumulative	Hours			63	126	189	252	315	378	441	504
	Burdened labor			\$5,612	\$11,225	\$16,837	\$22,450	\$28,062	\$33,674	\$39,287	\$44,899
	Subcontracts			\$334	\$668	\$1,002	\$1,336	\$1,670	\$2,004	\$2,338	\$2,672
	ODC's			\$785	\$1,570	\$2,355	\$3,140	\$3,925	\$4,710	\$5,495	\$6,280
	BCWS			\$6,731	\$13,463	\$20,194	\$26,926	\$33,657	\$40,388	\$47,120	\$53,851
Actual Monthly	Hours			106	56	50	27	178	204	52	40
	Burdened labor			\$8,873	\$6,064	\$4,015	\$3,002	\$15,620	\$17,207	\$4,787	\$4,398
	Subcontracts			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	ODC's			\$168	\$508	\$180	\$160	\$45	\$465	\$87	\$378
	Unbilled ODCs										
	Unbilled Subs										
	Avg Labor Rate			\$83.71	\$107.51	\$80.79	\$110.37	\$87.80	\$84.35	\$91.96	\$111.33
	ACWP			\$9,041	\$6,571	\$4,196	\$3,162	\$15,665	\$17,672	\$4,873	\$4,776
Cumulative	Hours			106	162	212	239	417	621	673	713
	Burdened labor			\$8,873	\$14,937	\$18,952	\$21,954	\$37,573	\$54,781	\$59,567	\$63,965
	Subcontracts			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	ODC's			\$168	\$676	\$856	\$1,016	\$1,061	\$1,526	\$1,613	\$1,991
	% Complete			3%	7%	10%	11%	13%	20%	22%	23%
	Unbilled ODCs			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Unbilled Subs			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	ACWP			\$9,041	\$15,612	\$19,808	\$22,970	\$38,635	\$56,307	\$61,180	\$65,956
	BCWP			\$4,443	\$8,885	\$13,328	\$15,105	\$17,770	\$26,655	\$29,321	\$31,098
	ETC			\$130,179	\$125,737	\$121,294	\$119,517	\$116,852	\$107,967	\$105,301	\$103,524
	Percent Spent			0%	12%	15%	17%	29%	42%	45%	49%

TASK3

Jun/00	Jul/00	Aug/00	Sep/00	Oct/00	Nov/00	Dec/00	Jan/01	Feb/01	Mar/01	Apr/01	May/01
63	63	63	63	63	63	63	63	63	63	63	63
\$5,612	\$5,612	\$5,612	\$5,612	\$5,612	\$5,612	\$5,612	\$5,612	\$5,612	\$5,612	\$5,612	\$5,612
\$334	\$334	\$334	\$334	\$334	\$334	\$334	\$334	\$334	\$334	\$334	\$325
\$785	\$785	\$785	\$785	\$785	\$785	\$785	\$785	\$785	\$785	\$785	\$788
89.09	89.09	89.09	89.09	89.09	89.09	89.09	89.09	89.09	89.09	89.09	89.09
\$6,731	\$6,731	\$6,731	\$6,731	\$6,731	\$6,731	\$6,731	\$6,731	\$6,731	\$6,731	\$6,731	\$6,725
\$67	630	693	756	819	882	945	1,008	1,071	1,134	1,197	1,260
\$50,512	\$56,124	\$61,736	\$67,349	\$72,961	\$78,574	\$84,186	\$89,798	\$95,411	\$101,023	\$106,636	\$112,248
\$3,006	\$3,340	\$3,674	\$4,008	\$4,342	\$4,676	\$5,010	\$5,344	\$5,678	\$6,012	\$6,346	\$6,671
\$7,065	\$7,850	\$8,635	\$9,420	\$10,205	\$10,990	\$11,775	\$12,560	\$13,345	\$14,130	\$14,915	\$15,703
\$60,583	\$67,314	\$74,045	\$80,777	\$87,508	\$94,240	\$100,971	\$107,702	\$114,434	\$121,165	\$127,897	\$134,622
48	54	40	43	74	69	63	77	77			
\$5,468	\$5,313	\$3,868	\$4,435	\$7,729	\$6,982	\$5,323	\$6,643	\$5,550			
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0			
\$14	\$129	\$1,240	\$441	\$857	\$103	\$74	\$83	\$284			
\$113.91	\$97.93	\$97.93	\$102.44	\$104.10	\$100.82	\$84.49	\$86.56	\$72.08			
\$5,481	\$5,442	\$5,109	\$4,876	\$8,587	\$7,084	\$5,397	\$6,726	\$5,834			
61	815	855	898	972	1,041	1,104	1,181	1,258			
\$69,433	\$74,745	\$78,614	\$83,049	\$90,779	\$97,760	\$103,083	\$109,727	\$115,277			
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0			
\$2,005	\$2,134	\$3,374	\$3,815	\$4,672	\$4,775	\$4,849	\$4,931	\$5,215			
24%	24%	26%	28%	30%	30%	31%	40%	63%			
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0			
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0			
\$1,437	\$7,679	\$81,988	\$86,864	\$95,451	\$102,535	\$107,932	\$114,658	\$120,492			
\$32,875	\$32,875	\$35,540	\$37,317	\$39,983	\$39,983	\$41,760	\$53,310	\$85,081			
\$101,747	\$101,747	\$99,082	\$97,305	\$94,639	\$94,639	\$92,862	\$81,312	\$49,541			
53%	57%	61%	65%	71%	76%	80%	85%	90%			



TASK3

	BCWS	BCWP	ACWP	SV	CV	BAC	ETC	EAC	VAC
Hours	1071	796	1258						
Burdened Labor	\$95,411	\$70,941	\$115,277						
Subcontracts	\$5,678	\$4,216	\$0						
ODCs	\$13,345	\$9,924	\$5,215						
Unbilled ODCs			\$0						
Unbilled Subs			\$0						
Total	\$114,434	\$85,081	\$120,492	-\$29,353	-\$35,411	\$134,622	\$49,541	\$170,033	-\$35,411

TASK3

	63	1,071
Budgeted Hours	77	1,258
Actual Hours	77	1,181
Budgeted Avg. Rate	\$72.08	\$91.63
Actual Avg. Rate	\$86.56	\$92.91

Monthly Report

1 8 OE Char small arms 3.5 rckt mg (SEAD-46)

1 9 OE Char EOD area #3

1 10 OE Char EOD area #2

1 11 OE Char Igloo area (SEAD-53)

2.1 EE CA Work Plan

2.2 Data consol for liq prop ster area (SEAD-43)

2.3 Data consol QA test mg (SEAD-44A)

2.4 Institutional analysis

2.5 Risk Evaluation

2.6 Prepare EE CA Report

2.7 Prepare Action Memo

3.1 Community Relations support

3.2 Meetings and project management

*See file*

April 9, 2001

Major David Sheets  
CEHNC-PM-EO  
U.S. Army Corps of Engineers  
Engineering and Support Center, Huntsville  
4820 University Square  
Huntsville, AL 35816-1822

**SUBJECT: Period 18 Monthly Progress Report, for the Period Ending March 30, 2001, for OE-EE/CA Activities, Task Order 52 at the Seneca Army Depot Activity (SEDA) under Contract DACA87-95-D-0018**

Dear Major Sheets:

Enclosed with this cover letter is the monthly progress report for the 18<sup>th</sup> period of the job that period ending on March 30, 2001. Task Order 52 describes the Ordnance and Explosive (OE) Engineering Evaluation/Cost Analysis (EE/CA) at the Seneca Army Depot Activity (SEDA). This monthly report is based on the Mod 2 scope and does not include adjustments being made as Mod 3. This monthly report reflects Mod 2 values and will include Mod 3 amounts once they are final. The report is included at this time for use in tracking progress on tasks 2 and 3.

**TASK ORDER 52 (OE-EE/CA at the Seneca Army Depot Activity)**

As described previously, this task order consists of three (3) Work Breakdown Structures (WBS). Each Scope of Work (SOW) task has been included into one of the three (3) WBS tasks. The first task, WBS 01000, includes all the SOW fieldwork tasks, the second task, WBS 02000, includes all report writing, and the third, WBS 03000, includes all project and program management tasks including Community Relations Support.

WBS 01000, the Fieldwork task, was initiated at the beginning of the project. The original scope and later requested investigations are largely complete. Site Visit and Records Review, geophysical test plot, the Indian Creek Burial Ground field investigation, the Grenade Range field investigation, the EOD Area #2 field investigation, and the Igloo Area 'Ditch D' investigation are all 100% complete. Based on grid coverage, the investigations of the remaining field sites are 80% or more complete.

Major David Sheets  
April 9, 2001  
Page 2

Parsons has investigated 11,705 anomalies to date, which is more than twice the originally estimate of 5,128 anomalies.

With the final Mod 3 amounts we can once again accurately report to you the relationship between field actual and estimated costs. The report as it stands now for task 1 does not reflect the additional budget needed for work done at the request of the contracting officer nor the impact of finding roughly twice as many anomalies as budgeted for.

WBS Task 02000, the report preparation task, was the active task this period and is 75% complete. The ACWP is \$55,931, BCWP is \$243,040, and the BCWS is now \$260,401. This WBS remains substantially under budget and on schedule. Parsons received comments from Huntsville on the Draft version of the OE EE/CA this month. During the next period, Parsons will respond to these comments and produce the Draft Final version of the OE EE/CA report.

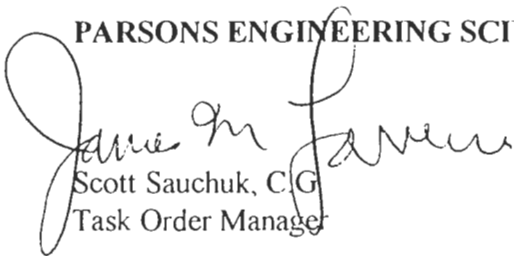
WBS Task 03000, the project management task, has ACWP through Period 18 of \$126,108. The BCWS is \$121,165. This variance is attributable in part to a partnering session held in Atlanta that was not originally anticipated.

As mentioned previously, this report is based on the Mod 2 scope and does not reflect the actual scope as it is currently defined and further defined when Mod 3 is final. With Mod 3 complete the tracking program will be modified to reflect the agreed to work and budgets making these reports more precise, accurate, and useful once again. Even though imprecise, the general trending on the project is under budget and at or slightly behind schedule. This is the 18th monthly progress report.

If you have any questions, please do not hesitate to call me at (781) 401-2307.

Very truly yours,

**PARSONS ENGINEERING SCIENCE, INC.**



Scott Sauchuk, C.G.  
Task Order Manager

Enclosures

Major David Sheets  
March 16, 2001  
Page 3

cc: Mr. Kenneth Stockwell, Program Manager, Parsons Engineering Science, Atlanta  
Mr. Michael Duchesneau, Parsons Engineering Science, Inc., Boston  
Mr. James Lowerre, Parsons Engineering Science, Inc., Boston  
Mr. Stephen Absolom, Seneca Army Depot Activity  
Mr. Randall Battaglia, CENAN, Seneca Army Depot Activity

SUMMARY

SUMMARY												
		Starting date: Sep-25-99										
		Ending Date: May-31-01										
WORK TASK	Breakdown	Total	Sep/99	Oct/99	Nov/99	Dec/99	Jan/00	Feb/00	Mar/00	Apr/00	May/00	
Approved Monthly	Hours	11,332	0	303	243	243	1,173	353	353	1,793	1,903	
	Burdened labor	\$745,313	\$0	\$19,929	\$15,982	\$15,982	\$77,149	\$23,217	\$23,217	\$117,927	\$125,162	
	Subcontracts	\$676,843	\$0	\$10,514	\$1,814	\$1,814	\$8,444	\$334	\$334	\$187,334	\$201,534	
	ODC's	\$298,613	\$0	\$3,335	\$5,525	\$5,525	\$5,905	\$1,755	\$1,755	\$73,685	\$110,285	
	Avg. Labor Rate		#DIV/0!	\$65.77	\$65.77	\$65.77	\$65.77	\$65.77	\$65.77	\$65.77	\$65.77	
	BAC	\$1,720,769	\$0	\$33,778	\$23,321	\$23,321	\$91,498	\$25,306	\$25,306	\$378,946	\$436,981	
Cumulative	Hours		0	303	546	789	1,962	2,315	2,668	4,461	6,364	
	Burdened labor		\$0	\$19,929	\$35,911	\$51,893	\$129,042	\$152,259	\$175,476	\$293,403	\$418,564	
	Subcontracts		\$0	\$10,514	\$12,328	\$14,142	\$22,586	\$22,920	\$23,254	\$210,588	\$412,122	
	ODC's		\$0	\$3,335	\$8,860	\$14,385	\$20,290	\$22,045	\$23,800	\$97,485	\$207,770	
	BCWS		\$0	\$33,778	\$57,099	\$80,420	\$171,918	\$197,224	\$222,530	\$601,476	\$1,038,456	
	Actual Monthly	Hours			193	169	146	313	407	427	179	337
Burdened labor				\$15,942	\$14,442	\$9,026	\$18,901	\$31,178	\$29,366	\$12,764	\$23,305	
Subcontracts				\$0	\$0	\$0	\$0	\$5,900	\$5,956	\$1,941	\$0	
ODC's				\$647	\$3,301	\$465	\$4,230	\$4,033	\$6,777	\$301	\$5,299	
Unbilled ODCs				\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Unbilled Subs				\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Avg. Labor Rate				\$82.60	\$85.26	\$61.95	\$60.44	\$76.53	\$68.77	\$71.29	\$69.15	
ACWP				\$16,589	\$17,744	\$9,491	\$23,130	\$41,111	\$42,099	\$15,006	\$28,604	
Cumulative	Hours			193	362	508	821	1,228	1,655	1,834	2,171	
	Burdened labor			\$15,942	\$30,384	\$39,411	\$58,311	\$89,489	\$118,855	\$131,619	\$154,924	
	Subcontracts			\$0	\$0	\$0	\$0	\$5,900	\$11,856	\$13,797	\$13,797	
	ODC's			\$647	\$3,948	\$4,413	\$8,642	\$12,675	\$19,453	\$19,754	\$25,053	
	% Complete			2%	2%	3%	5%	7%	8%	9%	9%	
	Unbilled ODCs			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	Unbilled Subs			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	ACWP				\$16,589	\$34,333	\$43,823	\$66,954	\$108,064	\$150,163	\$165,169	\$193,774
	BCWP				\$25,853	\$35,351	\$51,623	\$90,925	\$123,620	\$135,115	\$151,970	\$156,196
	ETC				\$1,694,916	\$1,685,418	\$1,669,146	\$1,629,844	\$1,597,149	\$1,585,654	\$1,568,799	\$1,564,573
Percent Spent				1%	2%	3%	4%	6%	9%	10%	11%	

