NEW YORK STATE SUPERFUND STANDBY CONTRACT SOUTH HILL DUMP RI / LEHIGH REDESIGN

WORK ASSIGNMENT NO. D002478-45



Prepared for:

New York State
Department of
Environmental Conservation
Wolf Road, Albany, New York 12233
John P. Cahill, Acting Commissioner

LEHIBLH

Division of Environmental Remediation Michael J. O'Toole, Jr., Director

BY:

PARSONS ENGINEERING SCIENCE, INC.

Liverpool, New York



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# RESPONSES TO COMMENTS ON DRAFT WORK PLAN SOUTH HILL DUMP RI/LEHIGH REDESIGN WORK ASSIGNMENT NO. D002478-45

# SOUTH HILL DUMP PORTION OF WORK PLAN:

# Comment 1:

Only two quotes were obtained for the drilling/well installation work. A minimum of three quotes are still required even though Delta declined to bid.

# Response:

As directed by the Department, a third drilling cost estimate, prepared by the NYSDEC project manager, has been submitted with the revised work plan.

# Comment 2:

Task 2.3, Site preparation - Reduce to one Parsons ES employee to provide oversight and assist with brush clearing when the field trailer is delivered.

# Response:

The revised work plan includes this modification.

### Comment 3:

Task 2.5, Surface water and sediment sampling - Sample collection will be performed by the DEC. Samples will still be analyzed by the Parsons ES subcontractor.

## Response:

The revised work plan includes this modification.

### Comment 4:

Task 2.6, Soil borings and monitoring well installations - All well development will be performed by the DEC.

# Response:

The revised work plan includes this modification.

# Comment 5:

Task 2.7, Groundwater sampling - All sample collection will be performed by the DEC. Samples will be analyzed by the Parsons ES subcontractor.

# Response:

The revised work plan includes this modification.

### Comment 6:

While the above indicates a reduction in the level of effort, an additional task of data validation for all analytical samples is necessary.

# Response:

The revised work plan includes this modification.

### Comment 7:

The submittal also includes an increase of \$9,720 for the Work Plan Development costs, Task 1, for a total of \$21,720.36. Parsons ES has gone ahead with the procurement of all subcontracts for this project rather than wait for the finalization of the Work Plan, which account for the increase in the Work Plan Development costs. While the DEC project manager supports this increase, no further increase in work plan costs should be incurred.

# Response:

Agreed.

# Comment 8:

The analytical laboratory subcontract should be modified to include TCLP analysis for up to five samples.

# Response:

The revised work plan includes this modification.

## Comment 9:

The survey subcontractor deliverables should include the site survey in AutoCAD LT Release 2 or AutoCAD Release 13.

# Response:

The revised work plan includes this modification.

### LEHIGH RE-DESIGN PORTION OF WORK PLAN:

# Comment 1:

Subtask 4.3 Specifications, page 8: Within the text description of this subtask please have Parsons ES remove the phrase, "and to be used by the Department in a future proposed change order" from the second sentence.

# Response:

The phrase has been removed.

### Comment 2:

Subtask 4.4, Drafting Revisions, page 8: Within the text description of this subtask Parsons ES indicates in the third sentence that ten (10) sets of revised drawings should be provided. However, based on a recent amendment to this portion of the W.A., Parson's ES will provide the Department with 75 copies of the drawings and one (1) stamped copy of the contract book.

# Response:

The number of drawings and specifications have been revised. Schedule 2.11 (c and d) have been revised to include additional materials required for the final redesign as presented in two Parsons ES memoranda to Davis Chiusano of NYSDEC dated October 23 and 25, 1996, respectively.

### Comment 3:

Project Schedule: Please have Parsons ES revise the Lehigh - re-design portion of schedule so that specific dates are replaced by "weeks from Notice to Proceed", similar to schedule for the South Hill Dump site.

# Response:

The specific dates have been removed as suggested.

### Comment 4:

Work plan appears, in some sections, not to be distinct for each site, and thus confusing at times to review.

# Response:

The description of the work assignment budget assumptions was modified to clearly indicate that the South Hill Dump site RI will be conducted under Tasks 1 and 2 of the work assignment, and the Lehigh Redesign will be conducted under Tasks 3 and 4 of the work assignment.

### Comment 5:

Overall cost for Lehigh re-design is consistent with amended budget recently approved by Michael O'Toole. However, the budget for work plan development

has increased slightly, while the budget for the remaining tasks have been decreased the proportion. (Overall amended budget is the same, however).

# Response:

Agreed.

# TABLE 1 COST SUMMARY SOUTH HILL DUMP RI/LEHIGH REDESIGN

		DIRECT	DIRECT SALARY COSTS	INDIRECT SALARY COSTS	MATERIAL	TRAVEL	SUBTOTAL	FIXED FEE	SUBCONTRACT	TOTAL \$
No.	TASK	hrs	\$	\$	\$ .	\$	\$	\$	\$	\$
	1996 RATES			\$1.17				0.15		
UF 12										
Task 1	Scoping and Work Plans									
Task 1.1	Scoping	42.0	\$1,313.42	\$1,540.64	\$45.50	\$37.50	\$2,937.06	\$428.11		\$3,365.17
Task 1.2	Final Work Plans									
1.2.1	Solicit Quotations	56.0	\$1,477.60	\$1,733.22	\$286.50	\$0.00	\$3,497.32	\$481.62		\$3,978.95
1.2.2	Health and Safety Plan	19.0	\$483.22	\$566.82	\$9.00	\$0.00	\$1,059.04	\$157.51		\$1,216.54
1.2.3	QA/QC Plan	0.0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00
1.2.4	Field Sampling Plan	0.0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00
1.2.5	Budgets and Contract Schedules	76.0	\$1,923.60	\$2,256.38	\$116.00	\$0.00	\$4,295.98	\$627.00		\$4,922.98
1.2.6	Final RI Work Plan	52.0	\$1,291.20	\$1,514.58	\$98.00	\$0.00	\$2,903.78	\$420.87		\$3,324.64
Task 1.3	Task Management and Reporting	82.0	\$1,928.04	\$2,261.59	\$94.00	\$0.00	\$4,283.63	\$628.44		\$4,912.08
	Task 1 Subtotal	327.0	\$8,417.08	\$9,873.23	\$649.00	\$37.50	\$18,976.81	\$2,743.55	\$0.00	\$21,720.36
Task 2	0									
2.1	Remedial Investigation Record Search	23.0	\$509.58	\$597.74	\$856.50	\$150.00	\$2,113,82	\$166.10		\$2,279,91
	Site Survey and Base Map	23.0	\$509.58	\$597.74	\$856.50	\$150.00	\$2,113.82	\$100.10		\$2,279.91
2.2	Preparation	20.0	\$436.74	\$512.30	\$159.25	\$75.00	\$1,183.29	\$142.36	\$ 3,905.00	\$5,230.64
2.3	Site Preparation	52.0	\$883.68	\$1,036.56	\$2,470.10	\$520.00	\$4,910.34	\$288.04	\$ 8,428.50	\$13,626.87
2.4	Test Pit & Drum Sampling	542.0	\$11,264.04	\$13,212.72	\$10,835.40	\$2,025.00	\$37,337.16	\$3,671.51	\$ 89,437.95	\$130,446.62
2.5	Surface Water and Sediment Sampling	5.0	\$81.59	\$95.71	\$412.50	\$205.00	\$794.80	\$26.59	\$ 13,891.50	\$14,712.89
2.6	Soil Boring and MW Installation	67.0	\$1,536.86	\$1,802.74	\$1,106.50	\$650.00	\$5,096.10	\$500.94	\$ 25,742.90	\$31,339.94
2.7	Groundwater Sampling	5.0	\$81.59	\$95.71	\$565.50	\$205.00	\$947.80	\$26.59	\$ 10,363.50	\$11,337.89
2.8	Fish and Wildlife Impact Assessment									
2.8.1	Work Plan	8.0	\$165.76	\$194.44	\$50.00	\$0.00	\$410.20	\$54.03		\$464.23
2.8.2	Step I	84.0	\$1,653.08	\$1,939.06	\$330.00	\$300.00	\$4,222.14	\$538.82		\$4,760.96
2.8.3	Step IIA	14.0	\$283.18	\$332.17	\$100.00	\$0.00	\$715.35	\$92.30		\$807.65
2.8.4	Draft Report	48.0	\$957.76	\$1,123.45	\$100.00	\$0.00	\$2,181.21	\$312.18		\$2,493.39
2.9	Data Validation	293.0	\$6,312.69	\$7,404.79	\$274.00	\$0.00	\$13,991.48	\$2,057.62		\$16,049.10
2.10	Task Management and Reporting	117.0	\$2,761.56	\$3,239.31	\$0.00	\$0.00	\$6,000.87	\$900.13		\$6,901.00
	Task 2 Subtotal	1278.0	\$ 26,928.11	\$ 31,586,67	\$ 17,259,75	\$ 4,130.00	\$ 79,904.53	\$ 8,777.22	\$151,769.35	\$ 240,451.10

# TABLE 1 COST SUMMARY SOUTH HILL DUMP RI/LEHIGH REDESIGN

		DIRECT	DIRECT SALARY COSTS	INDIRECT SALARY COSTS	MATERIAL	TRAVEL	SUBTOTAL	FIXED FEE	SUBCONTRACT	TOTAL \$
No.	TASK	hre	\$	\$	\$	\$	\$	\$	\$	\$
	1996 RATES			\$1.17				0.15		
					,					
Task 3	Work Plan Development									55.
E (UK) U	Task 3 Subtotal	63.0	\$1,865.64	\$2,188.40	\$149.00	\$0.00	\$4,203.04	\$608.11		\$4,811.14
Task 4	Drainage System Re-Design				1					
4.1	Conceptual Layout	16.0	\$457.14	\$536.23	\$41.50	\$0.00	\$1,034.87	\$149.00		\$1,183.87
4.2	Drainage Computations	54.0	\$1,355.68	\$1,590.21	\$662.50	\$261.00	\$3,869.39	\$441.88		\$4,311.28
4.3	Specifications	31.0	\$737.74	\$865.37	\$79.00	\$0.00	\$1,682.11	\$240.47		\$1,922.58
4.4	Drafting Revisions	121.0	\$2,693.24	\$3,159.17	\$1,112.50	\$0.00	\$6,964.91	\$877.86		\$7,842.77
4.5	Engineers Cost Estimate	31.0	\$765.72	\$898.19	\$77.50	\$0.00	\$1,741.41	\$249.59		\$1,991.00
4.6	Contract Drawing Production	14.0	\$425.48	\$499.09	\$676.00	\$0.00	\$1,600.57	\$138.69		\$1,739.25
4.7	Task Management and Reporting	31.0	\$556.49	\$652.76	\$0.00	\$0.00	\$1,209.25	\$181.39		\$1,390.64
							10 100 51			00.004.00
	Task 4 Subtotal	298.0	\$ 6,991.49	\$ 8,201.02	\$ 2,649.00	\$ 261.00	\$ 18,102.51	\$ 2,278.88	\$ .	\$ 20,381.38
	TOTAL HOURS/UNITS	1966.0	>		2			X		
	TOTAL \$		\$ 44,202.32	\$ 51,849.32	\$ 20,706.75	\$ 4,428.50	\$ 121,186.89	\$ 14,407.75	\$ 151,769.35	\$ 287,363.99

				F	PRINCIPAL		PRINCIP	AL	SUP	ERVISING	1	SENIC	OR .	8	TAFF		STAFF			SPE	CIAL.	W	ORD
		C	OFFICER		ENGR. 1		ENGR.	2	s	CIEN. 2		SCIEN	. 1	S	CIEN. 1	9	CIEN. 2	s	CIENT. 1		1	PRO	CESSOR
	1		IX		VIII		VII			VI		٧			IV		111		II		1		WP
No.	TASK 1996 RATES		\$51.00		\$46.50		\$35.64		:	\$32.79		\$26.6	9	s	24.77		\$21.87		\$19.57	\$12	.98	\$1	12.84
		Hrs	\$	Hrs	s	Hrs		\$	Hrs	\$	Hrs		\$	Hrs	\$	Hrs	s	Hrs	s	Hrs	\$	Hrs	\$
Task 1	Scoping and Work Plans																						
Task 1.1	Scoping		\$ .	19.0	\$ 883	.50	\$			\$ -		\$			\$ .		\$ -	20.0	\$ 391.40	s		3.0	\$ 38.52
Task 1.2	Final Work Plans																						
1.2.1	Solicit Quotations		s -	12.0	\$ 558	.00	\$			\$ .	12.0	\$	320.28		\$ -		\$ -	28.0	\$ 547.96	\$		4.0	\$ 51.36
1.2.2	Health and Safety Plan		\$ -	4.0	\$ 186	.00	\$			\$ .		\$		2.0	\$ 49.5		\$ -	12.0	\$ 234.84	\$		1.0	\$ 12.84
1.2.3	QA/QC Plan		\$ .		\$		\$			\$ .		s	-		\$ .		s -		s -	\$			\$ -
1.2.4	Field Sampling Plan		\$ -		\$		5			\$ -		\$			\$ -		\$ -		\$ -	\$			\$ .
1.2.5	Budgets and Contract Schedules		s .	20.0	\$ 930	.00	s	-		s -	8.0	s	213.52		s .		s -	24.0	\$ 469.68	16.0 \$	207.68	8.0	\$ 102.72
1.2.6	Final RI Work Plan		\$ -	12.0	\$ 558	.00	\$			\$ .	8.0	S	213.52		s -		\$ -	16.0	\$ 313.12	8.0 \$	103.84	8.0	\$ 102.72
Task 1.3	Task Management and Reporting	0.0	\$ .	26.0	\$ 1,209	.00 0.	0 \$		0.0	s -	0.0	s		0.0	s -	0.0	s -	0.0	s -	0.0 \$		56.0	\$ 719.04
		0.0	•	20.0	1 1 1001	50 0	1					Ta	717.00				1.	100.0		01010	011.50	20.0	A 4 007 00
	Task 1 Subtotal	0.0	\$ .	93.0	\$ 4,324	50 0.	0 \$	-	0.0	\$ .	28.0	15	747.32	2.0	\$ 49.54	0.0	\$ -	100.0	\$ 1,957.00	24.0 \$	311.52	80.0	\$ 1,027.20
Task 2	Remedial Investigation			+					_		+					+							
2.1	Record Search		s .	1.0	S 46	.50	5			\$ .		s			s -	20.0	\$ 437.40		s -	s		2.0	\$ 25.68
2.2	Site Survey and Base Map																						
	Preparalon		\$ -	2.0		.00	5			\$ .		S			\$ .	8.0	-	6.0	\$ 117.42	-		4.0	01.00
2.3	Site Preparation		s -	2.0	-	.00	\$			\$ .		S			\$ -	16.0			\$ -	30.0 \$	389.40	4.0	
2.4	Test Pit & Drum Sampling Surface Water and Sediment		\$ .	16.0	\$ 744	.00	5			\$ .		\$		170.0	\$ 4,210.9	190.0	\$ 4,155.30		\$ -	160.0 \$	2,076.80	6.0	\$ 77.04
2.5	Sampling		s -	0.5	\$ 20	.25	s			s -		s			s ·	0.0	s -		s -	4.0 \$	51.92	0.5	\$ 6.42
2.6	Soil Boring and MW Installation		s .	4.0	\$ 186	.00	s			\$ -		s			s -	60.0	\$ 1,312.20		s -	1.0 \$	12.98	2.0	\$ 25.68
2.7	Groundwater Sampling		\$ .	0.5	\$ 23	.25	\$			\$ -		5			\$ -	0.0	s -		\$ -	4.0 \$	51.92	0.5	\$ 6.42
2.8	Fish and Wildlife Impact Assessment																						
2.8.1	Work Plan		\$ -		\$		5			\$ -		S			\$ .	4.0	\$ 87.48	4.0	\$ 78.28	\$			s -
2.8.2	Step I		\$ -		s		5			\$ .		S			\$ -	4.0	\$ 87.48	80.0	\$ 1,565.60	s			\$ -
2.8.3	Step IIA		s -		s		5			\$ .		\$			\$ -	4.0	\$ 87.48	10.0	\$ 195.70	s			\$ -
2.8.4	Draft Report		\$ -		\$		s			s -		s			\$ -	8.0	\$ 174.96	40.0	\$ 782.80	\$			\$ -
2.9	Data Validation		\$ -	2.0	\$ 93	.00	s			s -		\$			\$ -	275.0	\$ 6,014.25	0.0	s -	\$		16.0	\$ 205.44
2.10	Task Management and Reporting	0.0	s -	35.0	\$ 1,627	.50 0.	0 \$		0.0	s -	0.0	s		0.0	s -	0.0	s -	12.0	\$ 234.84	3.0 \$	38.94	67.0	\$ 860.28
	Task 2 Subtotal	0.0	\$ -	63.0	\$ 2,929	50 0.	0 \$		0.0	\$ -	0.0	\$		170.0	\$ 4,210.90	589.0	\$ 12,881.43	152.0	\$ 2,974.64	202.0 \$	2,621.96	102.0	\$ 1,309.68

No.	TASK 1996 RATES		DFFICE IX \$51.00			RINCIPAL ENGR. 1 VIII \$46.50			RINCIPAL ENGR. 2 VII \$35.64		PERVISING SCIEN. 2 VI \$32.79		SENIOR SCIEN. 1 V \$26.69	s	STAFF CIEN. 1 IV	s	STAFF CIEN. 2 III		CIENT. 1 II \$19.57		PECIAL. 1 1	PRO	WORD OCESSOR WP
		Hrs		\$	Hrs	\$		Hrs	s	Hrs	\$	Hrs	s	Hrs	s	Hrs	\$	Hrs	\$	Hrs	\$	Hrs	\$
							i												•				
Task 3	Work Plan Development																						
	Task 3 Subtotal		5		21.0	\$	976.50		\$ .		s .	14.0	\$ 373.66	4.0	\$ 99.08		\$ -	16.0	\$ 313.12	4.0	\$ 51.92	4.0	\$ 51.36
Task 4	Drainage System Re-Design																						
4.1	Conceptual Layout		\$			\$	-	2.0	\$ 71.28	2.0	\$ 65.58	12.0	\$ 320.28		\$ -		\$ -		\$ -		s -		\$ -
4.2	Drainage Computations		5	-		\$		2.0	\$ 71.28	2.0	\$ 65.58	26.0	\$ 693.94		\$ -	24.0	\$ 524.88		\$ .		s -		\$ -
4.3	Specifications		5			\$		1.0		2.0	\$ 65.58	20.0	\$ 533.80		\$ -		\$ -		s -		s -	8.0	\$ 102.72
4.4	Drafting Revisions		\$			\$	-	1.0		4.0	\$ 131.16	36.0	\$ 960.84		\$ -		\$ -	80.0	\$ 1,565.60		\$ -		\$ -
4.5	Engineers Cost Estimate		\$			\$		1.0	\$ 35.64	2.0	\$ 65.58	22.0	\$ 587.18		s -		\$ -		s -	2.0	\$ 25.96	4.0	\$ 51.36
4.6	Contract Drawing Production		s		4.0	s	186.00		s .		s -	8.0	\$ 213.52		s -		s .		s .	2.0	\$ 25.96		s .
4.7	Task Management and Reporting	0.0	s		1.0	s	46.50	0.0	s -	0.0	s -	9.0	\$ 240.21	0.0	s -	0.0	s -	0.0	s .	1.0	\$ 12.98	20.0	\$ 256.80
	Task 4 Subtotal	0.0	\$		5.0	\$ 2	32.50	7.0	\$ 249.48	12.0	\$ 393.48	133.0	\$ 3,549.77	0.0	s -	24.0	\$ 524.88	80.0	\$ 1,565.60	5.0	\$ 64.90	32.0	\$ 410.88
	TOTAL HOURS/UNITS	0.0			182.0			7.0		12.0		175.0		176.0		613.0		348.0		235.0		218.0	
	TOTAL \$		\$			\$ 8,4	63.00		\$ 249.48		\$ 393.48		\$ 4,670.75		\$ 4,359.52		\$ 13,406.31		\$ 6,810.36		\$ 3,050.30		\$ 2,799.12