SUMMARY

Jun/00	Jul/00	Aug/00	Sep/00	Oct/00	Nov/00	Dec/00	Jan/01	Feb/01	Mar/01	Apr/01	May/01
403	403	403	403	403	233	239	493	493	493	493	509
\$26,506	\$26,506	\$26,506	\$26,506	\$26,506	\$15,325	\$15,719	\$32,425	\$32,425	\$32,425	\$32,425	\$33,477
\$36,734	\$36,734	\$36,734	\$36,734	\$36,734	\$18,794	\$18,784	\$8,694	\$8,694	\$8,694	\$8,704	\$8,687
\$11,295	\$11,295	\$11,295	\$11,295	\$11,295	\$6,045	\$6,032	\$4,455	\$4,455	\$4,455	\$4,455	\$4,471
\$65.77	\$65.77	\$65.77	\$65.77	\$65.77	\$65.77	\$65.77	\$65.77	\$65.77	\$65.77	\$65.77	\$65.77
\$74,535	\$74,535	\$74,535	\$74,535	\$74,535	\$40,164	\$40,535	\$45,574	\$45,574	\$45,574	\$45,584	\$46,635
6,767	7,170	7,573	7,976	8,379	8,612	8,851	9,344	9,837	10,330	10,823	11,332
\$445,070	\$471,576	\$498,081	\$524,587	\$551,092	\$566,417	\$582,136	\$614,561	\$646,986	\$679,411	\$711,836	\$745,313
\$448,856	\$485,590	\$522,324	\$559,058	\$595,792	\$614,586	\$633,370	\$642,064	\$650,758	\$659,452	\$668,156	\$676,843
\$219,065	\$230,360	\$241,655	\$252,950	\$264,245	\$270,290	\$276,322	\$280,777	\$285,232	\$289,687	\$294,142	\$298,613
\$1,112,991	\$1,187,526	\$1,262,060	\$1,336,595	\$1,411,129	\$1,451,293	\$1,491,828	\$1,537,402	\$1,582,976	\$1,628,550	\$1,674,134	\$1,720,769
362	1,157	1,401	1,501	908	621	723	371	364	213		
\$21,699	\$59,019	\$66,650	\$74,522	\$46,628	\$32,155	\$37,052	\$21,824	\$23,522	\$16,498		
\$0	\$0	\$0	\$0	\$186,559	\$183,773	\$123,710	\$0	\$167,173	\$25,447		
\$1,456	\$5,563	\$19,230	\$53,634	\$22,731	\$38,748	\$31,786	\$24,247	\$7,814	\$6,784		
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
\$59.94	\$51.02	\$47.59	\$49.64	\$51.36	\$51.80	\$51.23	\$58.90	\$64.62	\$77.29		
\$23,154	\$64,583	\$85,881	\$128,156	\$255,918	\$254,676	\$192,548	\$46,071	\$198,509	\$48,729		
2,533	3,690	5,091	6,592	7,499	8,120	8,843	9,214	9,578	9,791		
\$176,622	\$235,642	\$302,292	\$376,814	\$423,442	\$455,597	\$492,649	\$514,473	\$537,994	\$554,492		
\$13,797	\$13,797	\$13,797	\$13,797	\$200,356	\$384,129	\$507,839	\$507,839	\$675,012	\$700,458		
\$26,509	\$32,072	\$51,303	\$104,936	\$127,667	\$166,416	\$198,202	\$222,449	\$230,263	\$237,048		
10%	18%	31%	31%	42%	50%	52%	58%	65%	88%		
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
\$216,928	\$281,510	\$367,391	\$495,547	\$751,465	\$1,006,141	\$1,198,689	\$1,244,760	\$1,443,269	\$1,491,998		
\$168,154	\$305,938	\$527,760	\$529,577	\$720,438	\$866,696	\$890,257	\$1,003,594	\$1,117,991	\$1,516,362		
\$1,552,615	\$1,414,831	\$1,193,009	\$1,191,192	\$1,000,331	\$854,073	\$830,512	\$717,175	\$602,778	\$204,407		
13%	16%	21%	29%	44%	58%	70%	72%	84%	87%		



SUMMARY

	BCWS	BCWP	ACWP	SV	CV	BAC	ETC	EAC	VAC
Hours	10330	9986	9791						
Burdened Labor	\$679,411	\$656,779	\$554,492						
Subcontracts	\$659,452	\$596,442	\$700,458						
ODCs	\$289,687	\$263,141	\$237,048						
Unbilled ODCs			\$0						
Unbilled Subs			\$0						
Total	\$1,628,550	\$1,516,362	\$1,491,998	-\$112,188	\$24,365	\$1,720,769	\$204,407	\$1,696,404	\$24,365

SUMMARY

	Month	Cumulative
Budgeted Hours	493	10,330
Actual Hours	213	9,791
Budgeted Avg. Rate	\$65.77	\$65.77
Actual Avg. Rate	\$77.29	\$56.63

TASK 1

TASK 1: Fieldwork												
			Starting date:		Oct-01-99							
			Ending Date:		Dec-31-00							
WORK TASK	Breakdown	Total	Sep/99	Oct/99	Nov/99	Dec/99	Jan/00	Feb/00	Mar/00	Apr/00	May/00	
Approved Monthly	Hours	6,216		240	180	180	0	0	0	1,730	1,840	
	Burdened labor	\$362,445		\$13,994	\$10,496	\$10,496	\$0	\$0	\$0	\$100,874	\$107,287	
	Subcontracts	\$620,250		\$10,180	\$1,480	\$1,480	\$0	\$0	\$0	\$187,000	\$201,200	
	ODC's	\$257,487		\$2,550	\$4,740	\$4,740	\$0	\$0	\$0	\$72,900	\$109,500	
	Avg. Labor Rate			\$8.31	\$8.31	\$8.31	#DIV/0!	#DIV/0!	#DIV/0!	\$8.31	\$8.31	
	BAC	\$1,240,182		\$26,724	\$16,716	\$16,716	\$0	\$0	\$0	\$360,774	\$417,987	
Cumulative	Hours			240	420	600	600	600	600	2,330	4,170	
	Burdened labor			\$13,994	\$24,490	\$34,985	\$34,985	\$34,985	\$34,985	\$135,859	\$243,146	
	Subcontracts			\$10,180	\$11,660	\$13,140	\$13,140	\$13,140	\$13,140	\$200,140	\$401,340	
	ODC's			\$2,550	\$7,290	\$12,030	\$12,030	\$12,030	\$12,030	\$84,930	\$194,430	
	BCWS			\$26,724	\$43,440	\$60,155	\$60,155	\$60,155	\$60,155	\$420,929	\$838,916	
Actual Monthly	Hours			87	113	96	286	186	207	59	188	
	Burdened labor			\$7,069	\$8,379	\$5,011	\$15,899	\$10,757	\$10,343	\$2,814	\$9,976	
	Subcontracts			\$0	\$0	\$0	\$0	\$5,900	\$5,956	\$1,941	\$0	
	ODC's			\$479	\$2,794	\$284	\$4,069	\$3,988	\$5,349	\$204	\$4,889	
	Unbilled ODCs											
	Unbilled Subs											
	Avg. Labor Rate				\$81.25	\$74.15	\$52.20	\$55.69	\$57.99	\$49.97	\$47.70	\$53.20
ACWP				\$7,548	\$11,173	\$5,295	\$19,968	\$20,644	\$21,648	\$4,960	\$14,865	
Cumulative	Hours			87	200	296	582	767	974	1,033	1,221	
	Burdened labor			\$7,069	\$15,448	\$20,459	\$36,358	\$47,114	\$57,458	\$60,272	\$70,248	
	Subcontracts			\$0	\$0	\$0	\$0	\$5,900	\$11,856	\$13,797	\$13,797	
	ODC's			\$479	\$3,273	\$3,557	\$7,626	\$11,614	\$16,963	\$17,168	\$22,057	
	% Complete			1.720%	2%	3%	5%	5%	5%	6%	6%	
	Unbilled ODCs			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	Unbilled Subs			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	ACWP				\$7,548	\$18,720	\$24,016	\$43,984	\$64,628	\$86,277	\$91,236	\$106,101
	BCWP				\$21,331	\$26,292	\$42,662	\$63,497	\$66,970	\$66,970	\$78,702	\$78,702
	ETC				\$1,218,851	\$1,213,890	\$1,197,520	\$1,176,685	\$1,173,212	\$1,173,212	\$1,161,480	\$1,161,480
	Percent Spent				1%	2%	2%	4%	5%	7%	7%	9%

TASK1

Jun/00	Jul/00	Aug/00	Sep/00	Oct/00	Nov/00	Dec/00	Jan/01	Feb/01	Mar/01	Apr/01	May/01
340	340	340	340	340	170	176					
\$19,825	\$19,825	\$19,825	\$19,825	\$19,825	\$9,912	\$10,262					
\$36,400	\$36,400	\$36,400	\$36,400	\$36,400	\$18,460	\$18,450					
\$10,510	\$10,510	\$10,510	\$10,510	\$10,510	\$5,260	\$5,247					
58.31	58.31	58.31	58.31	58.31	58.31	58.31					
\$66,735	\$66,735	\$66,735	\$66,735	\$66,735	\$33,632	\$33,959					
4,510	4,850	5,190	5,530	5,870	6,040	6,216					
\$262,971	\$282,796	\$302,621	\$322,445	\$342,270	\$352,183	\$362,445					
\$437,740	\$474,140	\$510,540	\$546,940	\$583,340	\$601,800	\$620,250					
\$204,940	\$215,450	\$225,960	\$236,470	\$246,980	\$252,240	\$257,487					
\$905,651	\$972,386	\$1,039,121	\$1,105,855	\$1,172,590	\$1,206,223	\$1,240,182					
259	1,103	1,361	1,458	834	552	660	294	40	5		
\$12,058	\$53,707	\$62,782	\$70,087	\$38,899	\$25,173	\$31,729	\$15,180	\$2,050	\$254		
\$0	\$0	\$0	\$0	\$186,559	\$183,773	\$123,710	\$0	\$167,173	\$25,447		
\$1,050	\$5,404	\$17,752	\$53,193	\$21,874	\$38,646	\$31,712	\$24,164	\$4,913	\$6,569		
\$46.56	\$48.71	\$46.13	\$48.08	\$46.67	\$45.64	\$48.06	\$51.68	\$51.24	\$50.84		
\$13,108	\$59,111	\$80,534	\$123,280	\$247,332	\$247,592	\$187,151	\$39,345	\$174,136	\$32,270		
1,480	2,582	3,943	5,401	6,234	6,786	7,446	7,740	7,780	7,785		
\$82,306	\$136,013	\$198,795	\$268,881	\$307,780	\$332,953	\$364,682	\$379,862	\$381,912	\$382,166		
\$13,797	\$13,797	\$13,797	\$13,797	\$200,356	\$384,129	\$507,839	\$507,839	\$675,012	\$700,458		
\$23,107	\$28,511	\$46,263	\$99,456	\$121,330	\$159,976	\$191,688	\$215,853	\$220,766	\$227,335		
7%	18%	36%	36%	51%	63%	65%	65%	65%	95%		
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
\$119,209	\$178,321	\$258,855	\$382,134	\$629,466	\$877,058	\$1,064,209	\$1,103,554	\$1,277,689	\$1,309,959		
\$86,441	\$224,361	\$443,675	\$443,675	\$631,997	\$778,400	\$800,165	\$800,165	\$800,165	\$1,179,537		
\$1,153,741	\$1,015,821	\$796,507	\$796,507	\$608,185	\$461,782	\$440,017	\$440,017	\$440,017	\$60,645		
10%	14%	21%	31%	51%	71%	86%	89%	103%	106%		

TASK1

	BCWS	BCWP	ACWP	SV	CV	BAC	ETC	EAC	VAC
Hours	0	5912	7785						
Burdened Labor	\$0	\$344,721	\$382,166						
Subcontracts	\$0	\$589,920	\$700,458						
ODCs	\$0	\$244,896	\$227,335						
Unbilled ODCs			\$0						
Unbilled Subs			\$0						
Total	\$0	\$1,179,537	\$1,309,959	\$1,179,537	-\$130,422	\$1,240,182	\$60,645	\$1,370,604	-\$130,422

TASK1

	Month	Cumulative
Budgeted Hours	0	0
Actual Hours	5	7,785
Budgeted Avg. Rate	\$0.00	\$0.00
Actual Avg. Rate	\$50.84	\$49.09

TASK2

TASK 2: Report Preparation											
Starting date:		Jan-01-00									
Ending Date:		May-31-01									
WORK TASK	Breakdown	Total	Sep/99	Oct/99	Nov/99	Dec/99	Jan/00	Feb/00	Mar/00	Apr/00	May/00
Approved Monthly	Hours	3,856					1,110	290	290		
	Burdened labor	\$270,620					\$77,902	\$20,353	\$20,353	\$0	\$0
	Subcontracts	\$49,922					\$8,110				
	ODC's	\$25,423					\$5,120	\$970	\$970		
	Avg. Labor Rate						70.18	70.18	70.18	#DIV/0!	#DIV/0!
	BAC	\$345,965					\$91,132	\$21,323	\$21,323	\$0	\$0
Cumulative	Hours						1,110	1,400	1,690	1,690	1,690
	Burdened labor						\$77,902	\$98,254	\$118,607	\$118,607	\$118,607
	Subcontracts						\$8,110	\$8,110	\$8,110	\$8,110	\$8,110
	ODC's						\$5,120	\$6,090	\$7,060	\$7,060	\$7,060
	BCWS						\$91,132	\$112,454	\$133,777	\$133,777	\$133,777
Actual Monthly	Hours			0	0	0	0	44	16	68	110
	Burdened labor			\$0	\$0	\$0	\$0	\$4,802	\$1,815	\$5,163	\$8,932
	Subcontracts			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	ODC's			\$0	\$0	\$0	\$0	\$0	\$963	\$10	\$32
	Unbilled ODC's										
	Unbilled Subs										
	Avg. Labor Rate							\$109.13	\$113.43	\$75.93	\$81.20
	ACWP			\$0	\$0	\$0	\$0	\$4,802	\$2,778	\$5,173	\$8,964
Cumulative	Hours			0	0	0	0	44	60	128	238
	Burdened labor			\$0	\$0	\$0	\$0	\$4,802	\$6,616	\$11,779	\$20,711
	Subcontracts			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	ODC's			\$0	\$0	\$0	\$0	\$0	\$963	\$973	\$1,005
	% Complete			\$0	0%	0%	4%	11%	12%	13%	13%
	Unbilled ODC's			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Unbilled Subs			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	ACWP			\$0	\$0	\$0	\$0	\$4,802	\$7,580	\$12,753	\$21,716
	BCWP			\$0	\$0	\$0	\$12,109	\$38,748	\$41,170	\$43,592	\$46,013
	ETC			\$345,965	\$345,965	\$345,965	\$333,856	\$307,217	\$304,795	\$302,373	\$299,952
Percent Spent			0%	0%	0%	0%	1%	2%	4%	6%	

TASK2

Jun/00	Jul/00	Aug/00	Sep/00	Oct/00	Nov/00	Dec/00	Jan/01	Feb/01	Mar/01	Apr/01	May/01
							430	430	430	430	446
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$30,178	\$30,178	\$30,178	\$30,178	\$31,301
							\$8,360	\$8,360	\$8,360	\$8,370	\$8,362
							\$3,670	\$3,670	\$3,670	\$3,670	\$3,683
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	70.18	70.18	70.18	70.18	70.18
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$42,208	\$42,208	\$42,208	\$42,218	\$43,346
1,690	1,690	1,690	1,690	1,690	1,690	1,690	2,120	2,550	2,980	3,410	3,856
\$118,607	\$118,607	\$118,607	\$118,607	\$118,607	\$118,607	\$118,607	\$148,785	\$178,963	\$209,141	\$239,319	\$270,620
\$8,110	\$8,110	\$8,110	\$8,110	\$8,110	\$8,110	\$8,110	\$16,470	\$24,830	\$33,190	\$41,560	\$49,922
\$7,060	\$7,060	\$7,060	\$7,060	\$7,060	\$7,060	\$7,060	\$10,730	\$14,400	\$18,070	\$21,740	\$25,423
\$133,777	\$133,777	\$133,777	\$133,777	\$133,777	\$133,777	\$133,777	\$175,985	\$218,193	\$260,401	\$302,619	\$345,965
55	0	0	0	0	0	0	0	247	147		
\$4,173	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,922	\$10,709		
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
\$392	\$29	\$238	\$0	\$0	\$0	\$0	\$0	\$2,617	\$135		
\$75.87								\$64.46	\$72.85		
\$4,565	\$29	\$238	\$0	\$0	\$0	\$0	\$0	\$18,539	\$10,844		
293	293	293	293	293	293	293	293	540	687		
\$24,884	\$24,884	\$24,884	\$24,884	\$24,884	\$24,884	\$24,884	\$24,884	\$40,805	\$51,514		
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
\$1,397	\$1,427	\$1,665	\$1,665	\$1,665	\$1,665	\$1,665	\$1,665	\$4,282	\$4,417		
14%	14%	14%	14%	14%	14%	14%	44%	67%	70%		
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
\$26,281	\$26,310	\$26,549	\$26,549	\$26,549	\$26,549	\$26,549	\$26,549	\$45,087	\$55,931		
\$48,435	\$48,435	\$48,435	\$48,435	\$48,435	\$48,435	\$48,435	\$150,495	\$232,834	\$243,040		
\$297,530	\$297,530	\$297,530	\$297,530	\$297,530	\$297,530	\$297,530	\$195,470	\$113,131	\$102,925		
8%	8%	8%	8%	8%	8%	8%	8%	13%	16%		



TASK2

	BCWS	BCWP	ACWP	SV	CV	BAC	ETC	EAC	VAC
Hours	2980	2709	687						
Burdened Labor	\$209,141	\$190,111	\$51,514						
Subcontracts	\$33,190	\$35,070	\$0						
ODCs	\$18,070	\$17,860	\$4,417						
Unbilled ODCs			\$0						
Unbilled Subs			\$0						
Total	\$260,401	\$243,040	\$55,931	-\$17,361	\$187,109	\$345,965	\$102,925	\$158,856	\$187,109

TASK2

	Month	Cumulative
Budgeted Hours	430	2,980
Actual Hours	147	687
Budgeted Avg. Rate	\$70.18	\$70.18
Actual Avg. Rate	\$72.85	\$74.98

TASK3

TASK 3: Project Management											
		Starting date:		Oct-01-99							
		Ending Date:		May-31-01							
WORK TASK	Breakdown	Total	Sep/99	Oct/99	Nov/99	Dec/99	Jan/00	Feb/00	Mar/00	Apr/00	May/00
Approved Monthly	Hours	1,260		63	63	63	63	63	63	63	63
	Burdened labor	\$112,248		\$5,612	\$5,612	\$5,612	\$5,612	\$5,612	\$5,612	\$5,612	\$5,612
	Subcontracts	\$6,671		\$334	\$334	\$334	\$334	\$334	\$334	\$334	\$334
	ODC's	\$15,703		\$785	\$785	\$785	\$785	\$785	\$785	\$785	\$785
	Avg. Labor Rate			89.09	89.09	89.09	89.09	89.09	89.09	89.09	89.09
	BAC	\$134,622		\$6,731	\$6,731	\$6,731	\$6,731	\$6,731	\$6,731	\$6,731	\$6,731
Cumulative	Hours			63	126	189	252	315	378	441	504
	Burdened labor			\$5,612	\$11,225	\$16,837	\$22,450	\$28,062	\$33,674	\$39,287	\$44,899
	Subcontracts			\$334	\$668	\$1,002	\$1,336	\$2,004	\$2,338	\$2,672	\$3,006
	ODC's			\$785	\$1,570	\$2,355	\$3,140	\$3,925	\$4,710	\$5,495	\$6,280
	BCWS			\$6,731	\$13,463	\$20,194	\$26,926	\$33,657	\$40,388	\$47,120	\$53,851
Actual Monthly	Hours			106	56	50	27	178	204	52	40
	Burdened labor			\$8,873	\$6,064	\$4,015	\$3,002	\$15,620	\$17,207	\$4,787	\$4,398
	Subcontracts			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	ODC's			\$168	\$508	\$180	\$160	\$45	\$465	\$87	\$378
	Unbilled ODCs										
	Unbilled Subs										
	Avg. Labor Rate			\$83.71	\$107.51	\$80.79	\$110.37	\$87.80	\$84.35	\$91.96	\$111.33
ACWP			\$9,041	\$6,571	\$4,196	\$3,162	\$15,665	\$17,672	\$4,873	\$4,776	
Cumulative	Hours			106	162	212	239	417	621	673	713
	Burdened labor			\$8,873	\$14,937	\$18,952	\$21,954	\$37,573	\$54,781	\$59,567	\$63,965
	Subcontracts			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	ODC's			\$168	\$676	\$856	\$1,016	\$1,061	\$1,526	\$1,613	\$1,991
	* Complete			3%	7%	10%	11%	13%	20%	22%	23%
	Unbilled ODCs			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Unbilled Subs			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	ACWP			\$9,041	\$15,612	\$19,808	\$22,970	\$38,635	\$56,307	\$61,180	\$65,956
	BCWP			\$4,443	\$8,885	\$13,328	\$15,105	\$17,770	\$26,655	\$29,321	\$31,098
	ETC			\$130,179	\$125,737	\$121,294	\$119,517	\$116,852	\$107,967	\$105,301	\$103,524
Percent Spent			7%	12%	15%	17%	29%	42%	45%	49%	

TASK3

Jun/00	Jul/00	Aug/00	Sep/00	Oct/00	Nov/00	Dec/00	Jan/01	Feb/01	Mar/01	Apr/01	May/01
63	63	63	63	63	63	63	63	63	63	63	63
\$5,612	\$5,612	\$5,612	\$5,612	\$5,612	\$5,612	\$5,612	\$5,612	\$5,612	\$5,612	\$5,612	\$5,612
\$334	\$334	\$334	\$334	\$334	\$334	\$334	\$334	\$334	\$334	\$334	\$325
\$785	\$785	\$785	\$785	\$785	\$785	\$785	\$785	\$785	\$785	\$785	\$788
89.09	89.09	89.09	89.09	89.09	89.09	89.09	89.09	89.09	89.09	89.09	89.09
\$6,731	\$6,731	\$6,731	\$6,731	\$6,731	\$6,731	\$6,731	\$6,731	\$6,731	\$6,731	\$6,731	\$6,725
\$67	630	693	756	819	882	945	1,008	1,071	1,134	1,197	1,260
\$50,512	\$56,124	\$61,736	\$67,349	\$72,961	\$78,574	\$84,186	\$89,798	\$95,411	\$101,023	\$106,636	\$112,248
\$3,006	\$3,340	\$3,674	\$4,008	\$4,342	\$4,676	\$5,010	\$5,344	\$5,678	\$6,012	\$6,346	\$6,671
\$7,065	\$7,850	\$8,635	\$9,420	\$10,205	\$10,990	\$11,775	\$12,560	\$13,345	\$14,130	\$14,915	\$15,703
\$60,583	\$67,314	\$74,045	\$80,777	\$87,508	\$94,240	\$100,971	\$107,702	\$114,434	\$121,165	\$127,897	\$134,622
48	54	60	63	74	69	63	77	77	61		
\$5,468	\$5,313	\$3,868	\$4,435	\$7,729	\$6,982	\$5,323	\$6,643	\$5,550	\$5,535		
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
\$14	\$129	\$1,240	\$441	\$857	\$103	\$74	\$83	\$284	\$80		
\$113.91	\$97.93	\$97.93	\$102.44	\$104.10	\$100.82	\$84.49	\$86.56	\$72.08	\$90.07		
\$5,481	\$5,442	\$5,109	\$4,876	\$8,587	\$7,084	\$5,397	\$6,726	\$5,834	\$5,615		
61	815	855	898	972	1,041	1,104	1,181	1,258	1,320		
\$69,433	\$74,745	\$78,614	\$83,049	\$90,779	\$97,760	\$103,083	\$109,727	\$115,277	\$120,812		
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
\$2,005	\$2,134	\$3,374	\$3,815	\$4,672	\$4,775	\$4,849	\$4,931	\$5,215	\$5,296		
24%	24%	26%	28%	30%	30%	31%	40%	63%	70%		
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
\$71,437	\$76,879	\$81,988	\$86,864	\$95,451	\$102,535	\$107,932	\$114,658	\$120,492	\$126,108		
\$32,875	\$32,875	\$35,540	\$37,317	\$39,983	\$39,983	\$41,760	\$53,310	\$85,081	\$94,101		
\$101,747	\$101,747	\$99,082	\$97,305	\$94,639	\$94,639	\$92,862	\$81,312	\$49,541	\$40,521		
53%	57%	61%	65%	71%	76%	80%	85%	90%	94%		

TASK3

	BCWS	BCWP	ACWP	SV	CV	BAC	ETC	EAC	VAC
Hours	1134	881	1320						
Burdened Labor	\$101,023	\$78,461	\$120,812						
Subcontracts	\$6,012	\$4,663	\$0						
ODCs	\$14,130	\$10,976	\$5,296						
Unbilled ODCs			\$0						
Unbilled Subs			\$0						
Total	\$121,165	\$94,101	\$126,108	-\$27,064	-\$32,007	\$134,622	\$40,521	\$166,629	-\$32,007

TASK3

	63	1,134
Budgeted Hours	61	1,320
Actual Hours	77	1,181
	135	135
Budgeted Avg. Rate	\$90.07	\$91.56
Actual Avg. Rate	\$86.56	\$92.91

Monthly Report

3/23/01						
WBS Number	Task Name	Percent Contribution		Percent Complete		Total
		Level 1	Level 2	Level 2	Level 1	
1	Fieldwork	72%				95.110%
1.1	Site Visit and Records Review		3%	100%		
1.2	Geophysical Test Plot		3%	100%		
1.3	OE Characterization EOD Range (SEAD-57)		12%	85%		
1.4	OE Characterization OD Area (SEAD-45)		12%	95%		
1.5	OE Characterization Demo. Area (SEAD-)		11%	90%		
1.6	OE Characterization Burial Area (SEAD-)		2%	100%		
1.7	OE Characterization Grenade Range (SEAD-)		8%	100%		
1.8	OE Characterization Small Arms/3.5"Rocket Range (SEAD-46)		11%	90%		
1.9	OE Characterization EOD Area #3(SEAD-)		4%	90%		
1.1	OE Characterization EOD Area #2 (SEAD-)		4%	100%		
1.11	OE Characterization Igloo Area (SEAD-53)		32%	100%		
2	Workplan and Report Preparation	20%				70%
2.1	EE/CA Workplan		14%	100%		
2.2	Data Consolodation for Liquid Sotrage Area (SEAD-43)		12%	100%		
2.3	Data Consolodation for Q-A Test Range (SEAD-44a)		12%	0%		
2.4	Institutional Analysis		12%	75%		
2.5	Risk Evaluation		22%	75%		
2.6	Prepare EE CA Report		25%	75%		
2.7	Prepare Action Memo		3%	0%		
3	Project Management	8%				69.900%
3.1	Community Relations Support		34%	60%		
3.2	Meetings and Project Management		66%	75%		
Total Physical Percent Complete =						88%

Task #	Hours	Direct Labor (DL)	Labor Cost (DL*2.3291)	ODCs	Sub Contractor	Unbilled ODCs	Unbilled Subs	% Comp	ACWP
1	5	\$109	254.22	\$6569	\$25447			%95	\$32270
2	147	\$4598	10,708.64	\$135	\$0			%70	\$10844
3	61	\$2,376	5,534.92	\$80	\$0			%70	\$5615

Monthly Report

- 1.8 OE Char small arms/3.5 rekt mg (SEAD-46)
- 1.9 OE Char EOD area #3
- 1.10 OE Char EOD area #2
- 1.11 OE Char Igloo area (SEAD-53)
- 2.1 EE/CA Work Plan
- 2.2 Data consol for liq prop stor area (SEAD-43)
- 2.3 Data consol QA test mg (SEAD-44A)
- 2.4 Institutional analysis
- 2.5 Risk Evaluation
- 2.6 Prepare EE/CA Report
- 2.7 Prepare Action Memo
- 3.1 Community Relations support
- 3.2 Meetings and project management



**PARSONS ENGINEERING SCIENCE, INC.**

300 Dun Road • Canton, Massachusetts 02021-2809 • (781) 401-4300 • Fax: (781) 401-2575

File  
UXO EE/CA

July 9, 2001

Major David Sheets  
CEHNC-PM-EO  
U.S. Army Corps of Engineers  
Engineering and Support Center, Huntsville  
4820 University Square  
Huntsville, AL 35816-1822

**SUBJECT: Period 21 Monthly Progress Report, for the Period Ending June 29, 2001, for OE-EE/CA Activities, Task Order 52 at the Seneca Army Depot Activity (SEDA) under Contract DACA87-95-D-0018**

Dear Major Sheets:

Parsons Engineering Science, Inc. (Parsons) is pleased to submit Progress Report Number 21 for the period of May 26 through June 29, 2001 for the above referenced contract and delivery order. This report is based on the Mod 2 scope and the out-of-scope work that Parsons performed under the direction of CEHNC. The out-of-scope tasks were to be negotiated under Mod 3, but this modification was never finalized.