	·····		Direct				
		Total	Salary	Indirect			
	ŀ	Hours	Costs	Costs	Subtotal	Fixed Fee	Total
No.	TASK	nours	2	Costs	Subtotal	s s	\$
No.	1996 RATES			1.17	,	0.15	•
	1990 KATES			1.17		0.15	
Task 1	Scoping and Work Plans			-			
Task 1.1	Scoping	42.0	\$1,313	3.42 \$1,540.64	\$2.854.06	\$428.11	\$3,282.17
Task 1.2	Final Work Plans	42.0	\$1,51	31,340.04	\$2,034.00	\$420.11	\$5,202.17
1.2.1	Solicit Quotations	56.0	\$1,477	7.60 \$1,733.22	\$3,210.82	\$481.62	\$3,692.45
1.2.2	Health and Safety Plan	19.0	\$483		\$1,050.04	\$157.51	\$1,207.54
1.2.3	QA/QC Plan	0.0		0.00 \$0.00	\$0.00	\$0.00	\$0.00
1.2.4	Field Sampling Plan	0.0		0.00 \$0.00	\$0.00	\$0.00	\$0.00
1.2.5	Budgets and Contract Schedules	76.0	\$1,923		\$4,179.98	\$627.00	\$4,806.98
1.2.6	Final RI Work Plan	52.0	\$1,29	1.20 \$1,514.58	\$2,805.78	\$420.87	\$3,226.64
Task 1.3	Task Management and Reporting	82.0	\$1,928		\$4,189.63	\$628.44	\$4,818.08
	Task 1 Subtotal	327.00	\$ 8,417	.08 \$ 9,873.23	\$ 18,290.31	\$ 2,743.55	\$ 21,033.86
Task 2	T						
2.1	Remedial Investigation						
	Record Search Site Survey and Base Map	23.0	\$509	9.58 \$597.74	\$1,107.32	\$166.10	\$1,273.41
2.2	Preparaion	20.0	\$436	5.74 \$512.30	\$949.04	\$142.36	\$1,091.39
2.3	Site Preparation	52.0	\$883	3.68 \$1,036.56	\$1,920.24	\$288.04	\$2,208.27
2.4	Test Pit & Drum Sampling	542.0	\$11,264	1.04 \$13,212.72	\$24,476.76	\$3,671.51	\$28,148.27
2.5	Surface Water and Sediment Sampling	5.0	\$8	1.59 \$95.71	\$177.30	\$26.59	\$203.89
2.6	Soil Boring and MW Installation	67.0	\$1,536	5.86 \$1,802.74	\$3,339.60	\$500.94	\$3,840.54
2.7	Groundwater Sampling	5.0	\$8	1.59 \$95.71	\$177.30	\$26.59	\$203.89
2.8	Fish and Wildlife Impact Assessment						
2.8.1	Work Plan	8.0	\$16	5.76 \$194.44	\$360.20	\$54.03	\$414.23
2.8.2	Step I	84.0	\$1,653	3.08 \$1,939.06	\$3,592.14	\$538.82	\$4,130.96
2.8.3	Step IIA	14.0	\$283	3.18 \$332.17	\$615.35	\$92.30	\$707.65
2.8.4	Draft Report	48.0	\$95	7.76 \$1,123.45	\$2,081.21	\$312.18	\$2,393.39
2.9	Data Validation	293.0	\$6,312	2.69 \$7,404.79	\$13,717.48	\$2,057.62	\$15,775.10
2.10	Task Management and Reporting	117.0	\$2,76	1,56 \$3,239.31	\$6,000.87	\$900.13	\$6,901.00
	Task 2 Subtotal	1278.0				\$ 8,777.22	\$ 67,292.00

No.	TASK 1996 RATES	Total Hours	Direct Salary Costs \$	Indirect Costs \$ 1.17	Subtotal \$		Fixed Fee \$ 0.15		Total \$
Task 3	Work Plan Development								
	Task 3 Subtotal	63.0	\$1,865.64	\$2,188.40	\$4,054.04	_	\$608.11		\$4,662.14
Task 4	Drainage System Re-Design					-		-	
4.1	Conceptual Layout	16.0	\$457.14	\$536.23	\$993.37		\$149.00		\$1,142.37
4.2	Drainage Computations	54.0	\$1,355.68	\$1,590.21	\$2,945.89		\$441.88		\$3,387.78
4.3	Specifications	31.0	\$737.74	\$865.37	\$1,603.11		\$240.47		\$1,843.58
4.4	Drafting Revisions	121.0	\$2,693.24	\$3,159.17	\$5,852.41		\$877.86		\$6,730.27
4.5	Engineers Cost Estimate	31.0	\$765.72	\$898.19	\$1,663.91		\$249.59		\$1,913.50
4.6	Contract Drawing Production	14.0	\$425.48	\$499.09	\$924.57		\$138.69		\$1,063.25
4.7	Task Management and Reporting	31.0	\$556.49	\$652.76	\$1,209.25		\$181.39		\$1,390.64
	Task 4 Subtotal	298.0	\$ 6,991.49	\$ 8,201.02	\$ 15,192.51	\$	2,278.88	\$	17,471.38
	TOTAL HOURS/UNITS	1966.0							
	TOTAL \$		\$ 44,202.32	\$ 51,849.32	\$ 96,051.64	\$	14,407.75	\$	110,459.39

# TABLE 3 MATERIAL COSTS SOUTH HILL DUMP RI/LEHIGH REDESIGN

No.	TASK	TELEPHONE (\$)	РНОТОСОРУ (СОРУ)	POSTAGE/ SHIPPING (\$)	BLUELINE PRINTS (SHEET)	REPRODUC. PRINTS (SHEET)	MATERIALS/ SUPPLIES (\$)	TELECOPY DOMESTIC (PAGE)	TELECOPY OVERSEAS (PAGE)	PC'S/ WORD PROC (HR)	AUTO CAD (HR)	FIELD EQUIP (\$)	LEVEL D EQUIP (DAY)	LEVEL C EQUIP (DAY)	LEVEL B EQUIP (DAY)	TOTAL \$
	1996 RATES	\$1.00	\$0.05	\$1.00	\$1.00	\$3.00	\$1.00	\$1.00	\$5.00	\$1.50	\$15.00	\$1.00	\$19.00	\$40.00	\$100.00	
1									-							
Task 1 Task 1.1	Scoping and Work Plans Scoping	10.0	20.0													245.50
Task 1.1	Final Work Plans	10.0	20.0					5.0		3.0	1.0	10.0				\$45.50
1.2.1	Solicit Quotations	100.0	400.0	50.0				100.0		11.0						\$286.50
1.2.2	Health and Safety Plan	5.0	50.0	50.0				100.0		1.0						\$286.50
1.2.3	QA/QC Plan	5.0	50.0							1.0						\$9.00
1.2.4	Field Sampling Plan															\$0.00
1.2.5	Budgets and Contract Schedules	50.0	100.0				7	25.0		24.0						\$116.00
1.2.6	Final RI Work Plan	25.0	400.0	20.0						12.0	1.0					\$98.00
Task 1.3	Task Management and Reporting	15.0	500.0	30.0						16.0						\$94.00
	Task 1 Subtotal	205.0	1470.0	100.0	0.0	0.0	0.0	130.0	0.0	67.0	2.0	10.0	0.0	0.0	0.0	\$649.00
Task 2	Remedial Investigation															
2.1	Record Search	20.0	500.0	10.0			800.0			1.0						\$856.50
2.2	Site Survey and Base Map Preparaion	20.0	25.0	10.0	10.0	2.0				2.0	6.0		1.0			\$159.25
2.3	Site Preparation	50.0	500.0	10.0				20.0		4.0		2283.1	4.0			\$2,470.10
2.4	Test Pit & Drum Sampling	100.0	500.0	1750.0				10.0		6.0		5341.4		15.0	30.0	\$10,835.40
2.5	Surface Water and Sediment Sampling	10.0	0.0	300.0								64.5	2.0			\$412.50
2.6	Soil Boring and MW Installation	20.0	500.0	250.0				10.0		6.0		697.5	5.0			\$1,106.50
2.7	Groundwater Sampling	10.0	0.0	300.0								217.5	2.0			\$565.50
2.8	Fish and Wildlife Impact Assessment															
2.8.1	Work Plan	25.0	500.0													\$50.00
2.8.2	Step I	25.0								66.7		205.0				\$330.00
2.8.3	Step IIA									66.7						\$100.00
2.8.4	Draft Report									66.7						\$100.00
2.9	Data Validation	50.0	3000.0	25.0				25.0		16.0						\$274.00
2.10	Task Management and Reporting															\$0.00
	Task 2 Subtotal	330.0	5525.0	2655.0	10.0	2.0	800.0	65.0	0.0	235.0	6.0	8809.0	14.0	15.0	30.0	\$ 17,259.75