**Work Conducted:**

Parsons has divided the 21 tasks under the Scope of Work (SOW) into three (3) Work Breakdown Structures (WBS) as follows:

- WBS 01000, fieldwork tasks (in-scope tasks 1, 2, 4, 5, 6, 7, 8, 9, 10, 11, 12, and 13; and out-of-scope tasks 14.1, 14.2, and 14.3)
- WBS 02000, report writing (Tasks 3, 15, 16, 17, 18, and 21)
- WBS 03000, project and program management tasks (Tasks 19 and 20).

WBS 01000

All of the field work tasks have been completed. No work was performed on this WBS during the last period.



WBS 02000

*Task 17, Prepare EE/CA Report.* Parsons responded to comments on the Draft EE/CA Report from the EE/CA Review Board. A copy of the response to comments was sent to Mr. Kevin Healy for review. Parsons produced the Draft Final EE/CA Report by addressing and responding to these comments.

WBS 03000

*Task 20, Meetings and Project Management.* Parsons maintained a low level of project management support, consisting of preparing the monthly Progress Report.

**Project Activities for Next Period:**

Parsons will work on the following activities during the next period:

1. After initial review by Mr. Kevin Healy, the Draft Final EE/CA Report will be revised, if necessary, and submitted for regulatory review.
2. Parsons will maintain a low level of project management support.

**Contract Sufficiency:**

The contract value is sufficient at this time.

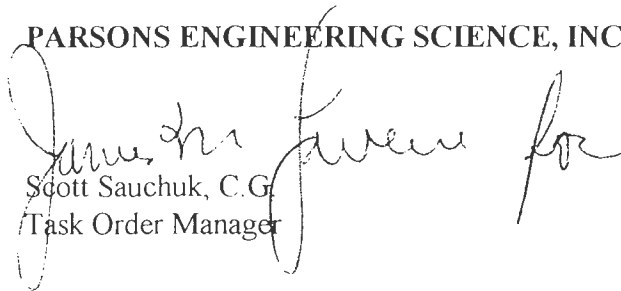
WBS	Budget less Fee	Percent Complete	Spent to Date	Percent Spent
01000	\$ 1,240,182	100	\$ 1,344,752	108
02000	\$ 345,965	76	\$ 93,499	27
03000	\$ 134,622	80	\$ 131,406	98
Total	\$ 1,720,769	94	\$ 1,569,657	91

Major David Sheets  
July 9, 2001  
Page 3

If you have any questions or comments regarding this progress report, please contact me at (781) 401-2307.

Sincerely,

**PARSONS ENGINEERING SCIENCE, INC.**



Scott Sauchuk, C.G.  
Task Order Manager

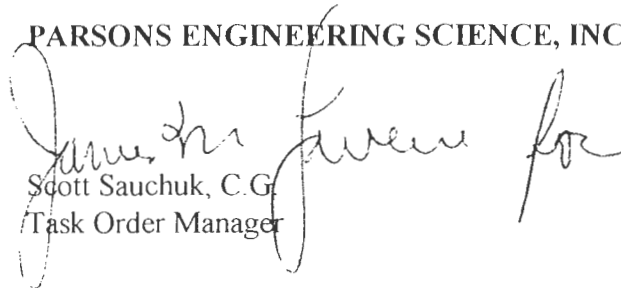
cc: Mr. Kenneth Stockwell, Program Manager, Parsons Engineering Science, Atlanta  
Mr. Michael Duchesneau, Parsons Engineering Science, Inc., Boston  
Mr. James Lowerre, Parsons Engineering Science, Inc., Boston  
Mr. Stephen Absolom, Seneca Army Depot Activity  
Mr. Randall Battaglia, CENAN, Seneca Army Depot Activity

Major David Sheets  
July 9, 2001  
Page 3

If you have any questions or comments regarding this progress report, please contact me at (781) 401-2307.

Sincerely,

**PARSONS ENGINEERING SCIENCE, INC.**



Scott Sauchuk, C.G.  
Task Order Manager

cc: Mr. Kenneth Stockwell, Program Manager, Parsons Engineering Science, Atlanta  
Mr. Michael Duchesneau, Parsons Engineering Science, Inc., Boston  
Mr. James Lowerre, Parsons Engineering Science, Inc., Boston  
Mr. Stephen Absalom, Seneca Army Depot Activity  
Mr. Randall Battaglia, CENAN, Seneca Army Depot Activity

SUMMARY

		Ending Date: Jun-29-01											
WORK TASK	Breakdown	Total											
			Sep 99	Oct 99	Nov 99	Dec 99	Jan '00	Feb '00	Mar '00	Apr '00	May '00	Jun '00	
Approved Monthly	Hours	11,332	0	303	243	243	1,173	353	353	1,793	1,903	403	
	Burdened labor	\$745,313	\$0	\$19,929	\$15,982	\$15,982	\$77,149	\$23,217	\$23,217	\$117,927	\$125,162	\$26,506	
	Subcontracts	\$676,843	\$0	\$10,514	\$1,814	\$1,814	\$8,444	\$334	\$334	\$187,334	\$201,534	\$36,734	
	CD's	\$298,613	\$0	\$3,335	\$5,525	\$5,525	\$5,905	\$1,755	\$1,755	\$73,685	\$110,285	\$11,295	
	Avg Labor Rate	\$1,720,769	\$0	\$33,778	\$23,321	\$23,321	\$91,498	\$25,306	\$25,306	\$378,946	\$436,981	\$74,535	
Cumulative	Hours	0	303	546	789	1,962	2,315	2,668	4,461	6,364	6,767		
	Burdened labor	\$0	\$19,929	\$35,911	\$51,893	\$129,042	\$152,259	\$175,476	\$293,403	\$418,564	\$445,070		
	Subcontracts	\$0	\$10,514	\$12,328	\$14,142	\$22,586	\$22,920	\$23,254	\$210,588	\$412,122	\$448,856		
	CD's	\$0	\$3,335	\$8,860	\$14,385	\$20,290	\$22,045	\$23,800	\$97,485	\$207,770	\$219,065		
	BCWS	\$0	\$33,778	\$57,099	\$80,420	\$171,918	\$197,224	\$222,530	\$601,476	\$1,038,456	\$1,112,991		
Actual Monthly	Hours		193	169	146	313	407	427	179	337	362		
	Burdened labor		\$15,942	\$14,442	\$9,026	\$18,901	\$31,178	\$29,366	\$12,764	\$23,305	\$21,699		
	Subcontracts		\$0	\$0	\$0	\$0	\$5,900	\$5,956	\$1,941	\$0	\$0		
	CD's		\$647	\$3,301	\$4,65	\$4,230	\$4,033	\$6,777	\$301	\$5,299	\$1,456		
	Unbilled CD's		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
	Unbilled Subs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
	Avg Labor Rate		\$82,600	\$85,26	\$61,95	\$60,44	\$76,53	\$68,77	\$71,29	\$69,15	\$59,94		
	ACWP		\$16,589	\$17,744	\$9,491	\$23,130	\$41,111	\$42,099	\$15,006	\$28,604	\$23,154		
	Hours		193	362	508	821	1,228	1,655	1,834	2,171	2,533		
	Burdened labor		\$15,942	\$30,384	\$39,411	\$58,311	\$89,489	\$118,855	\$131,619	\$154,924	\$176,622		
Subcontracts		\$0	\$0	\$0	\$0	\$5,900	\$11,856	\$13,797	\$13,797	\$13,797			
CD's		\$647	\$3,948	\$4,413	\$8,642	\$12,675	\$19,453	\$19,754	\$25,053	\$26,509			
% Complete		2%	3%	3%	5%	7%	8%	9%	10%	10%			
Unbilled CD's		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0			
Unbilled Subs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0			
ACWP		\$16,589	\$34,333	\$43,823	\$66,954	\$108,064	\$150,163	\$165,169	\$193,774	\$216,928			
BCWP		\$25,853	\$35,351	\$51,623	\$90,925	\$123,620	\$135,115	\$151,970	\$156,196	\$168,154			
ETC			\$1,694,916	\$1,685,418	\$1,669,146	\$1,629,844	\$1,597,149	\$1,585,654	\$1,568,799	\$1,564,573	\$1,552,615		
Percent Spent			1%	2%	3%	4%	6%	9%	10%	11%	13%		

SUMMARY

	Jul 00	Aug 00	Sep 00	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01
	403	403	403	403	233	239	493	493	493	493	509	509
\$26,506	\$26,506	\$26,506	\$26,506	\$15,325	\$15,325	\$15,719	\$32,425	\$32,425	\$32,425	\$32,425	\$33,477	\$33,477
\$36,734	\$36,734	\$36,734	\$36,734	\$18,794	\$18,794	\$18,784	\$8,694	\$8,694	\$8,694	\$8,704	\$8,687	\$8,687
\$11,295	\$11,295	\$11,295	\$11,295	\$6,045	\$6,045	\$6,032	\$4,455	\$4,455	\$4,455	\$4,471	\$4,471	\$4,471
\$65,777	\$65,777	\$65,777	\$65,777	\$65,777	\$65,777	\$65,777	\$65,777	\$65,777	\$65,777	\$65,777	\$65,777	\$65,777
\$4,535	\$4,535	\$4,535	\$4,535	\$4,064	\$4,064	\$4,053	\$4,574	\$4,574	\$4,584	\$4,635	\$4,635	\$4,635
1170	1173	1176	1179	8612	8612	8851	9344	9337	10330	10823	11332	11332
\$1,576	\$1,581	\$1,587	\$1,592	\$566,417	\$566,417	\$582,136	\$614,561	\$646,986	\$679,411	\$711,836	\$745,313	\$783,843
\$185,590	\$185,590	\$185,590	\$185,590	\$614,586	\$614,586	\$633,370	\$642,064	\$650,758	\$659,452	\$668,156	\$676,843	\$685,537
\$230,360	\$230,360	\$230,360	\$230,360	\$270,290	\$270,290	\$276,245	\$280,777	\$285,232	\$289,687	\$294,142	\$298,613	\$298,613
\$1,387,526	\$1,387,526	\$1,387,526	\$1,411,129	\$1,451,293	\$1,491,828	\$1,532,976	\$1,574,134	\$1,615,292	\$1,656,450	\$1,697,608	\$1,738,766	\$1,779,924
1157	1160	1163	1166	621	621	723	371	364	213	75	54	351
\$59,019	\$59,019	\$59,019	\$59,019	\$32,155	\$32,155	\$37,052	\$21,824	\$23,222	\$16,498	\$5,315	\$3,921	\$2,527
\$0	\$0	\$0	\$0	\$183,773	\$183,773	\$128,710	\$0	\$16,713	\$25,447	\$39,676	\$0	\$0
\$5,563	\$5,563	\$5,563	\$5,563	\$38,748	\$38,748	\$31,786	\$24,247	\$7,814	\$6,784	\$7,710	\$8,649	\$3,912
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$51,02	\$51,02	\$51,02	\$51,36	\$51,80	\$51,80	\$51,23	\$58,90	\$64,62	\$71,35	\$77,95	\$84,55	\$91,15
\$61,583	\$61,583	\$61,583	\$255,918	\$54,676	\$54,676	\$192,548	\$46,071	\$198,509	\$48,729	\$52,701	\$12,571	\$30,132
3,690	3,691	3,692	4,199	8,120	8,120	8,813	9,214	9,578	9,991	9,866	9,920	10,270
\$235,642	\$235,642	\$235,642	\$423,442	\$455,359	\$492,649	\$514,473	\$537,994	\$554,492	\$559,807	\$563,28	\$589,948	\$589,948
\$13,797	\$13,797	\$13,797	\$200,356	\$384,129	\$507,839	\$507,839	\$675,839	\$700,458	\$740,134	\$740,134	\$740,134	\$740,134
\$32,072	\$32,072	\$32,072	\$127,667	\$166,416	\$198,202	\$222,449	\$230,263	\$237,048	\$244,577	\$253,407	\$257,319	\$257,319
186	186	186	429	506	506	526	588	659	888	899	909	939
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$281,210	\$281,210	\$281,210	\$195,517	\$1,006,141	\$1,006,141	\$1,128,689	\$1,244,760	\$1,442,269	\$1,491,998	\$1,544,699	\$1,555,270	\$1,587,401
\$305,938	\$305,938	\$305,938	\$529,577	\$866,696	\$866,696	\$896,287	\$1,003,594	\$1,117,991	\$1,161,362	\$1,211,058	\$1,245,753	\$1,266,338
\$1,414,831	\$1,414,831	\$1,414,831	\$1,414,831	\$854,073	\$854,073	\$830,512	\$717,175	\$602,778	\$204,407	\$189,711	\$175,016	\$144,431
169	169	169	449	589	589	608	726	846	876	906	926	926

SUMMARY

	BCWS	BCWP	ACWP	SV	CV	BAC	ETC	EAC	VAC
Hours	11332	10578	10270						
Burdened Labor	\$745,313	\$695,750	\$589,948						
Subcontracts	\$678,813	\$631,833	\$740,134						
CDCS	\$298,613	\$278,751	\$25,319						
Unbilled CDCS			\$0						
Unbilled Subs			\$0						
Total	\$1,722,739	\$1,606,338	\$1,584,401	-\$114,431	\$18,937	\$1,720,769	\$114,431	\$1,701,832	\$18,937

SUMMARY

	Month	Cumulative
Budgeted Hours	509	11,332
Actual Hours	351	10,270
Budgeted Avg. Rate	\$65.77	\$65.77
Actual Avg. Rate	\$74.77	\$57.44