# TABLE 3 MATERIAL COSTS SOUTH HILL DUMP RI/LEHIGH REDESIGN

No.	TASK	TELEPHONE (\$)	(COPY)	POSTAGE/ SHIPPING (\$)	BLUELINE PRINTS (SHEET)	REPRODUC. PRINTS (SHEET)	MATERIALS/ SUPPLIES (\$)	TELECOPY DOMESTIC (PAGE)	TELECOPY OVERSEAS (PAGE)	(HR)	AUTO CAD (HR)	FIELD EQUIP (\$)	LEVEL D EQUIP (DAY)	LEVEL C EQUIP (DAY)	LEVEL B EQUIP (DAY)	TOTAL \$
	1996 RATES	\$1.00	\$0.05	\$1.00	\$1.00	\$3.00	\$1.00	\$1.00	\$5.00	\$1.50	\$15.00	\$1.00	\$19.00	\$40.00	\$100.00	
Task 3	Work Plan Development															
	Task 3 Subtotal	50.0	500.0	35.0						26.0						\$149.00
Task 4	Drainage System Re-Design															
4.1	Conceptual Layout	10.0	50.0					5.0		16.0						\$41.50
4.2	Drainage Computations		50.0	10.0						16.0		550.0	4.0			\$662.50
4.3	Specifications	10.0	200.0	10.0				25.0		16.0						\$79.00
4.4	Drafting Revisions	10.0	50.0		20.0						72.0					\$1,112.50
4.5	Engineers Cost Estimate		150.0	20.0				50.0								\$77.50
4.6	Contract Drawing Production			100.0	546.0	10.0										\$676.00
4.7	Task Management and Reporting															\$0.00
	Task 4 Subtotal	30.0	500.0	140.0	566.0	10.0	0.0	80.0	0.0	48.0	72.0	550.0	4.0	0.0	0.0	\$ 2,649.00
	TOTAL HOURS/UNITS	615.0	7995.0	2930.0	576.0	12.0	800.0	275.0	0.0	376.0	80.0	9369.0	18.0	15.0	30.0	
	TOTAL \$	\$615.00	\$399.75	\$2,930.00	\$576.00	\$36.00	\$800.00	\$275.00	\$0.00	\$564.00	\$1,200.00	\$9,369.00	\$342.00	\$600.00	\$3,000.00 [	\$ 20,706.75

# TABLE 4 TRAVEL COSTS SOUTH HILL DUMP RI/LEHIGH REDESIGN

			AUTO	TRUCK/VAN	PERSONAL			
		AIR FARE	RENTAL	RENTAL	MILEAGE	PER DIEM	MISC.	TOTAL
		(TRIP)	(DAY)	(DAY)	(MILE)	(NIGHT)	(\$)	s
No.	TASK	,		1		Erie Co.	V-7	
	1996 RATES	\$1.00	\$75.00	\$130.00	\$0.25	\$106.00	\$1.00	
Task 1	Scoping and Work Plans							
Task 1.1	Scoping		0.5					\$37.50
Task 1.2	Final Work Plans							
1.2.1	Solicit Quotations							\$0.00
1.2.2	Health and Safety Plan							\$0.00
1.2.3	QA/QC Plan							\$0.00
1.2.4	Field Sampling Plan							\$0.00
1.2.5	Budgets and Contract Schedules							\$0.00
1.2.6	Final RI Work Plan							\$0.00
Task 1.3	Task Management and Reporting							\$0.00
	Task 1 Subtotal	0.0	0.5	0.0	0.0	0.0	0.0	\$37.50
Task 2	Remedial Investigation							
2.1	Record Search		2.0					\$150.00
2.2	Site Survey and Base Map Preparaion		1.0					\$75.00
2.3	Site Preparation			4.0				\$520.00
2.4	Test Pit & Drum Sampling		1.0	15.0				\$2,025.00
2.5	Surface Water and Sediment Sampling		1.0	1.0				\$205.00
2.6	Soil Boring and MW Installation			5.0				\$650.00
2.7	Groundwater Sampling		1.0	1.0				\$205.00
2.8	Fish and Wildlife Impact Assessment							
2.8.1	Work Plan							\$0.00
2.8.2	Step I		4.0					\$300.00
2.8.3	Step IIA							\$0.00
2.8.4	Draft Report							\$0.00
2.9	Data Validation							\$0.00
2.10	Task Management and Reporting							\$0.00
	Task 2 Subtotal	0.0	10.0	26.0	0.0	0.0	0.0	\$ 4,130.00

# TABLE 4 TRAVEL COSTS SOUTH HILL DUMP RI/LEHIGH REDESIGN

			AUTO	TRUCK/VAN	PERSONAL				
		AIR FARE (TRIP)	RENTAL (DAY)	RENTAL (DAY)	MILEAGE (MILE)	PER DIEM (NIGHT)	MISC.		TOTAL \$
No.	TASK 1996 RATES	\$1.00	\$75.00	\$130.00	\$0.25	Erie Co. \$106.00	\$1.00		
Task 3	Work Plan Development								
	Task 3 Subtotal		-						\$0.00
Task 4	Drainage System Re-Design								
4.1	Conceptual Layout								\$0.00
4.2	Drainage Computations			1.0		1.0	25.0		\$261.00
4.3	Specifications								\$0.00
4.4	Drafting Revisions								\$0.00
4.5	Engineers Cost Estimate								\$0.00
4.6	Contract Drawing Production								\$0.00
4.7	Task Management and Reporting								\$0.00
	Task 4 Subtotal	0.0	0.0	1.0	0.0	1.0	25.0	\$	261.00
	TOTAL HOURS/UNITS	0.0	10.5	27.0	0.0	1.0	25.0		
	TOTAL S	\$0.00	\$787.50	\$3,510.00	\$0.00	\$106.00	\$25.00	s	4.428.50

# TABLE 5 FIELD EQUIPMENT COSTS SOUTH HILL DUMP RI/LEHIGH REDESIGN

ltem	Estimated Quantity	Unit	Unit Cost	Total Budgeted Cost
TASK 2.3 - SITE PREPARATION				
Brush Hog	4	Day	\$10.00	\$40.00
Camera (DEC)	4	Day	\$0.00	\$0.00
Cable Locator	4	Day	\$21.00	\$84.00
Chain Saw	4	Day	\$8.00	\$32.00
Explosimeter	4	Day	\$4.00	\$16.00
Field Notebook	1	Each	\$10.00	\$10.00
Field Trailer Rental (incl. steps)	4	Month	\$145.00	\$580.00
Field Trailer Mob. and Demob.	1	Lump	\$399.00	\$399.00
First Aid Kit	4	Day	\$5.00	\$20.00
Machette	4	Day	\$1.00	\$4.00
Photoionization Detector (DEC)	4	Day	\$0.00	\$0.00
Portable Restroom	4	Month	\$74.90	\$299.60
	1	Each	\$1.50	\$1.50
Roll Flagging	•			
Spray Paint	1	Each	\$7.00	\$7.00
Stakes (marker)	1	Per 2	\$10.00	\$10.00
Tape Measure (DEC)	1	Day	\$0.00	\$0.00
Telephone (incl. hook-up)	1	Lump	\$700.00	\$700.00
Telephone Service	4	Month	\$20.00	\$80.00
		т	ASK TOTAL	\$2,283.10
TASK 2.4 - TEST PITS AND DRU	M SAMPLING			
Air Tanks	30	Tank	\$25.00	\$750.00
Camera (DEC)	15	Day	\$0.00	\$0.00
Cable Locator	15	Day	\$21.00	\$315.00
Draeger Bellows	15	Day	\$0.00	\$0.00
Draeger Tubes (10 per box)	8	Box	\$50.00	\$400.00
Explosimeter	15	Day	\$4.00	\$60.00
Field Notebook	2	Each	\$10.00	\$20.00
First Aid Kit	15	Each	\$5.00	\$75.00
	20	Set	\$176.42	\$3,528.40
				\$150.00
Hazardous Waste Containers		Dav	\$10,00	9130.00
Hazardous Waste Containers Misc. Supplies	15	Day Day	\$10.00 \$0.00	
Hazardous Waste Containers Misc. Supplies Photoionization Detector No. 1 (D	15 15	Day	\$0.00	\$0.00
Hazardous Waste Containers Misc. Supplies Photoionization Detector No. 1 (D Photoionization Detector No. 2 (D	15 15 15	Day Day	\$0.00 \$0.00	\$0.00 \$0.00
Hazardous Waste Containers Misc. Supplies Photoionization Detector No. 1 (D Photoionization Detector No. 2 (D Roll Flagging	15 15 15 2	Day Day Each	\$0.00 \$0.00 \$1.50	\$0.00 \$0.00 \$3.00
Hazardous Waste Containers Misc. Supplies Photoionization Detector No. 1 (D Photoionization Detector No. 2 (D	15 15 15	Day Day	\$0.00 \$0.00	\$0.00 \$0.00