TASK 1

WORK TASK	TASK 1 Fieldwork		Starting date:		Ending Date:		Oct-01-99		Dec-31-00		
	Breakdown	Total	Oct/99	Nov/99	Dec/99	Jan/00	Feb/00	Mar/00	Apr/00	May/00	Jun/00
Approved Monthly	Hours	6,216	240	180	180	0	0	0	1,730	1,810	340
	Burdened labor	\$362,415	\$13,994	\$10,496	\$10,496	\$0	\$0	\$0	\$100,874	\$107,287	\$19,825
	Subcontracts	\$620,260	\$10,180	\$1,480	\$1,480	\$0	\$0	\$0	\$187,000	\$201,200	\$36,400
	ODC's	\$257,487	\$2,550	\$4,740	\$4,740	\$0	\$0	\$0	\$72,900	\$109,500	\$10,510
	Avg Labor Rate	\$8.31	\$8.31	\$8.31	\$8.31	#DIV/0!	#DIV/0!	#DIV/0!	\$8.31	\$8.31	\$8.31
	BAC	\$1,240,182	\$26,724	\$16,716	\$16,716	\$0	\$0	\$0	\$360,774	\$417,987	\$66,735
Cumulative	Hours		240	420	600	600	600	600	2,330	4,170	4,510
	Burdened labor		\$13,994	\$24,490	\$34,985	\$34,985	\$34,985	\$34,985	\$135,859	\$243,146	\$262,971
	Subcontracts		\$10,180	\$11,660	\$13,140	\$13,140	\$13,140	\$13,140	\$200,140	\$401,340	\$437,740
	ODC's		\$2,550	\$7,290	\$12,030	\$12,030	\$12,030	\$12,030	\$81,930	\$194,430	\$204,940
	BCWS		\$26,724	\$33,440	\$60,155	\$60,155	\$60,155	\$60,155	\$420,929	\$838,916	\$905,651
	Hours		8"	113	96	286	186	20"	59	188	259
Actual Monthly	Burdened labor	\$7,069	\$8,379	\$5,011	\$15,899	\$10,757	\$10,343	\$2,814	\$9,976	\$0	\$12,058
	Subcontracts	\$479	\$2,794	\$284	\$4,069	\$3,988	\$5,349	\$204	\$4,889	\$0	\$10,050
	ODC's										
	Unbilled ODC's										
	Unbilled Subs										
	Avg Labor Rate		\$81.25	\$74.15	\$52.20	\$55.69	\$57.99	\$49.97	\$47.70	\$53.20	\$46.56
Cumulative	ACWP	\$7,548	\$11,173	\$5,295	\$19,968	\$20,644	\$21,648	\$21,648	\$4,960	\$14,865	\$33,108
	Hours		8"	200	296	582	76"	974	1,033	1,221	1,480
	Burdened labor	\$7,069	\$15,448	\$20,459	\$36,358	\$47,114	\$57,458	\$60,272	\$60,272	\$70,248	\$82,306
	Subcontracts	\$0	\$0	\$0	\$0	\$11,856	\$13,797	\$13,797	\$13,797	\$13,797	\$13,797
	ODC's	\$479	\$3,273	\$3,557	\$7,826	\$11,814	\$16,963	\$17,168	\$22,057	\$23,110	\$23,110
	% Complete		1720%	2%	3%	5%	6%	6%	6%	6%	6%
ETC	Unbilled ODC's	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Unbilled Subs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	ACWP	\$7,548	\$18,720	\$21,016	\$43,984	\$61,628	\$86,377	\$91,236	\$106,101	\$119,209	\$133,441
	BCWP	\$21,331	\$26,292	\$42,662	\$63,497	\$86,970	\$117,321	\$146,480	\$176,685	\$206,480	\$236,441
	ETC	\$1,218,851	\$1,213,890	\$1,197,520	\$1,176,685	\$1,173,212	\$1,173,212	\$1,173,212	\$1,161,480	\$1,161,480	\$1,153,711
	Percent Spent		1%	2%	2%	4%	5%	6%	6%	6%	6%

TASK1

	Jul/00	Aug/00	Sep/00	Oct/00	Nov/00	Dec/00	Jan/01	Feb/01	Mar/01	Apr/01	May/01	Jun/01
	340	340	340	340	170	176						
	\$19,825	\$19,825	\$19,825	\$19,825	\$9,912	\$10,262						
	\$36,400	\$36,400	\$36,400	\$36,400	\$18,460	\$18,450						
	\$10,510	\$10,510	\$10,510	\$10,510	\$5,260	\$5,241						
	\$8,311	\$8,311	\$8,311	\$8,311	\$8,311	\$8,311						
	\$66,735	\$66,735	\$66,735	\$66,735	\$33,632	\$33,959						
	1,850	5,190	5,530	5,870	6,040	6,216						
	\$282,796	\$302,621	\$322,445	\$342,270	\$352,183	\$362,445						
	\$41,410	\$510,540	\$546,940	\$583,340	\$601,800	\$620,250						
	\$215,450	\$225,990	\$236,470	\$246,980	\$257,481	\$267,981						
	\$92,386	\$1,039,171	\$1,105,855	\$1,172,590	\$1,206,223	\$1,240,182						
	1,103	1,361	1,458	834	552	660	294	40	5	1	0	-322
	\$53,701	\$62,782	\$70,081	\$38,899	\$25,173	\$31,729	\$15,180	\$2,050	\$2,541	\$80	\$0	-\$16,499
	\$0	\$0	\$0	\$186,559	\$183,773	\$123,710	\$0	\$16,173	\$25,441	\$39,676	\$0	\$0
	\$5,104	\$17,752	\$53,193	\$21,874	\$38,646	\$31,712	\$24,164	\$4,913	\$6,569	\$5,911	\$5,293	\$332
	\$18,71	\$16,13	\$15,08	\$16,67	\$15,64	\$18,06	\$51,68	\$51,24	\$50,84	\$80,38		\$51,24
	\$69,111	\$89,531	\$123,280	\$217,332	\$247,592	\$187,151	\$39,345	\$174,136	\$32,270	\$45,667	\$5,293	-\$16,167
	2,582	3,913	5,401	6,234	6,786	7,446	7,740	7,980	7,985	7,786	7,786	7,464
	\$136,013	\$198,795	\$268,881	\$307,780	\$332,953	\$364,682	\$379,862	\$381,912	\$382,166	\$382,246	\$382,246	\$365,471
	\$13,797	\$13,797	\$200,356	\$384,129	\$384,129	\$507,639	\$507,639	\$675,012	\$700,458	\$740,134	\$740,134	\$740,134
	\$28,511	\$16,263	\$99,156	\$121,330	\$159,976	\$191,688	\$215,853	\$220,766	\$222,335	\$233,245	\$238,539	\$238,871
	18%	36%	36%	51%	63%	65%	65%	65%	65%	65%	65%	100%
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$178,321	\$258,855	\$382,131	\$629,466	\$877,058	\$1,064,209	\$1,103,554	\$1,177,689	\$1,309,959	\$1,355,626	\$1,360,919	\$1,344,752
	\$24,361	\$113,675	\$443,675	\$631,997	\$778,400	\$800,165	\$800,165	\$1,179,537	\$1,179,537	\$1,179,537	\$1,179,537	\$1,240,182
	\$1,015,821	\$796,507	\$908,185	\$908,185	\$461,782	\$440,017	\$440,017	\$440,017	\$60,645	\$60,645	\$60,645	\$0
	11%	21%	31%	51%	71%	86%	89%	103%	106%	109%	110%	108%

TASK1

	BCWS	BCWP	ACWP	SV	CV	BAC	ETC	EAC	VAC
Hours	0	6216	7464						
Burdened Labor	\$0	\$362,445	\$365,747						
Subcontracts	\$0	\$620,250	\$740,134						
CDs	\$0	\$257,487	\$238,871						
Unbilled CDs			\$0						
Unbilled Subs			\$0						
Total	\$0	\$1,240,182	\$1,344,752	\$1,240,182	-\$104,570	\$1,240,182	\$0	\$1,344,752	-\$104,570

TASK1

	Month	Cumulative
Budgeted Hours	0	0
Actual Hours	-322	7,464
Budgeted Avg. Rate	\$0.00	\$0.00
Actual Avg. Rate	\$51.24	\$49.00

TASK2

TASK 2: Report Preparation												
Starting date:		Jan-01-00										
Ending Date:		May-31-01										
WORK TASK	Breakdown	Total	Sep/99	Oct/99	Nov/99	Dec/99	Jan/00	Feb/00	Mar/00	Apr/00	May/00	Jun/00
Approved Monthly	Hours	3,856					1,110	290	290			
	Burdened labor	\$270,620					\$77,902	\$20,353	\$20,353	\$0	\$0	\$0
	Subcontracts	\$49,922					\$8,110					
	ODC's	\$25,423					\$5,120	\$970	\$970			
	Avg Labor Rate						70.18	70.18	70.18	#DIV/0!	#DIV/0!	#DIV/0!
	BAC	\$345,965					\$91,132	\$21,323	\$21,323	\$0	\$0	\$0
Cumulative	Hours						1,110	1,400	1,690	1,690	1,690	1,690
	Burdened labor						\$77,902	\$98,254	\$118,607	\$118,607	\$118,607	\$118,607
	Subcontracts						\$8,110	\$8,110	\$8,110	\$8,110	\$8,110	\$8,110
	ODC's						\$5,120	\$6,090	\$7,060	\$7,060	\$7,060	\$7,060
	BCWS						\$91,132	\$112,454	\$133,777	\$133,777	\$133,777	\$133,777
Actual Monthly	Hours		0	0	0	0	44	16	68	110	55	
	Burdened labor		\$0	\$0	\$0	\$0	\$4,802	\$1,815	\$5,163	\$8,932	\$4,173	
	Subcontracts		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	ODC's		\$0	\$0	\$0	\$0	\$0	\$963	\$10	\$32	\$392	
	Unbilled ODCs											
	Unbilled Subs											
	Avg Labor Rate							\$109.13	\$113.43	\$75.93	\$81.20	\$75.87
Cumulative	ACWP		\$0	\$0	\$0	\$0	\$4,802	\$2,778	\$5,173	\$8,964	\$4,565	
	Hours		0	0	0	0	44	60	128	238	293	
	Burdened labor		\$0	\$0	\$0	\$0	\$4,802	\$6,616	\$11,779	\$20,711	\$24,884	
	Subcontracts		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	ODC's		\$0	\$0	\$0	\$0	\$0	\$963	\$973	\$1,005	\$1,397	
	% Complete		0%	0%	0%	4%	11%	12%	13%	13%	14%	
	Unbilled ODCs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	Unbilled Subs		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	ACWP		\$0	\$0	\$0	\$0	\$4,802	\$7,580	\$12,753	\$21,716	\$26,281	
	BCWP		\$0	\$0	\$0	\$12,109	\$38,748	\$41,170	\$43,592	\$46,013	\$48,435	
	ETC			\$345,965	\$345,965	\$345,965	\$333,856	\$307,217	\$304,795	\$302,373	\$299,952	\$297,530
	Percent Spent			0%	0%	0%	0%	1%	2%	4%	6%	8%

TASK2

	Jul/00	Aug/00	Sep/00	Oct/00	Nov/00	Dec/00	Jan/01	Feb/01	Mar/01	Apr/01	May/01	Jun/01
\$0		\$0	\$0	\$0	\$0	\$0	\$30,178	\$30,178	\$30,178	\$30,178	\$30,178	\$30,178
							\$8,360	\$8,360	\$8,360	\$8,370	\$8,362	\$8,362
							\$3,670	\$3,670	\$3,670	\$3,670	\$3,683	\$3,683
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	70.18	70.18	70.18	70.18	70.18	70.18
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$42,208	\$42,208	\$42,208	\$42,218	\$43,346	\$43,346
1,690	1,690	1,690	1,690	1,690	1,690	1,690	2,120	2,350	2,980	3,410	3,856	3,856
\$118,607	\$118,607	\$118,607	\$118,607	\$118,607	\$118,607	\$118,607	\$148,785	\$178,963	\$209,141	\$239,319	\$270,620	\$270,620
\$8,110	\$8,110	\$8,110	\$8,110	\$8,110	\$8,110	\$8,110	\$16,470	\$24,830	\$33,190	\$41,560	\$49,922	\$49,922
\$7,060	\$7,060	\$7,060	\$7,060	\$7,060	\$7,060	\$7,060	\$10,730	\$14,400	\$18,070	\$21,740	\$25,423	\$25,423
\$133,777	\$133,777	\$133,777	\$133,777	\$133,777	\$133,777	\$133,777	\$175,985	\$218,193	\$260,401	\$302,619	\$345,965	\$345,965
0	0	0	0	0	0	0	0	247	147	54	37	489
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,922	\$10,709	\$4,012	\$2,735	\$2,7386
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$29	\$238	\$0	\$0	\$0	\$0	\$0	\$0	\$2,617	\$135	\$0	\$3,195	\$241
\$29	\$238	\$0	\$0	\$0	\$0	\$0	\$0	\$6446	\$7285	\$7429	\$7391	\$3606
293	293	293	293	293	293	293	293	\$18,339	\$10,844	\$4,012	\$5,930	\$27,627
\$24,884	\$24,884	\$24,884	\$24,884	\$24,884	\$24,884	\$24,884	\$24,884	\$40,805	\$51,514	\$55,526	\$58,260	\$55,646
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$1,427	\$1,665	\$1,665	\$1,665	\$1,665	\$1,665	\$1,665	\$1,665	\$4,282	\$4,417	\$4,417	\$7,612	\$7,853
14%	14%	14%	14%	14%	14%	14%	44%	67%	70%	73%	76%	76%
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$26,549	\$26,549	\$26,549	\$26,549	\$26,549	\$26,549	\$26,549	\$26,549	\$45,087	\$55,931	\$59,942	\$65,872	\$93,499
\$48,435	\$48,435	\$48,435	\$48,435	\$48,435	\$48,435	\$48,435	\$150,495	\$22,834	\$243,040	\$253,246	\$263,452	\$263,452
\$297,530	\$297,530	\$297,530	\$297,530	\$297,530	\$297,530	\$297,530	\$195,470	\$113,131	\$102,925	\$92,719	\$82,513	\$82,513
8%	8%	8%	8%	8%	8%	8%	8%	13%	16%	17%	19%	27%