# TABLE 5 - CONTINUED FIELD EQUIPMENT COSTS SOUTH HILL DUMP RI/LEHIGH REDESIGN

ltem	Estimated Quantity	Unit	Unit Cost	Total Budgeted Cost
TASK 2.5 - SURFACE WATER A	ND SEDIMENT	SAMPLING		
Decontamination supplies	1	Day	\$20.00	\$20.00
First Aid Kit	1	Each	\$5.00	\$5.00
Shipping Supplies	1	Day	\$10.00	\$10.00
pH, Conductivity, Temp. Meter	2	Day	\$9.00	\$18.00
Photoionization Detector (DEC)	2	Day	\$0.00	\$0.00
Roll Flagging	1	Each	\$1.50	\$1.50
SS Bowls (DEC)	2	Day	\$0.00	\$0.00
SS Spoons (DEC)	2	Day	\$0.00	\$0.00
Stakes (marker)	1	Per 2	\$10.00	\$10.00
			TASK TOTAL	\$64.50
TASK 2.6 - BORINGS AND MON	ITORING WELL	INSTALLA	TIONS	
TASK 2.6 - BORINGS AND MON	5	INSTALLA <sup>*</sup>	TIONS \$0.00	\$0.00
Camera (DEC) Cable Locator				\$0.00 \$105.00
Camera (DEC)	5 5 5	Day	\$0.00	
Camera (DEC) Cable Locator	5 5 5 5	Day Day	\$0.00 \$21.00	\$105.00
Camera (DEC) Cable Locator Decontamination supplies Explosimeter Field Notebook	5 5 5 5 1	Day Day Day	\$0.00 \$21.00 \$20.00 \$4.00 \$10.00	\$105.00 \$100.00 \$20.00 \$10.00
Camera (DEC) Cable Locator Decontamination supplies Explosimeter Field Notebook First Aid Kit	5 5 5 5 1 5	Day Day Day Day Each Day	\$0.00 \$21.00 \$20.00 \$4.00 \$10.00 \$5.00	\$105.00 \$100.00 \$20.00 \$10.00 \$25.00
Camera (DEC) Cable Locator Decontamination supplies Explosimeter Field Notebook First Aid Kit Misc. Supplies	5 5 5 1 5 5	Day Day Day Day Each	\$0.00 \$21.00 \$20.00 \$4.00 \$10.00 \$5.00 \$10.00	\$105.00 \$100.00 \$20.00 \$10.00 \$25.00 \$50.00
Camera (DEC) Cable Locator Decontamination supplies Explosimeter Field Notebook First Aid Kit Misc. Supplies pH, Conductivity, Temp. Meter	5 5 5 1 5 5 5	Day Day Day Day Each Day Day	\$0.00 \$21.00 \$20.00 \$4.00 \$10.00 \$5.00 \$10.00 \$9.00	\$105.00 \$100.00 \$20.00 \$10.00 \$25.00 \$50.00 \$45.00
Camera (DEC) Cable Locator Decontamination supplies Explosimeter Field Notebook First Aid Kit Misc. Supplies pH, Conductivity, Temp. Meter Photoionization Detector (DEC)	5 5 5 5 1 5 5 5 5	Day Day Day Day Each Day Day Day	\$0.00 \$21.00 \$20.00 \$4.00 \$10.00 \$5.00 \$10.00 \$9.00 \$0.00	\$105.00 \$100.00 \$20.00 \$10.00 \$25.00 \$50.00 \$45.00 \$0.00
Camera (DEC) Cable Locator Decontamination supplies Explosimeter Field Notebook First Aid Kit Misc. Supplies pH, Conductivity, Temp. Meter Photoionization Detector (DEC) Submersible Pump	5 5 5 5 5 5 5 5 5 5 5	Day Day Day Each Day Day Day Day Day	\$0.00 \$21.00 \$20.00 \$4.00 \$10.00 \$5.00 \$10.00 \$9.00 \$0.00	\$105.00 \$100.00 \$20.00 \$10.00 \$25.00 \$50.00 \$45.00 \$0.00 \$250.00
Camera (DEC) Cable Locator Decontamination supplies Explosimeter Field Notebook First Aid Kit Misc. Supplies pH, Conductivity, Temp. Meter Photoionization Detector (DEC) Submersible Pump SS Bowls (DEC)	5 5 5 5 5 5 5 5 5 5 5	Day Day Day Each Day Day Day Day Day Day	\$0.00 \$21.00 \$20.00 \$4.00 \$10.00 \$5.00 \$10.00 \$9.00 \$0.00 \$50.00	\$105.00 \$100.00 \$20.00 \$10.00 \$25.00 \$50.00 \$45.00 \$0.00 \$250.00 \$0.00
Camera (DEC) Cable Locator Decontamination supplies Explosimeter Field Notebook First Aid Kit Misc. Supplies pH, Conductivity, Temp. Meter Photoionization Detector (DEC) Submersible Pump SS Bowls (DEC) SS Spoons (DEC)	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Day Day Day Each Day Day Day Day Day Day Day	\$0.00 \$21.00 \$20.00 \$4.00 \$10.00 \$5.00 \$10.00 \$9.00 \$0.00 \$0.00 \$0.00	\$105.00 \$100.00 \$20.00 \$10.00 \$25.00 \$50.00 \$45.00 \$0.00 \$250.00 \$0.00
Camera (DEC) Cable Locator Decontamination supplies Explosimeter Field Notebook First Aid Kit Misc. Supplies pH, Conductivity, Temp. Meter Photoionization Detector (DEC) Submersible Pump SS Bowls (DEC) SS Spoons (DEC) Tubing	5 5 5 5 5 5 5 5 5 5 5	Day Day Day Each Day	\$0.00 \$21.00 \$20.00 \$4.00 \$10.00 \$5.00 \$10.00 \$9.00 \$0.00 \$0.00 \$0.00 \$0.25	\$105.00 \$100.00 \$20.00 \$10.00 \$25.00 \$50.00 \$45.00 \$0.00 \$250.00 \$0.00 \$37.50
Camera (DEC) Cable Locator Decontamination supplies Explosimeter Field Notebook First Aid Kit Misc. Supplies OH, Conductivity, Temp. Meter Photoionization Detector (DEC) Submersible Pump SS Bowls (DEC) SS Spoons (DEC) Tubing Turbidity Meter	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Day Day Day Each Day	\$0.00 \$21.00 \$20.00 \$4.00 \$10.00 \$5.00 \$10.00 \$9.00 \$0.00 \$0.00 \$0.00 \$0.25 \$10.00	\$105.00 \$100.00 \$20.00 \$10.00 \$25.00 \$50.00 \$45.00 \$0.00 \$250.00 \$0.00 \$37.50 \$50.00
Camera (DEC) Cable Locator Decontamination supplies Explosimeter Field Notebook First Aid Kit Misc. Supplies OH, Conductivity, Temp. Meter Photoionization Detector (DEC) Submersible Pump SS Bowls (DEC) SS Spoons (DEC)	5 5 5 5 5 5 5 5 5 5 5	Day Day Day Each Day	\$0.00 \$21.00 \$20.00 \$4.00 \$10.00 \$5.00 \$10.00 \$9.00 \$0.00 \$0.00 \$0.00 \$0.25	\$105.00 \$100.00 \$20.00 \$10.00 \$25.00 \$50.00 \$45.00 \$0.00 \$250.00 \$0.00 \$37.50

# TABLE 5 - CONTINUED FIELD EQUIPMENT COSTS SOUTH HILL DUMP RI/LEHIGH REDESIGN

ltem	Estimated Quantity	Unit	Unit Cost	Total Budgeted Cost
TASK 2.7 - GROUNDWATER SA	MPLING			
Decontamination supplies	1	Day	\$20.00	\$20.00
First Aid Kit	2	Day	\$5.00	\$10.00
Shipping Supplies	1	Day	\$10.00	\$10.00
pH, Conductivity, Temp. Meter	2	Day	\$9.00	\$18.00
Photoionization Detector (DEC)	2	Day	\$0.00	\$0.00
Submersible Pump	2	Day	\$50.00	\$100.00
Tubing	150	Feet	\$0.25	\$37.50
Turbidity Meter	2	Day	\$10.00	\$20.00
Water Level Indicator	2	Day	\$1.00	\$2.00
			TASK TOTAL	\$217.50
Task 2.8.2 Fish and Wildlife Impa	ect Assessment	: - Step I		
Field Notebook	1	ea	\$10.00	\$10.00
Decontamination supplies	3	Day	\$30.00	\$90.00
First Aid Kit	3	Day	\$5.00	\$15.00
Misc. Supplies	3	Day	\$30.00	\$90.00
SS Bowls (DEC)	3	Day	\$0.00	\$0.00
SS Spoons (DEC)	3	Day	\$0.00	\$0.00
			TASK TOTAL	\$205.00

# TABLE 5 - CONTINUED FIELD EQUIPMENT COSTS SOUTH HILL DUMP RI/LEHIGH REDESIGN

ltem	Estimated Quantity	Unit	Unit Cost	Total Budgeted Cost
Task 4.2 Drainage Computa	tions			
Backhoe Mob/Demob Backhoe Rental	2 2	hr Day	\$60.00 \$215.00	\$120.00 \$430.00
			TASK TOTAL	\$550.00

# Schedule 2.11(a) SUMMARY OF TOTAL CONTRACT PRICE WORK ASSIGNMENT D002478-45

1	Direct Salary Costs (Schedules 2.10(a	a) and 2.11(b))	\$	44,202.32
2	Indirect Costs (Schedule 2.10(g))		\$	51,849.32
3	Direct Non-Salary Costs (Schedules 2	2.10(d,e,f) and 2.11(c,d))	\$	25,135.25
	Subcontract Costs			
	Cost-Plus-Fixed-Fee Subco	ntracts (Schedule 2.10(e) and 2.11(e))		
	Name of Subcontractor	Services to be Performed	Su	bcontract Price
4	Total Cost-Plus-Fixed-Fee S Unit Price Subcontracts (S	Subcontracts chedule 2.10(f) and 2.11(f))	\$	-
4				- obcontract Price
4	Unit Price Subcontracts (S  Name of Subcontractor  Atlas Fence	chedule 2.10(f) and 2.11(f))  Services to be Performed  Fencing	Su \$	8,428.50
4	Unit Price Subcontracts (S  Name of Subcontractor  Atlas Fence  SJB Services	Services to be Performed Fencing Drilling and Well Installation	<b>S</b> L \$	8,428.50 8,147.00
4	Unit Price Subcontracts (S  Name of Subcontractor  Atlas Fence  SJB Services  ERD Environmental	Services to be Performed Fencing Drilling and Well Installation Test Pit Excavation	<u>s</u> ı. \$ \$	8,428.50 8,147.00 25,300.00
4	Unit Price Subcontracts (S  Name of Subcontractor  Atlas Fence  SJB Services	Services to be Performed Fencing Drilling and Well Installation	<b>S</b> L \$	8,428.50 8,147.00
	Unit Price Subcontracts (S  Name of Subcontractor Atlas Fence SJB Services ERD Environmental NYTEST Environmental, Inc. S. F. THEW, P.E.,L.S.	Services to be Performed Fencing Drilling and Well Installation Test Pit Excavation Analytical Laboratory Services	<b>Sil</b> \$ \$ \$ \$	8,428.50 8,147.00 25,300.00 99,737.00 3,905.00
5	Unit Price Subcontracts (S  Name of Subcontractor Atlas Fence SJB Services ERD Environmental NYTEST Environmental, Inc. S. F. THEW, P.E.,L.S.	Services to be Performed Fencing Drilling and Well Installation Test Pit Excavation Analytical Laboratory Services	<b>Sil</b> \$ \$ \$ \$	8,428.50 8,147.00 25,300.00 99,737.00 3,905.00 \$145,517.50
5 6	Unit Price Subcontracts (S  Name of Subcontractor Atlas Fence SJB Services ERD Environmental NYTEST Environmental, Inc. S. F. THEW, P.E.,L.S.  Total Unit Price Subcontracts Subcontract Management Fee	Services to be Performed Fencing Drilling and Well Installation Test Pit Excavation Analytical Laboratory Services	<b>Sil</b> \$	8,428.50 8,147.00 25,300.00 99,737.00 3,905.00 \$145,517.50 6,251.85
5 6 7	Unit Price Subcontracts (S  Name of Subcontractor Atlas Fence SJB Services ERD Environmental NYTEST Environmental, Inc. S. F. THEW, P.E.,L.S.	Services to be Performed Fencing Drilling and Well Installation Test Pit Excavation Analytical Laboratory Services	<b>Sil</b> \$ \$ \$ \$	8,428.50 8,147.00 25,300.00 99,737.00 3,905.00 \$145,517.50