TASK2

	BCWS	BCWP	ACWP	SV	CV	BAC	ETC	EAC	VAC
Hours	3856	2936	1267						
Burdened Labor	\$270,620	\$216,077	\$85,646						
Subcontracts	\$49,922	\$38,016	\$0						
OD's	\$25,423	\$19,360	\$7,853						
Unbilled OD's			\$0						
Unbilled Subs			\$0						
Total	\$345,965	\$263,452	\$93,499	-\$82,513	\$169,953	\$345,965	\$82,513	\$176,012	\$169,953

TASK2

	Month	Cumulative
Budgeted Hours	446	3,856
Actual Hours	489	1,267
Budgeted Avg. Rate	\$70.18	\$70.18
Actual Avg. Rate	\$56.06	\$67.62



TASK3

TASK 3: Project Management												
Starting date:			Oct-01-99									
Ending Date:			May-31-01									
WORK TASK	Breakdown	Total	Sep/99	Oct/99	Nov/99	Dec/99	Jan/00	Feb/00	Mar/00	Apr/00	May/00	
Approved Monthly	Hours	1,260		63	63	63	63	63	63	63	63	
	Burdened labor	\$112,248		\$5,612	\$5,612	\$5,612	\$5,612	\$5,612	\$5,612	\$5,612	\$5,612	
	Subcontracts	\$6,671		\$334	\$334	\$334	\$334	\$334	\$334	\$334	\$334	
	ODC's	\$15,703		\$785	\$785	\$785	\$785	\$785	\$785	\$785	\$785	
	Avg Labor Rate			89.09	89.09	89.09	89.09	89.09	89.09	89.09	89.09	
	BAC	\$134,622		\$6,731	\$6,731	\$6,731	\$6,731	\$6,731	\$6,731	\$6,731	\$6,731	
Cumulative	Hours			63	126	189	252	315	378	441	504	
	Burdened labor			\$5,612	\$11,225	\$16,837	\$22,450	\$28,062	\$33,674	\$39,287	\$44,899	
	Subcontracts			\$334	\$668	\$1,002	\$1,336	\$1,670	\$2,004	\$2,338	\$2,672	
	ODC's			\$785	\$1,570	\$2,355	\$3,140	\$3,925	\$4,710	\$5,495	\$6,280	
	BCWS			\$6,731	\$13,463	\$20,194	\$26,926	\$33,657	\$40,388	\$47,120	\$53,851	
	Actual Monthly	Hours			106	56	50	27	178	204	52	40
Burdened labor				\$8,873	\$6,064	\$4,015	\$3,002	\$15,620	\$17,207	\$4,787	\$4,398	
Subcontracts				\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
ODC's				\$168	\$508	\$180	\$160	\$45	\$165	\$87	\$378	
Unbilled ODC's												
Unbilled Subs												
Avg Labor Rate				\$83.71	\$107.51	\$80.79	\$110.37	\$87.80	\$84.35	\$91.96	\$111.33	
ACWP				\$9,041	\$6,571	\$4,196	\$3,162	\$15,665	\$17,672	\$4,873	\$4,776	
Cumulative	Hours			106	162	212	239	417	621	673	713	
	Burdened labor			\$8,873	\$14,937	\$18,952	\$21,954	\$37,573	\$54,781	\$59,567	\$63,965	
	Subcontracts			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	ODC's			\$168	\$676	\$856	\$1,016	\$1,061	\$1,526	\$1,613	\$1,991	
	% Complete			3%	7%	10%	11%	13%	20%	22%	23%	
	Unbilled ODC's			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	Unbilled Subs			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	ACWP				\$9,041	\$15,612	\$19,808	\$22,970	\$38,635	\$56,307	\$61,180	\$65,956
	BCWP				\$4,413	\$8,825	\$13,238	\$15,105	\$17,770	\$26,655	\$29,321	\$31,098
	E.F.C.				\$130,179	\$125,737	\$121,294	\$119,517	\$116,852	\$107,967	\$105,301	\$103,524
	Percent Spent				7%	12%	15%	17%	29%	42%	45%	49%

TASK3

Jun/00	Jul/00	Aug/00	Sep/00	Oct/00	Nov/00	Dec/00	Jan/01	Feb/01	Mar/01	Apr/01	May/01	Jun/01
03	03	03	03	03	03	03	03	03	03	03	03	03
\$5,012	\$5,012	\$5,012	\$5,012	\$5,012	\$5,012	\$5,012	\$5,012	\$5,012	\$5,012	\$5,012	\$5,012	\$5,012
\$334	\$334	\$334	\$334	\$334	\$334	\$334	\$334	\$334	\$334	\$334	\$325	\$325
\$785	\$785	\$785	\$785	\$785	\$785	\$785	\$785	\$785	\$785	\$785	\$788	\$788
89.09	89.09	89.09	89.09	89.09	89.09	89.09	89.09	89.09	89.09	89.09	89.09	89.09
\$0.731	\$0.731	\$0.731	\$0.731	\$0.731	\$0.731	\$0.731	\$0.731	\$0.731	\$0.731	\$0.731	\$0.725	\$0.725
\$0	\$0	693	750	819	882	945	1,008	1,071	1,134	1,197	1,260	1,260
\$50,512	\$50,124	\$01,730	\$07,349	\$72,961	\$78,574	\$84,186	\$89,798	\$95,411	\$101,023	\$106,636	\$112,248	\$112,248
\$3,000	\$3,340	\$3,674	\$4,008	\$4,342	\$4,676	\$5,010	\$5,344	\$5,678	\$6,012	\$6,346	\$6,671	\$6,671
\$7,005	\$7,850	\$8,635	\$9,420	\$10,205	\$10,990	\$11,775	\$12,560	\$13,345	\$14,130	\$14,915	\$15,703	\$15,703
\$0,583	\$0,731	\$7,405	\$8,777	\$87,508	\$94,240	\$100,971	\$107,702	\$114,434	\$121,165	\$127,897	\$134,622	\$134,622
18	51	10	13	74	09	03	77	77	61	20	17	15
\$5,108	\$5,313	\$3,808	\$4,135	\$7,729	\$0,982	\$5,323	\$0,643	\$5,550	\$5,535	\$1,223	\$1,186	\$891
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$11	\$129	\$1,210	\$111	\$857	\$103	\$74	\$83	\$284	\$80	\$1,799	\$161	\$37
\$113.91	\$97.93	\$97.93	\$102.41	\$104.10	\$109.82	\$84.49	\$80.50	\$72.08	\$90.07	\$02.74	\$70.83	\$00.38
\$5,481	\$5,112	\$5,109	\$4,870	\$8,587	\$7,084	\$5,397	\$0,720	\$5,834	\$5,615	\$3,023	\$1,347	\$928
701	815	855	898	972	1,041	1,104	1,181	1,258	1,320	1,339	1,356	1,371
\$09,133	\$71,745	\$78,014	\$83,049	\$90,779	\$97,760	\$103,083	\$109,727	\$115,277	\$120,812	\$122,035	\$123,222	\$124,112
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$2,025	\$2,134	\$3,374	\$3,815	\$4,672	\$4,775	\$4,849	\$4,931	\$5,215	\$5,296	\$7,095	\$7,256	\$7,293
21%	21%	26%	28%	30%	30%	31%	40%	03%	70%	73%	77%	77%
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$71,137	\$70,879	\$81,988	\$80,801	\$95,451	\$102,535	\$107,932	\$114,058	\$120,492	\$126,108	\$129,130	\$130,478	\$131,406
\$32,875	\$32,875	\$35,540	\$37,317	\$39,983	\$39,983	\$41,760	\$53,310	\$85,081	\$94,101	\$98,543	\$102,986	\$102,986
\$101,747	\$101,747	\$99,082	\$97,305	\$94,030	\$94,030	\$92,862	\$81,312	\$49,541	\$40,521	\$36,079	\$31,036	\$31,036
57%	57%	61%	65%	71%	76%	80%	85%	90%	94%	96%	97%	98%

TASK3

	BCWS	BCWP	ACWP	SV	CV	BAC	ETC	EAC	VAC
Hours	1269	964	1371						
Burdened Labor	\$112,248	\$85,870	\$124,112						
Subcontracts	\$6,671	\$5,103	\$0						
GLC's	\$15,703	\$12,013	\$7,293						
Unbilled ODC's			\$0						
Unbilled Subs			\$0						
Total	\$134,622	\$102,986	\$131,406	-\$31,636	-\$28,420	\$134,622	\$31,636	\$163,042	-\$28,420

TASK3

	63	1,260
Budgeted Hours	15	1,371
Actual Hours	77	1,181
	\$89	\$89
Budgeted Avg. Rate	\$60.38	\$90.56
Actual Avg. Rate	\$86.56	\$92.91

Monthly Report

Jun-29-01						
WBS Number	Task Name	Percent Contribution		Percent Complete		Total
		Level 1	Level 2	Level 2	Level 1	
1	Fieldwork	72%				100.000%
1.1	Site Visit and Records Review		3%	100%		
1.2	Geophysical Test Plot		3%	100%		
1.3	OE Characterization EOD Range (SEAD-57)		12%	100%		
1.4	OE Characterization OD Area (SEAD-15)		12%	100%		
1.5	OE Characterization Demo Area (SEAD-)		11%	100%		
1.6	OE Characterization Bural Area (SEAD-)		2%	100%		
1.7	OE Characterization Grenade Range (SEAD-)		8%	100%		
1.8	OE Characterization Small Arms 3.5" Rocket Range (SEAD-16)		11%	100%		
1.9	OE Characterization EOD Area #3 (SEAD-)		4%	100%		
1.10	OE Characterization EOD Area #2 (SEAD-)		4%	100%		
1.11	OE Characterization Igloo Area (SEAD-53)		32%	100%		
2	Workplan and Report Preparation	20%				70%
2.1	EE/CA Workplan		14%	100%		
2.2	Data Consolidation for Liquid Storage Area (SEAD-43)		12%	100%		
2.3	Data Consolidation for QA Test Range (SEAD-44a)		12%	0%		
2.4	Institutional Analysis		12%	85%		
2.5	Risk Evaluation		22%	85%		
2.6	Prepare EE/CA Report		25%	85%		
2.7	Prepare Action Memo		3%	0%		
3	Project Management	8%				70.500%
3.1	Community Relations Support		31%	60%		
3.2	Meetings and Project Management		66%	85%		
Total Physical Percent Complete =						93%

Task #	Hours	Direct Labor (DL)	Labor Cost (DL * 2.3291)	ODCs	Sub Contractor	Unbilled ODCs	Unbilled Subs	% Comp	ACWP
1	322	\$708.4	16,499.34	\$332	\$0			100%	\$16,831.34
2	489	\$11758	27,386.02	\$241	\$0			77%	\$27,627.02
3	15	\$382	890.67	\$37	\$0			77%	\$928.67

Monthly Report

- 1.8 OE Char small arms 3.5 rekt ring (SEAD-46)
- 1.9 OE Char EOD area #3
- 1.10 OE Char EOD area #2
- 1.11 OE Char Igloo area (SEAD-53)
- 2.1 EE C/A Work Plan
- 2.2 Data consol for liq prep stor area (SEAD-43)
- 2.3 Data consol QA test ring (SEAD-44A)
- 2.4 Institutional analysis
- 2.5 Risk Evaluation
- 2.6 Prepare EE C/A Report
- 2.7 Prepare Action Memo
- 3.1 Community Relations support
- 3.2 Meetings and project management

File  
OE/EE/CA

July 9, 2002

Mr Marshall Green  
CEHNC-PM-EO  
U.S. Army Corps of Engineers  
Engineering and Support Center, Huntsville  
4820 University Square  
Huntsville, AL 35816-1822

**SUBJECT: Period 33 Monthly Progress Report for OE-EE/CA Activities at the Seneca Army Depot Activity (SEDA) under Contract DACA87-95-D-0018, Task Order 52**

Dear Mr. Green:

Parsons Engineering Science, Inc. (Parsons) is pleased to submit Progress Report Number 32 for the period of May 31, 2002 through June 30, 2002 for the above referenced contract and delivery order.

**Work Conducted:**

To simplify the tracking of costs, Parsons has divided the 21 tasks under the Scope of Work (SOW) into three (3) Work Breakdown Structures (WBS) as follows:

- WBS 01000, fieldwork tasks (In-scope tasks 1, 2, 4, 5, 6, 7, 8, 9, 10, 11, 12, and 13; and out-of-scope tasks 14.1, 14.2, and 14.3)
- WBS 02000, report writing (Tasks 3, 15, 16, 17, 18, and 21)
- WBS 03000, project and program management tasks (Tasks 19 and 20).

WBS 01000

All of the field work tasks have been completed. No work was performed on this WBS during the subject period of this report.

WBS 02000

The EPA and NYSDEC are reviewing the Draft OE EE/CA Report. Very little work was performed on this WBS during the subject period of this report. *Task 18, Prepare Action Memorandum*, remains to be completed.

WBS 03000

*Task 20, Meetings and Project Management.* Parsons maintained a low level of project management support, including preparing the monthly Progress Report.



**Project Activities for Next Period:**

Parsons will maintain a low level of project management support during the upcoming period, while waiting for comments on the Draft OE EE/CA Report (Sept. 2001) from NYSDEC and EPA. If comments are received, then Parsons will respond to them and issue the Draft Final OE EE/CA Report. The development of an Action Memorandum detailing how the EE/CA findings will be addressed by the Army remains to be completed pending Army decisions on what action to take.

**Contract Sufficiency:**

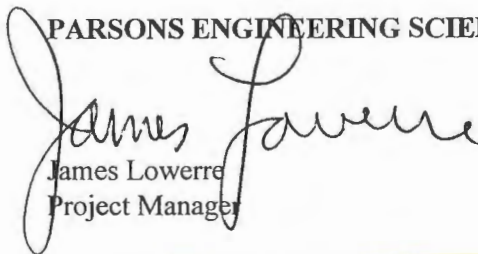
The contract value is sufficient at this time.

WBS	Budget less Fee	Percent Complete	Spent to Date	Percent Spent
01000	\$ 1,240,182	100	\$ 1,338,629	108
02000	\$ 345,965	90	\$ 102,394	30
03000	\$ 134,622	90	\$ 138,903	103
Total	\$ 1,720,769	97	\$ 1,579,927	92

If you have any questions or comments regarding this progress report, please contact me at (781) 401-2560.

Sincerely,

PARSONS ENGINEERING SCIENCE, INC.