# Schedule 2.11(a-1) SUMMARY OF COSTS WORK ASSIGNMENT D002478-45

Task	1	irect abor	Indirect Labor	Fixed Fee	Travel & Subsistence	Other Costs	S	Subcontract Costs	Subtotal Labor Hrs.
South Hills Dump Site	\$	35,345.19	\$ 41,459.91	\$ 11,520.76	\$ 4,167.50	\$ 17,908.75	\$	151,769.35	\$ 262,171.46
Lehigh Redesign	\$	8,857.13	\$ 10,389.41	\$ 2,886.98	\$ 261.00	\$ 2,798.00	\$		\$ 25,192.53
Total	\$	44,202.32	\$ 51,849.32	\$ 14,407.75	\$ 4,428.50	\$ 20,706.75	\$	151,769.35	\$ 287,363.99

# Schedule 2.11(b) NUMBER OF DIRECT LABOR HOURS BUDGETED WORK ASSIGNMENT D002478-45

		0//	Principal	Principal	Supervising	Supervising	Staff	Staff		Specialist	Word	Subtotal
		Officer	Engr. 1	Engr. 2	Scien./Engr. 1	Scien./Engr. 2	Scien. Engr. 1	Scien. Engr. 2	Scient. 1	1.00	Processor	Labor Hrs.
No.	Task	IX	VIII	VII	VI	V	IV	111	[I]		WP	
	Maximum Reimbursement Rates	\$51.00	\$46.50	\$35.64	\$32.79	\$26.69	\$24.77	\$21.87	\$19.57	\$12.98	\$12.84	
South F	Hills Dump Site				17.75.27.10	1. 1.						
Task 1	Scoping and Work Plans	0.0	93.0	0.0	0.0	28.0	2.0	0.0	100.0	24.0	80.0	327.0
Task 2	Remedial Investigation	0.0	63.0	0.0	0.0	0.0	170.0	589.0	152.0	202.0	102.0	1278.0
Lehigh	Redesign		( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( (	8 K (4 ) (4 )		14.50 A	7.5.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	146.0460				
Task 3	Task 3 Subtotal	0.0	21.0	0.0	0.0	14.0	4.0	0.0	16.0	4.0	4.0	63.0
Task 4	Drainage System Re-Design	0.0	5.0	7.0	12.0	133.0	0.0	24.0	80.0	5.0	32.0	298.0
	Total Hours/Units	0.0	182.0	7.0	12.0	175.0	176.0	613.0	348.0	235.0	218.0	1966.0
	Total Direct Labor Cost	\$ -	\$ 8,463.00	\$ 249.48	\$ 393.48	\$ 4,670.75	\$ 4,359.52	\$ 13,406.31	\$ 6,810.36	\$ 3,050.30	\$ 2,799.12	\$ 44,202.32

# Schedule 2.11(b-1) NUMBER OF DIRECT ADMINISTRATIVE LABOR HOURS BUDGETED WORK ASSIGNMENT D002478-45

No.	Task  Maximum Reimbursement Rates	Officer IX \$51.00	Principal Engr. 1 VIII \$46.50	Principal Engr. 2 VII \$35.64	Supervising Scien./Engr. 1 VI \$32.79	Supervising Scien./Engr. 2 V \$26.69	Staff Scien. Engr. 1 IV \$24.77	Staff Scien, Engr. 2 III \$21.87	Scient. 1 II \$19.57	Specialist 1.00 I \$12.98	Word Processor WP \$12.84	Subtotal Labor Hrs.
South H	Hills Dump Site											
Task 1	Scoping and Work Plans	0.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56.0	82.0
Task 2	Remedial Investigation	0.0	35.0	0.0	0.0	0.0	0.0	0.0	12.0	3.0	67.0	117.0
Lehigh	Redesign											
Task 3	Task 3 Subtotal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Task 4	Drainage System Re-Design	0.0	1.0	0.0	0.0	9.0	0.0	0.0	0.0	1.0	20.0	31.0
	Total Hours/Units	0.0	62.0	0.0	0.0	9.0	0.0	0.0	12.0	4.0	143.0	230.0
	Total Direct Labor Cost	\$ -	\$ 2,883.00	\$ -	\$ -	\$ 240.21	\$ -	\$ -	\$ 234.84	\$ 51.92	\$ 1,836.12	\$ 5,246.09

# DETAILED BREAKDOWN OF DIRECT ADMINISTRATIVE LABOR HOURS BUDGETED ON SCHEDULE 2.11(b-1)

Date Prepared 11/14/96

	1							٧	Vork	Pla	n De	velo	pme	nt															CA	P Pre	parat	ion								
ADMINISTRATIVE TASKS				Con		of Intecks		t						5	ched Supp cum	ortir	ng								are M ntrol F C										verse Prepa					
NSPE LEVEL	9	8	7	6	5	4	3	2	1	WP	9	8	7	6	5	4	3	2	1	WF	9	8	7	6	5	4	3	2	1	WP	9	8	7	6	5	4	3	2	1	V
Task 1		2								2																				40		10								
Task 2																														48		12								
Task 3																																								
Task 4																					L									16					4					
SUBTOTALS	0	2	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	104	0	22	0	0	4	0	0	0	0	
AL (ALL NSPE)					4										0										104										26					

# Date Prepared 11/14/96

### **DETAILED BREAKDOWN OF DIRECT ADMINISTRATIVE** LABOR HOURS BUDGETED ON SCHEDULE 2.11(b-1)

ADMINISTRATIVE TASKS				Su		nage								Cor	nduct Rev			3			Rev	view		Pro	ignm epare gress hedul	Mon	thly ort 8	k	gress	5				M/V	VBE A	Activ	ities			
NSPE LEVEL	9	8	7	6	5	4	3	2	1	WF	9	8	7	6	5	4	3	2	1	WP	9	8	7	6	5	4	3	2	1	WP	9	8	7	6	5	4	3	2	1	WF
Task 1						I						1										10								10		1								2
Task 2		6						12			L	1										12								12		1								2
Task 3																																								
Task 4												1			1										4					4		1								
SUBTOTALS	0	6	0	0			0	12	0	0	0	3	0	0	1	0	0	0	0	0	0	22	0	0	4	0	0	0	0	26	0	2	0	0	0	0	0	0	0	4
TOTAL (ALL NSPE)					18	3									4										52										6					

# DETAILED BREAKDOWN OF DIRECT ADMINISTRATIVE LABOR HOURS BUDGETED ON SCHEDULE 2.11(b-1)

										T									A	lisce	ellar	neou	ıs	annings:																		
ADMINISTRATIVE TASKS			F	Progr	ram l	Man	agen	nent						NSP	E Lis	t Up	date	S								uipm d Inv										and	roce: Repo arati	ort	9			
NSPE LEVEL	9	8	7	6	5	1	: :	3 2	w	P 9		8	7	6	5	4	3	2	1	w	/P	9	8	7	6	5	4	3	2	1	WP	9	8	7	6	5	4	3	3 2		1 1	WP
Task 1		2							1	2																																
Task 2		2							1			1				L														3	3											
Task 3										L																											$\perp$					
Task 4										L																				1												
SUBTOTALS	0	4	0	0		0	0	0 0	0 4	1	0	1	0	0	0	0	0			) (	0	0	0	0	0	0	0	0	0	4	3	0	0	0	0		0 0		0 0	0	0	0
TOTAL (ALL NSPE)					1	В									1											7										(	)					

# DETAILED BREAKDOWN OF DIRECT ADMINISTRATIVE LABOR HOURS BUDGETED ON SCHEDULE 2.11(b-1)

Engineer/Contract Number <u>D002478</u>
Project Name <u>South Hills Dump Site /Lehigh Redesign</u>
Work Assignment Number <u>D002478-45</u>

	_										
ADMINISTRATIVE TASKS					Tot Admi	Total Direct Administrative Labor Hours	ative urs				
NSPE LEVEL	6	æ	7	9	S	4	က	2	-	WP	Total
Task 1	0	26	0	0	0	0	0	0	0	56	82
Task 2	0	35	0	0	0	0	0	12	က	67	117
Task 3											
Task 4	0	-	0	0	6	0	0	0	-	20	31
SUBTOTALS	0	62	0	0	9	0	0	12		4 143	230
TOTAL (ALL NSPE)					230						