James Lowerre  
Project Manager

cc: Mr. Stephen Absolom, Seneca Army Depot Activity  
Mr. Randall Battaglia, CENAN  
Mr. Kenneth Stockwell, Parsons, Atlanta  
Mr. Scott Sauchuk, Parsons, Boston



UNITED STATES  
ENVIRONMENTAL PROTECTION AGENCY  
REGION II  
290 BROADWAY  
NEW YORK, NY 10007-1866  
SPECIAL PROJECT BRANCH

Fax to  
Todd  
Kevin  
Randy  
Marshall

DATE: 7-15-02

TO: Stephen M. Absolom

FAX NUMBER: 607 869-1362 PHONE: \_\_\_\_\_

FROM: Julio Vazquez

FAX NUMBER: 212/637-3256 PHONE \_\_\_\_\_

PAGES INCLUDING COVER SHEET: 11

COMMENTS:

File  
OE/  
ECLA

From the desk of...

EPA  
290 BROADWAY  
<New,NY>10007-1866



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 2  
290 BROADWAY  
NEW YORK, NY 10007-1866

1111 1 5 2002

Stephen M. Absolom  
**Seneca Army Depot Activity**  
Attn: BRAC Environmental Coordinator  
5786 State Route 96  
PO Box 9  
Romulus, NY 14541-0009

Re: *Draft Ordnance and Explosives Engineering Evaluation/Cost Analysis Report  
Seneca Army Depot, Romulus, NY*

Dear Steve:

This is in reference to the subject referenced document received by this office on March 26, 2002.

**GENERAL COMMENTS**

1. The definition of Ordnance/Explosives (OE) provided in EPA (2002) indicates that soil with greater than 10 percent by weight is considered to be explosive soil and presents an explosive hazard. The EE/CA does not indicate whether sampling of either soil and/or water was conducted to determine whether explosive soil is present in any of the investigated areas. This is a particular concern at open burn/open detonation (OB/OD) areas and ranges with high amounts of usage. In these areas, chunks of bulk explosives and munitions constituents can be widely dispersed. Much of SEDA will be conservation/recreation that may include camping with campfires. The EE/CA should state whether sampling for explosives has been or will be conducted at any of the sites investigated.
2. The methodologies used in this investigation do not appear to include any attempt to confirm and/or determine the boundaries of the contamination within each area of investigation (AOI). Lack of acceptable boundary information greatly adds to the uncertainty in the determination of the cost and sufficiency of the remedies proposed in

## Section 9.

In addition, the rationale for placement and investigation of grids was not provided. The rationale for selecting grids and specific methodology should be provided for all investigation techniques, including "mag and flag," grid-based, and meandering path investigations. In addition, the rationale for investigating with the selected technology should be included in the text (i.e., provide results of a geophysical prove-out).

3. A discussion of uncertainties inherent in the investigation was not provided. For example, regardless of the resources expended on an investigation, it is impossible to identify 100 percent of OE on a range. The text should discuss the uncertainties associated with this investigation. The discussion should include measures taken to reduce uncertainties, such as grid investigation strategy. In addition, if the uncertainty was deemed acceptable, the text should state the rationale for this decision.
4. A detailed description of various land features that could affect unexploded ordnance (UXO)/OE disposition was not provided. The following items should be added to the text and/or figures, and their affect on the disposition of UXO/OE should be discussed:
  - Background levels of ferrous metals in soil;
  - Location, composition, and depth of bedrock;
  - Location of the frost line;
  - Soil type and moisture content;
  - Depth and movement of ground and surface water;
  - Location of surface water, floodplains, and wetlands;
  - Depth of sediments in wetlands, ponds, and other flooded areas; and
  - Topography and vegetative cover.
5. The effect of standing water on the geophysical investigation was not stated. It is unclear whether geophysical investigations were performed in wet areas. The text should state whether geophysical investigations were performed in wet areas. If wet areas were avoided, the location of these areas should be included in the figures in Section 3, and a reason should be provided. In addition, the text should provide an analysis of technologies that can detect UXO/OE in these areas.
6. The Engineering Evaluation/Cost Analysis (EE/CA) does not include a general schedule for the removal. The schedule should include estimated start and completion times.

## SPECIFIC COMMENTS

1. Section 2.2.2.2, pages 2-2 through 2-5. This section provides a summary of activities that occurred at the various AOIs. This section should be revised to reflect a valid

Conceptual Site Model (CSM) that includes the criteria that were used to make decisions on whether an area was to be investigated further. The CSM should include all the hypotheses for each area and the proper boundary delineations and the uncertainty associated with this determinations, a graphical representation, table listing the ordnance related activity, the primary source of the expected contamination, etc., and should include a full narrative of each area.

2. **Section 2.2.2.2.2, page 2-3.** The description for SEAD-44A (QA Function Area) indicates that 40mm rifle-fired grenades were tested in this area. The description of this area does not mention a range or burial area associated with this area. The grenades were tested by firing; therefore, a range is likely present. In addition, burial areas are generally associated with these areas because of the nature of the testing. The text should indicate efforts to locate these areas.
3. **Section 2.2.2.2.8, page 2-4.** The text states that based on a comparison of aerial photographs, the area occupied by EOD #2 should actually be to the northwest of the position indicated by the Archives Search Report. It is unclear which area was investigated. The text should clarify that the correct area was investigated for the EE/CA.
4. **Section 2.7.7, page 2-9.** This section states that SEAD-43 was declared a No Defense Action Indicated (NDAI) site. This terminology is not appropriate. This term only applies, under USACE policy (versus DoD policy) to Formerly Used Defense Sites (FUDS). This is a Base Realignment and Closure (BRAC) site, and therefore this term does not apply and should be revised to the proper CERCLA terminology.
5. **Section 2.8, page 2-9.** This section indicates that previous removal actions occurred at SEAD-44A and SEAD-23. Additional information on these investigations should be provided. A brief description of the nature of the removal and the findings of the investigations should be provided in the text.
6. **Section 3.1.3, page 3-2.** This section provides information on the meandering path surveys. More information on the methodology for this type of survey is required, such as path spacing and how the spacing was determined. More detail should be added to this section.
7. **Section 3.6, page 3-4.** This section provides a general, qualitative description of the anomaly reacquisition process. In order to assess the uncertainty associated with this aspect of the investigation, the following quantitative information should be provided:
  - The search radius used by the reacquisition team around the anomaly waypoint provided by the geophysical analyst, including an indication of whether this radius was increased for the meandering path (single transect investigations; and

- A quantification of the term “close agreement” in the statement “...or if the response of the EM-61 over the pin-flag was not in close agreement with the geophysicist’s pick...”.

This information should be added to the text.

8. **Section 3.7.2, page 3-7.** The text does not indicate whether holes were “cleared” after removal of the suspected anomaly source (i.e., whether a geophysical detection device was used to determine whether the first metal item recovered in an excavation was in fact the only source of the anomalous response of the original geophysical survey). The text should indicate whether and how this procedure was applied to the intrusive investigation process.
9. **Section 3.7.4, page 3-8.** This section describes the results of the investigation in SEAD-45. This section fails to describe the 250-pound bomb (anomaly ID 45L11-11) that was recovered in this area. This section should be checked for completeness against the tables in Appendix C. This section should also indicate whether the items recovered during the investigation reflect the items expected from the Archives Search Report.
10. **Section 3.8.6, page 3-13.** This section provides information on the investigation conducted in EOD Area #3. Text on page 2-5 indicates that an ordnance disposal pit and ditch were present at the site. The pit is visible on Figure 3.15, and was not geophysically investigated, adding to the uncertainty associated with the response action. Efforts to investigate the pit and ditch at this site should be discussed in the text. In addition, these features should be labeled on Figures 3.15 and 3.16. These areas should be investigated if they can be located.
11. **Section 3.8.8.2, page 3-15.** This section states that the soil that was scraped off of SEAD-44A was mechanically sifted to remove all UXO and OE, and the soil was replaced. Other sections of the report indicate that this soil was stockpiled and has not been sifted. This inconsistency should be corrected. If the soil had been sifted to remove UXO and OE, the results of the sifting, including quantities of UXO and OE, should be provided in the text. In addition, the area that was scraped should be clearly shown on Figures 3.20 through 3.22

This section also provides the amount of UXO and OE found below the scraped area. OE depths are provided. It is unclear whether the depths provided are below the one-foot scrape or below the original ground surface. This should be clarified in the text and Appendix C.

12. **Section 3.8.9, page 3-15.** This section describes the investigation for SEAD-46. Text on page 2-4 indicates that rockets were fired into a berm in this area. The text does not mention this berm, and Figure 3.23 indicates that the berm was not investigated

geophysically. The text should clarify whether the berm was investigated. If it was not investigated, specific reference to the berm and expected overshoot areas should be included in Section 9.

13. **Section 3.8.12, page 3-16.** This section describes the investigation for SEAD-57. Text on page 2-4 indicates that shot holes were present in this area. The text on page 3-16 does not mention the shot holes. The text should clarify whether these shot holes were present and whether they were investigated.
14. **Section 3.8.14.** This section states that the magnitude of buried material in SEAD-45 was large so that only the 20 highest amplitude anomalies were picked for each grid, and that after two UXO items were found in one grid, excavation in that grid ceased. It is unclear whether an estimate of the buried material present was done. This information is important to determine reasonable costs for the removal.
15. **Figure 3.10.** This figure provides the area investigated in the Indian Creek Burial Area. The figure does not provide an overlay of site features as on the other figures. Site features should be overlain so that the area of investigation can be clearly identified.

In addition, the northern boundary of the area of investigation is as much as 60 feet south of Indian Creek Road. Burial pits or trenches could be clustered in the area directly adjacent to the road, therefore, justification should be provided for not extending the area of investigation north to Indian Creek Road.

16. **Figure 3.13.** This figure provides the area investigated in SEAD-17. Linear anomalies are present in grids 17A-3 and 17B-2. The nature of these anomalies should be explained in the text.
17. **Figure 3.17.** This figure provides the area investigated in EOD Area #2. Two linear anomalies are present on this figure. The nature of these anomalies should be explained in the text.
18. **Figures 3.24 and 3.25.** These figures provide the location of UXO and OE items recovered in SEAD-46. The majority of UXO and OE items were recovered in the southern portion of the area investigated. Three UXO and seven OE items were recovered from grids along the southern boundary of the area investigated. Therefore, the southern boundary of this area was not fully characterized. Based on this information, the area of removal should be extended further south of the area investigated.
19. **Figures 3.27 and 3.28.** These figures provide the location of UXO and OE items recovered in the Grenade Range. One UXO and twenty-one OE items were recovered from grids along the northern boundary of the area investigated, while twenty-three OE items were recovered from grids bordering the eastern boundary. Therefore, the northern

and eastern boundary of this area was not fully characterized. Based on this information, the area of removal should be extended further north and east of the area investigated.

20. **Figure 3.29.** This figure provides the geophysical results for SEAD-57. The meandering path investigation that was conducted for this area appears to extend north of this figure. If the primary objective of this investigation was another area, this area should be labeled on the figure; otherwise, the entire meandering path investigation should be shown on Figures 3.29, 3.30, and 3.31.

In addition, linear anomalies are present in grids 57E-17 (adjacent to an access road) and 57K-17. These anomalies should be explained in the text.

21. **Figure 3.32.** This figure provides the investigation area for SEAD-45, which includes a 1,800-foot radius around the open demolition berm to the north and west. The text should explain why the investigation radius was not extended to completely surround the berm.
22. **Section 4, page 4-1.** This section provides the qualitative risk assessment performed for the EE/CA. This section should be re-titled as "Ordnance and Explosive Risk Management" instead of the current title of "Risk Assessment," because there is no approved risk assessment methodology within DoD, nor has one been recently proposed for DoD-wide use or accepted by any outside agency. Re-titling this section to a less "policy type title" will lend itself to a better overall acceptance and general consensus because this section should provide an "Ordnance and Explosive Safety Hazard Assessment (ESHA)" with factors for land use etc., that will be used in a "Risk Management Decision." This technique has been used and proposed for other sites. Additionally, the term "risk" should be verified when used in this section to ensure that it contextually involves a "management decision point" as opposed to an "explosive safety hazard assessment decision point." This section should also reference the critical data elements that were used and the Data Quality Objectives for determinations of the various variables.
23. **Section 4, page 4-1.** The terms UXO and OE are being used indiscriminately within this section. It should be reviewed to verify that the correct terminology is being used in the correct context. OE includes all ordnance, unexploded ordnance and explosive residue; whereas, UXO only includes ordnance that has been "primed, armed, fuzed, employed and has failed to function as designed." Conversely, at SEAD-45 (Open Detonation Area), the UXO definition may only include ordnance that has "undergone unsuccessful demilitarization" and the status of the fuzing (armed/unarmed) can no longer be determined.

Additionally, there is no discussion or assessment of the hazards of explosive residues that do pose a long-term problem as opposed to the immediate problem that UXO poses.

This discussion should be provided in the text.

24. **Section 4.2.2.4, page 4-3.** This section describes the UXO density risk assessment factor. The methodology used to define “density” should be explicitly defined because the only DoD/USACE density calculations are based on an assumption of “homogeneity” in a given Area of Concern (AOC). This assumption has been shown by EPA’s Risk Methodology Lab (Las Vegas) not to be valid, and DoD has not been able to produce any site where “homogeneity” has been conclusively shown. Ordnance and UXO are, by the nature of their deployment, heterogeneous. The potential for recovering OE should be explained by way of a valid CSM.
25. **Table 4.2, page 4-2.** This table provides OE sensitivity risk factor definitions. This table should be revised to include a more accurate definition of the explosive safety hazards associated with all OE on the site. The table should conform to standard safety forms found in MIL-STD-882d. This table then could be expanded to a proper OE depth matrix with valid depth profiles to include the “frost heave” of the area, the proper clearance depth (based upon DoD 6055.9, Chapter 12 table on clearance depths as adjusted with valid rationale to site specific conditions) and tied to land use and the proper level of activity of the area.
26. **Section 4.2.3, page 4-3.** This section provides risk assessment factors associated with site characteristics. This section should be revised to implicitly delineate how determinations were made on accessibility. In addition, the section should include categories of engineering controls that will have to be maintained versus environmental controls.
27. **Section 4.3.3, page 4-5.** This section states that all UXO contained standard fuzing and that the ordnance sensitivity level in all AOIs with UXO is considered Category 2. Table 4.6 indicates that Category 3 (higher sensitivity) UXO items were recovered in SEAD-45, SEAD-46, and SEAD-57. This inconsistency should be corrected in the text. in Table 4.6, and Table 4.7.