# Schedule 2.11(c and d) MAXIMUM REIMBURSEMENT RATES FOR DIRECT NON-SALARY COSTS WORK ASSIGNMENT D002478-45

		Maximum		Estimated	Total	
		Reimbursement		Number of	Estimated	
	Item	Rate	Unit	Units	Cost	
Α	In-House Costs					
	1. Telephone	\$1.00	Actual Cost	615.00	\$ 615.00	
	2. Photocopies	\$0.05	Page	7995.00	\$ 399.75	
	3. Postage	\$1.00	Actual Cost	2930.00	\$ 2,930.00	
	4a. Blueline Prints	\$1.00	Page	576.00	\$ 576.00	
	4b. Reproducable Prints	\$3.00	Page	12.00	\$ 36.00	
	5. Materials and Supplies	\$1.00	Page	800.00	\$ 800.00	
	6a. Telecopies (Domestic)	\$1.00	Page	275.00	\$ 275.00	
	6b. Telecopies (Overseas)	\$5.00	Page	0.00	\$ -	
	7. Personal Computer	\$1.50	Hour	376.00	\$ 564.00	
	8. Auto Cad	\$15.00	Hour	80.00	\$ 1,200.00	
	9. Field Equipment	\$1.00	<b>Actual Cost</b>	9369.00	\$ 9,369.00	
	10. Level D Equipment	\$19.00	Day	18.00	\$ 342.00	
	11. Level C Equipment	\$40.00	Day	15.00	\$ 600.00	
	12. Level B Equipment	\$100.00	Day	30.00	\$ 3,000.00	
				Subtotal	\$ 20,706.75	
В.	Miscellaneous					
	Travel					
	a. Air Fare	\$1.00	Actual Cost	0.00	\$ -	
	b1. Auto Rental	\$75.00	Day	10.50	\$ 787.50	
	b2. Truck/Van Rental	\$130.00	Day	27.00	\$ 3,510.00	
	c. Personal Mileage	\$0.25	Miles	0.00	\$ -	
	d. Per Diem	\$106.00	Day	1.00	\$ 106.00	
	e. Miscellaneous Expense	\$1.00	Actual Cost	25.00	\$ 25.00	
				Subtotal	\$ 4,428.50	

Engineer	Engineering-Science,	Inc			chedule 2.11(g			Page <u>1 of 1</u>
Engineer Contract No. Project Name Task No./Name Complete	D002478-45 South Hill Dump Site I Work Assignment Sur	RI/Lehigh Redesign			OF FISCAL INF			Date Prepared <u>17-Jan-97</u> Billing Period <u>NA</u> Invoice No. <u>NA</u>
	Α	В	c ·	D	E	F	G	Н
	^	J		-		Estimated		
	Costs	Paid	Total	Total Costs	Estimated	Total Work		Estimated Under/Over
Expenditure	Claimed	to	Disallowed	Incurred To Date (A+B+C)	Costs To Completion	Assignment Price (A+B+E)	Approved Budget	(G-F)
Category	This Period	Date	To Date	Date (A+D+C)	Completion	FIICO (ATDTL)	Duogot	(2.)
Direct Salary     Costs							\$ 44,202.32	
2. Indirect Costs 117.3%	ă.		<b>X</b>				\$ 51,849.32	
3. Subtotal Direct Salary Costs and Indirect Costs	1						\$96,051.64	
4. Travel							\$ 4,428.50	
5. Other Non- Salary Costs							\$ 20,706.75	
6. Subtotal Direct Non-Salary Cost	s						\$25,135.25	
7. Subcontractors							\$ 151,769.35	
8. Total Contract Cost							\$272,956.24	
9. Fixed Fee 15%							\$ 14,407.75	
10. Total Contract Price		OA	W1 18A				\$287,363.99	./
Project Ma	nager (Engineer)	Jun	M ru	one			_ Date _	1/17/97

Engineer Contract No. Project Name Complete	Engineering-Science, Inc.  D002478-45 South Hill Dump Site RI/Lehigh	. Redesign		Schedule 2.11(g) DNTHLY COST C SUBCON	ONTROL REPO		Billin	Page 1 of 1 Prepared 17-Jan-97 ng Period NA voice No.
	Α	В	С	D	E	F	G	
Subcontract Name	Subcontract Costs Claimed This Application Incl. Resubmittals	Subcontract Costs Approved for Payment on Previous Appl.	Total Subcontract Costs to Date (A+B)	Subcontract Approved Budget	Management Fee Budget*	Management Fee Paid	Total Costs to Date (C+F)	
SJB Services			\$ -	\$ 8,147.00	\$ -		\$	
ERD Environmental			\$ -	\$ 25,300.00	\$ 1,265.00		\$	
NYTEST Environmental, inc.			\$ -	, \$ 99,737.00	\$ 4,986.85		\$	
Atlas Fence			\$ -	\$ 8,428.50	\$ -		\$	
S. F. THEW, P.E.,L.S.			\$ -	\$ 3,905.00	\$ -		\$	
Totals	\$ -	•	\$ -	\$ 145,517.50	\$ 6,251.85	\$ -	\$	1/1/-
Project Ma	anager (Engineer)	1th	i Mt	liero			Da	te ///7/9

<sup>\*</sup> Total Subcontract Value on Work Assignment Exceeds \$10,000

### Schedule 2.11(h)

# MONTHLY COST CONTROL REPORT

### **SUMMARY OF LABOR HOURS**

### NUMBER OF DIRECT LABOR HOURS EXPENDED TO DATE/ESTIMATED NUMBER OF DIRECT LABOR HOURS TO COMPLETION

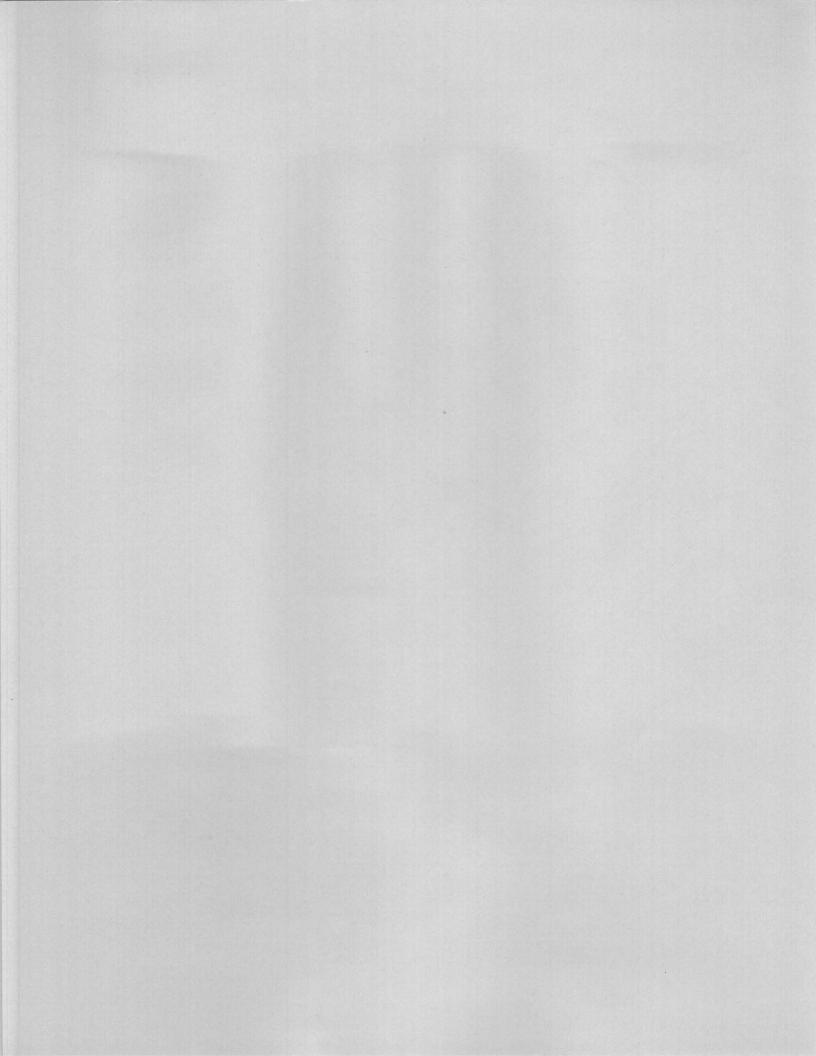
Engineering-Science, Inc. D002478-45 Engineer

Contract No.

**Project Name** South Hill Dump Site RI/Lehigh Redesign

Complete % Date Prepared 14-Nov-96
Billing Period NA Invoice No. NA

				Prin	cipal	Prin	cipal		rvising		rvising		taff			aff			cialist	W	ord	Total	
1		Off	icer	Eng	gr. 1	Eng	gr. 2	Scien./	Engr. 1	Scien./	Engr. 2	Scien.	Engr. 1	Scien.	Engr. 2	Scie	ent. 1	1.0	00	Proc	essor	of Di	rect
No.		- 1	X	V	111	V	/11	1	/	,	V	ľ	V		III		ll .		1	V	VP	Lab	or
	Maximum																				1	Hou	ırs
	Reimbursement Rates	\$51	.00	\$46	.50	\$35	.64	\$32	2.79	\$26	6.69	\$24	1.77	\$21	1.87	\$19	.57	\$12	2.98	\$12	2.84		
	Task	EXP	EST	EXP	EST	EXP	EST	EXP	EST	EXP	EST	EXP	EST	EXP	EST	EXP	EST	EXP	EST	EXP	EST	EXP	EST
South I	Hills Dump Site							1400															
Task 1	Scoping and Work Plans		0.0		93.0		0.0		0.0		28.0		2.0		0.0		100.0		24.0		80.0	0.0	327.0
Task 2	Remedial Investigation		0.0		63.0		0.0		0.0		0.0		170.0		589.0		152.0		202.0		102.0	0.0	1278.0
Lehigh	Redesign								2.64	HITCH I													
Task 3	Task 3 Subtotal		0.0		21.0		0.0		0.0		14.0		4.0		0.0		16.0		4.0		4.0	0.0	63.0
Task 4	Drainage System Re-Design		0.0		5.0		7.0		12.0		133.0		0.0		24.0		80.0		5.0		32.0	0.0	298.0
	Total Hours/Units		0.0		182.0		7.0		12.0		175.0		176.0		613.0		348.0		235.0		218.0	0.0	1966.0