Additional information on what fuzing was stored and used at SEDA is required. This information should include all of the 29 types of fuzes in the inventory and the types of weapon systems with which they were used.

28. **Section 4.3.5, page 4-5.** This section discusses OE depth. This section should include a valid depth matrix that also should relate to a valid geophysical prove-out and geophysical process validation of the selected geophysical instrument. This should also be referenced to the graphical and pictorial representation of the valid CSM for the site.
29. **Table 4.6, page 4-6.** This table indicates that the most sensitive ordnance item in SEAD-44A was identified as a 40mm grenade 6 g high explosive (HE) spotting charge,



but does not provide the nomenclature of the item recovered. The item description implies that it was a training round with a RDX spotting charge, but without explicit nomenclature the hazard severity category cannot be readily determined because 40mm grenades normally contain an “all ways acting fuze”. To date, no one with adequate and appropriate knowledge of ordnance would identify this as standard fuzing. The text should be revised.

30. **Table 4.7.** This table provides a summary of the qualitative risk assessment. A summary of overall risk based on a summation of all factors was not provided. This summary should be provided to easily determine the relative risk between sites.
31. **Section 5.3.2, page 5-2.** This section states that there is no current established stakeholder for any of the parcels that include areas investigated for this EE/CA. However, Figure 2.3 indicates that the area surrounding SEAD-43 and SEAD-44A is allocated for a prison. Therefore, the governmental body charged with building the prison is a stakeholder and should be discussed in the text throughout Section 5.
32. **Section 6, page 6-1.** This section identifies response action objectives. The scope of the response action was not clearly defined. An example scope would be OE clearance to the extent practicable. A response action scope should be clearly stated in the text.

In addition, the response action objectives are defined in this section. The objectives appear to pertain to the EE/CA investigation and not to the response action. The response action objectives should be revised to pertain to the response action. Refer to page 32 of EPA (1993) for additional guidance on preparing the response action scope and objectives.

33. **Section 7.3, page 7-4.** This section provides a description of the response alternatives. The description of each of the alternatives involving clearance should include the establishment of an ordnance-free “buffer” around each of the AOIs. The investigation performed for this EE/CA was not sufficient to determine the actual boundaries of the contamination within any of the AOIs.
34. **Section 7.3.4, page 7-6.** This section provides details on the clearance to depth of detection alternative. The depth of clearance should not be based on the capability of a not-yet-specified geophysical detection system, but rather on the intended future use of the area. Specifically, the required clearance depth should be determined for each AOI, based upon its future use, and then a geophysical technology and/or methodology then selected to obtain this depth of clearance. The text should be revised.
35. **Section 7.8.1, page 7-10.** This section states that the Indian Creek Burial Area, SEAD-53, and the Demo Range are designated for NDAI. SEAD-53 encompasses over 6,000 acres, all of which will become conservation/recreation with unrestricted access. One

ditch was investigated within this area. While there is some (small) chance that ordnance may have been dropped or abandoned along the ditch that was investigated, there is a much greater chance that ordnance may have been left in the storage igloos themselves. Additionally, if any of these igloos were used to store black powder, bulk explosives, or rocket propellant, then there is a potential for residual contamination in and around these buildings. This area has not been investigated thoroughly enough to qualify for NDAI.

In addition, the Demo Range was indicated for NDAI because no UXO or OE was recovered in this area. Text on Page 2-4 indicates that a 75 mm projectile was recovered during the investigation for the Archives Search Report. Table 3.1 indicates that 48 percent of the area within this range was investigated. Further justification for NDAI should be provided for this area.

36. **Section 9.2, page 9-1.** This section provides the recommended response actions for each AOI. Figures were provided for SEAD-45 and SEAD-57 to indicate the area of response/clearance. Figures for other AOIs were not provided. For example, SEAD-16 and SEAD-17 are proposed for clearance to 6 inches. It is unclear whether all grids will be cleared, or only the grids not cleared during the EE/CA investigation. This should be clarified in the text. Figures should be provided for each AOI indicating the area of clearance.

37. **Section 9.2.1, page 9-1.** This section states that while institutional controls were not chosen for any individual AOIs, basewide institutional controls should be implemented. The components of the basewide institutional controls are not provided. These controls should be provided in the text.

In addition, due to the density and areal extent of UXO/OE items in SEAD-44A, SEAD-46, the Grenade Range, and SEAD-45, it is unlikely that these areas can be cleared sufficiently to warrant unrestricted access. Institutional controls should be implemented for these individual AOIs.

38. **Section 9.2.2, page 9-1.** This section states that SEAD-16 will be cleared to 6 inches. Text on page 3-13 states that the area inside the fence surrounding SEAD-16 was not investigated due to cultural interference, such as drums, scrap metal, etc. The text should evaluate the detection technology for this area to determine whether the cultural interference can be eliminated or whether there is a detection technology that can reliably detect OE with the cultural interference in place. The cost estimate should also take this work into account.

39. **Section 9.2.3.3, page 9-2.** This section states that 19 acres surrounding the grenade range will be cleared to 6 inches based on the occurrence of OE within the grids on the edge of the grenade range. This statement cannot be substantiated because individual OE items were not differentiated as to their location for the meandering path investigation in

Appendix C. Additional text or tables are required to justify the 6-inch clearance.

40. **Figure 9.2.** This figure provides the area for excavation and mechanical sorting for SEAD-57. Other clearance methods, including clearance to 6 inches and clearance to depth were proposed for other areas within this AOI. These areas are not shown on Figure 9.2. These areas should be added to the figure.
41. **Appendix C, Anomaly Investigation Results.** This appendix provides a log of all UXO and OE items recovered. All anomalies, including false positives, should be presented in order to provide a more complete understanding of the past activities at the site. Also, it is not clear whether results from the "mag and flag" surveys have been included in these tables. This information should be added to the text or the Appendix.

A facsimile of this letter will be sent to you today. If you have any questions, please call me at (212) 637-4323.

Sincerely yours,



Julio F. Vazquez, RPM  
Federal Facilities Section

cc: A. Thorne, NYSDEC  
C. Bethoney, NYSDOH  
R. Scott, NYSDEC-Avon  
K. Healy, USACE-HD  
T. Heino, Parsons ES  
E. Kashdan, GF

March 2, 2000

File  
~~EE/CA~~ UXO  
EE/CA

Mr. Stephen M. Absolom  
ATTN: SIOSE-IE  
Seneca Army Depot Activity  
5786 State Rt. 96  
Romulus, NY 14541-5001

**SUBJECT: OE Engineering Evaluation/Cost Analysis (EE/CA) Request for Brush Clearing**

Dear Steve:

Here is the set of site maps for locations to be cleared for the Seneca Army Depot OE EE/CA investigation. Each map shows you the grid locations to be cleared at each site. The sites to be cleared include SEAD 57, SEAD 45, SEAD 46, SEAD 16, SEAD 17, the grenade range, the demolition range next to SEAD 57, the burial area near Indian Creek, EOD area # 3, and EOD area # 2. All of the sites are shown on the base map.

We would like the areas cleared in the following order:

- SEAD 57 (EOD Area #1)
- SEAD 46 (Rocket Range)
- Indian Creek Burial Area
- SEAD 16 (Popping Plant)
- SEAD 17 (Popping Plant)
- SEAD 45 (Open Detonation Area)
- Grenade Range
- EOD Area #2
- EOD Area #3
- Demolition Range

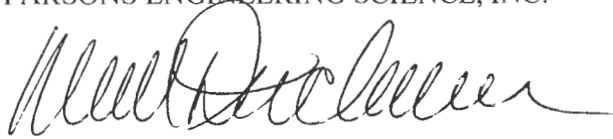
The areas have been chosen in order of approximately increasing clearance difficulty. We don't need each entire area cleared, just the areas shaded on the grids. However, it may be more efficient to clear the entire site area to be investigated or areas of it not specifically shaded if it's too much trouble to locate the grid squares; you can decide that out in the field. Note that the clearance areas must overlap the grid corners for it to be useful. We will have personnel on site doing grid location after the beginning of April, in which case they could work with the brush crew on siting grids where you have trouble locating the corners. It may not be possible to actually clear some of the thicker areas marked, especially in the Demo Range area (not SEAD-45); however, that's far enough down the road that we should have people on site to help with locating the grids when that happens.

You should be able to use the brush hog on all areas except the last three, where you will need the hydro-axe. Of course, you might want to use the hydro-axe on some of the other areas too, if you think it's efficient. We will be able to provide UXO escort services to your crew from our UXO subcontractor, USA Environmental Inc., whenever needed, provided we have more than two weeks notice. For safety purposes, your crew will have to participate in on-site safety training to be conducted by the Parson's safety officer; note also that brush clearance operations cannot be conducted without an on site safety officer present.

We would like to begin around the beginning of April; however, we could start sooner if you think the weather would permit and appropriate safety personnel can be arranged. Once you've have a chance to look at this we should talk to coordinate the brush clearing and the UXO safety operations. Should you have any questions, please do not hesitate to call me at (781) 401-2492.

Sincerely,

PARSONS ENGINEERING SCIENCE, INC.

A handwritten signature in black ink, appearing to read "Michael Duchesneau". The signature is fluid and cursive, with a large initial "M" and "D".

Michael Duchesneau, P.E.  
Project Manager

h:\eng\seneca\projmgt\letters\alpdprap.doc

**New York State Department of Environmental Conservation**  
**Division of Environmental Remediation**  
**Bureau of Eastern Remedial Action, 11th Floor**  
625 Broadway, Albany, New York 12233-7015  
**Phone:** (518) 402-9623 • **FAX:** (518) 402-9627  
**Website:** www.dec.state.ny.us



Erin M. Crotty  
Commissioner

FAX

Randy  
Kevin  
DAVE

TODD

SMA

May 3, 2002

Mr. Stephen Absolom  
Chief, Engineering and Environmental Division  
Seneca Army Depot Activity (SEDA)  
5786 State Route 96  
Romulus, NY 14541-5001

Re: Seneca Army Depot Activity  
NYS Inactive Hazardous Waste Disposal Site No. 8-50-006  
Draft Ordnance and Explosives Engineering Evaluation/ Cost Analysis Report

Dear Mr. Absolom,

The New York State Department of Environmental Conservation will not be providing comments on the above referenced Draft EE/CA Report dated September 2001 and received in this office on March 26, 2002, which describes the investigation and proposed clearance of unexploded ordinance (UXO) at the Seneca site. This decision is based on the fact that Department staff does not possess the expertise to make determinations on the adequacy of UXO investigation and clearance activities proposed by the Army. Instead, until such time as UXO guidelines are established, the Department will defer to the Army's technical expertise on explosive safety issues.

Having said that, the Department, however, needs to be kept informed and involved with UXO at SEDA as it relates to CERCLA issues. The Department should be made aware of and be provided the opportunity to comment on the UXO removals as they relate to CERCLA concerns at SEDA. For example, assessment of locations with UXO concerns should include chemical analysis for explosives and metals in addition to an investigation for the presence of ordinance. The BCT members should develop a working road map on how to handle these sites that have both UXO and CERCLA concerns.

A facsimile of this letter will be sent to you today. If you have any questions, please contact me at (518) 402-9623 or by email at [ajthorne@gw.dec.state.ny.us](mailto:ajthorne@gw.dec.state.ny.us)

Sincerely,

Alicia Thorne  
Bureau of Eastern Remedial Action  
Division of Environmental Remediation

cc: J. Vazquez, USEPA  
C. Bethoney, NYSDOH  
T. Caffoe, NYSDEC Region 8  
R. Scott, NYSDEC Region 8

EXTRA copy

**New York State Department of Environmental Conservation**  
**Division of Environmental Remediation**  
 Bureau of Eastern Remedial Action, 11th Floor  
 625 Broadway, Albany, New York 12233-7015  
 Phone: (518) 402-9623 • FAX: (518) 402-9627  
 Website: www.dec.state.ny.us



Erin M. Crotty  
Commissioner

Post-it* Fax Note		7671	Date	5/3/02	# of pages	2
To	Steve Absolom		From	AJ Thorne		
Co./Dept.			Co.			
Phone #			Phone #			
Fax #	(607) 869-1362		Fax #			

May 3, 2002

Mr. Stephen Absolom  
 Chief, Engineering and Environmental Division  
 Seneca Army Depot Activity (SEDA)  
 5786 State Route 96  
 Romulus, NY 14541-5001

Re: Seneca Army Depot Activity  
 NYS Inactive Hazardous Waste Disposal Site No. 8-50-006  
 Draft Ordnance and Explosives Engineering Evaluation/ Cost Analysis Report

Dear Mr. Absolom,

The New York State Department of Environmental Conservation will not be providing comments on the above referenced Draft EE/CA Report dated September 2001 and received in this office on March 26, 2002, which describes the investigation and proposed clearance of unexploded ordinance (UXO) at the Seneca site. This decision is based on the fact that Department staff does not possess the expertise to make determinations on the adequacy of UXO investigation and clearance activities proposed by the Army. Instead, until such time as UXO guidelines are established, the Department will defer to the Army's technical expertise on explosive safety issues.

Having said that, the Department, however, needs to be kept informed and involved with UXO at SEDA as it relates to CERCLA issues. The Department should be made aware of and be provided the opportunity to comment on the UXO removals as they relate to CERCLA concerns at SEDA. For example, assessment of locations with UXO concerns should include chemical analysis for explosives and metals in addition to an investigation for the presence of ordinance. The BCT members should develop a working road map on how to handle these sites that have both UXO and CERCLA concerns.

A facsimile of this letter will be sent to you today. If you have any questions, please contact me at (518) 402-9623 or by email at [ajthorne@gw.dec.state.ny.us](mailto:ajthorne@gw.dec.state.ny.us)

Sincerely,

Alicia Thorne  
 Bureau of Eastern Remedial Action  
 Division of Environmental Remediation



MODE = MEMORY TRANSMISSION

START=MAY-08 10:19

END=MAY-08 10:21

FILE NO. = 220

NO.	COM	ABBR/NTWK	STATION NAME/ TELEPHONE NO.	PAGES	PRG.NO.	PROGRAM NAME
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002	OK	<07>	COE HEALY	002/002		

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Sincerely,

Alicia Thorne  
 Bureau of Eastern Remedial Action  
 Division of Environmental Remediation

*FAX*  
*Randy*  
*Kevin*  
*DAVE*  
*TODD*  
*SMA*

OPTIONAL FORM 99 (7-90)

<b>FAX TRANSMITTAL</b>		# of pages <b>1</b>
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