# Schedule 2.11(a) SUMMARY OF TOTAL CONTRACT PRICE WORK ASSIGNMENT D002478-45

South Hill Dump Site

1	Direct Salary Costs (Schedules 2.10(a)	and 2.11(b))	\$	35,345.19
2	Indirect Costs (Schedule 2.10(g))		\$	41,459.91
3	Direct Non-Salary Costs (Schedules 2.	10(d,e,f) and 2.11(c,d))	\$	22,076.25
	Subcontract Costs			
	Cost-Plus-Fixed-Fee Subcon	stracts (Schedule 2.10(e) and 2.11(e))		
	Name of Subcontractor	Services to be Performed	Su	bcontract Price
4	Total Cost-Plus-Fixed-Fee S	ubcontracts	\$	
4	Total Cost-Plus-Fixed-Fee S Unit Price Subcontracts (Sc		\$	
4	Unit Price Subcontracts (So	chedule 2.10(f) and 2.11(f))  Services to be Performed	Sı	ubcontract Price
4	Unit Price Subcontracts (Sc Name of Subcontractor Atlas Fence	shedule 2.10(f) and 2.11(f))  Services to be Performed Fencing	<u>sı</u> \$	8,428.50
4	Unit Price Subcontracts (Sc Name of Subcontractor Atlas Fence SJB Services	Services to be Performed Fencing Drilling and Well Installation	<u>sı</u> \$ \$	8,428.50 8,147.00
4	Unit Price Subcontracts (Sc Name of Subcontractor Atlas Fence SJB Services ERD Environmental	Services to be Performed Fencing Drilling and Well Installation Test Pit Excavation	<u>s</u> ı \$ \$	8,428.50 8,147.00 25,300.00
4	Unit Price Subcontracts (Sc Name of Subcontractor Atlas Fence SJB Services	Services to be Performed Fencing Drilling and Well Installation	<u>sı</u> \$ \$	8,428.50 8,147.00
	Unit Price Subcontracts (So Name of Subcontractor Atlas Fence SJB Services ERD Environmental NYTEST Environmental, Inc. S. F. THEW, P.E.,L.S.	Services to be Performed Fencing Drilling and Well Installation Test Pit Excavation Analytical Laboratory Services	21 \$ \$ \$ \$	8,428.50 8,147.00 25,300.00 99,737.00 3,905.00
5	Unit Price Subcontracts (So	Services to be Performed Fencing Drilling and Well Installation Test Pit Excavation Analytical Laboratory Services	zi \$	8,428.50 8,147.00 25,300.00 99,737.00 3,905.00
5 6	Unit Price Subcontracts (Sc  Name of Subcontractor  Atlas Fence  SJB Services  ERD Environmental  NYTEST Environmental, Inc.  S. F. THEW, P.E.,L.S.  Total Unit Price Subcontracts  Subcontract Management Fee	Services to be Performed Fencing Drilling and Well Installation Test Pit Excavation Analytical Laboratory Services	55 \$ \$ \$ \$	8,428.50 8,147.00 25,300.00 99,737.00 3,905.00 145,517.50 6,251.85
5 6 7	Unit Price Subcontracts (So	Services to be Performed Fencing Drilling and Well Installation Test Pit Excavation Analytical Laboratory Services	zi \$	8,428.50 8,147.00 25,300.00 99,737.00 3,905.00

# Schedule 2.11(b) NUMBER OF DIRECT LABOR HOURS BUDGETED WORK ASSIGNMENT D002478-45 South Hill Dump Site

			Principal	Principal	Supervising	Supervising Supervising	Supervising Supervising Staff Staff	Staff	Coiont 1	Specialist	Word	Subtotal
No.	Task	X	VIII	VIII	Scienzengr. 1	Scienzengr. 2	Jones IV	Scient. Engl. 2		0.	WP	
	Maximum Reimbursement Rates	\$51.00	\$46.50	\$35.64	\$32.79	\$26.69	\$24.77	\$21.87	\$19.57	\$12.98	\$12.84	
ask 1	Task 1 Scoping and Work Plans	0.0	93.0	0.0	0.0	28.0	2.0	0.0	100.0	24.0	80.0	327.0
ask 2	Task 2 Remedial Investigation	0.0	63.0	0.0	0.0	0.0	170.0	589.0	152.0	202.0	102.0	1278.0
	Total Hours/Units	0.0	156.0	0.0	0.0	28.0	172.0	589.0	252.0	226.0	182.0	1605.0
	Total Direct Labor Cost		\$ 7,254.00		s	\$ 747.32	\$ 4,260.44	747.32 \$ 4,260.44 \$ 12,881.43 \$ 4,931.64 \$ 2,933.48 \$ 2,336.88 \$ 35,345.19	\$ 4,931.64	\$ 2,933.48	\$ 2,336.88	\$ 35,345.19

# Schedule 2.11(b-1) NUMBER OF DIRECT ADMINISTRATIVE LABOR HOURS BUDGETED WORK ASSIGNMENT D002478-45 South Hill Dump Site

			Principal	Principal	Supervising	Supervising Supervising	Staff	Staff		Specialist	Word	Subtotal
		Officer	Engr. 1	Engr. 2	Scien./Engr. 1	Scien./Engr. 2	Scien. Engr. 1	Scien./Engr. 1   Scien./Engr. 2   Scien. Engr. 1   Scien. Engr. 2	Scient. 1	1.00	Processor	Labor Hrs.
No.	Task	×	NIII	IIA	IN	^	2	=	Н	_	WP	
	Maximum Reimbursement Rates	\$51.00	\$46.50	\$35.64	\$32.79	\$26.69	\$24.77	\$21.87	\$19.57	\$12.98	\$12.84	
Task 1	Task 1 Scoping and Work Plans	0.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56.0	82.0
Task 2	Task 2 Remedial Investigation	0.0	35.0	0.0	0.0	0.0	0.0	0.0	12.0	3.0	67.0	117.0
	AL .											
	Total Hours/Units	0.0	61.0	0.0	0.0	0.0	0.0	0.0	12.0	3.0	123.0	199.0
	Total Direct Labor Cost	· &	\$ 2,836.50 \$	· •>		49	49	49	\$ 234.84 \$		38.94 \$ 1,579.32 \$ 4,689.60	\$ 4,689.60

# Schedule 2.11(c and d) MAXIMUM REIMBURSEMENT RATES FOR DIRECT NON-SALARY COSTS WORK ASSIGNMENT D002478-45

South Hill Dump Site

n-House Costs  Telephone Photocopies Postage Blueline Prints Reproducable Prints Materials and Supplies Telecopies (Domestic) Telecopies (Overseas) Personal Computer Auto Cad Field Equipment Level D Equipment	\$1.00 \$0.05 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.50 \$1.50 \$1.00 \$1.00		535.00 6995.00 2755.00 10.00 2.00 800.00 195.00 0.00 302.00 8.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	535.00 349.75 2,755.00 10.00 6.00 800.00 195.00 - 453.00 120.00	
n-House Costs  . Telephone . Photocopies . Postage a. Blueline Prints b. Reproducable Prints . Materials and Supplies a. Telecopies (Domestic) b. Telecopies (Overseas) . Personal Computer . Auto Cad . Field Equipment 0. Level D Equipment	\$1.00 \$0.05 \$1.00 \$1.00 \$3.00 \$1.00 \$1.00 \$5.00 \$1.50 \$15.00	Actual Cost Page Actual Cost Page Page Page Page Hour Hour	535.00 6995.00 2755.00 10.00 2.00 800.00 195.00 0.00 302.00 8.00	* * * * * * * *	535.00 349.75 2,755.00 10.00 6.00 800.00 195.00	
. Telephone . Photocopies . Postage a. Blueline Prints b. Reproducable Prints . Materials and Supplies a. Telecopies (Domestic) b. Telecopies (Overseas) . Personal Computer . Auto Cad . Field Equipment 0. Level D Equipment	\$0.05 \$1.00 \$1.00 \$3.00 \$1.00 \$1.00 \$5.00 \$1.50 \$1.50	Page Actual Cost Page Page Page Page Page Hour	6995.00 2755.00 10.00 2.00 800.00 195.00 0.00 302.00 8.00	* * * * * * * *	349.75 2,755.00 10.00 6.00 800.00 195.00 - 453.00	
. Photocopies . Postage a. Blueline Prints b. Reproducable Prints . Materials and Supplies a. Telecopies (Domestic) b. Telecopies (Overseas) . Personal Computer . Auto Cad . Field Equipment 0. Level D Equipment	\$0.05 \$1.00 \$1.00 \$3.00 \$1.00 \$1.00 \$5.00 \$1.50 \$1.50	Page Actual Cost Page Page Page Page Page Hour	6995.00 2755.00 10.00 2.00 800.00 195.00 0.00 302.00 8.00	* * * * * * * *	349.75 2,755.00 10.00 6.00 800.00 195.00 - 453.00	
. Photocopies . Postage a. Blueline Prints b. Reproducable Prints . Materials and Supplies a. Telecopies (Domestic) b. Telecopies (Overseas) . Personal Computer . Auto Cad . Field Equipment 0. Level D Equipment	\$0.05 \$1.00 \$1.00 \$3.00 \$1.00 \$1.00 \$5.00 \$1.50 \$1.50	Page Actual Cost Page Page Page Page Page Hour	6995.00 2755.00 10.00 2.00 800.00 195.00 0.00 302.00 8.00	* * * * * * * *	349.75 2,755.00 10.00 6.00 800.00 195.00 - 453.00	
. Postage a. Blueline Prints b. Reproducable Prints . Materials and Supplies a. Telecopies (Domestic) b. Telecopies (Overseas) . Personal Computer . Auto Cad . Field Equipment 0. Level D Equipment	\$1.00 \$1.00 \$3.00 \$1.00 \$1.00 \$5.00 \$1.50 \$15.00 \$1.00	Actual Cost Page Page Page Page Page Hour	2755.00 10.00 2.00 800.00 195.00 0.00 302.00 8.00	\$ \$ \$ \$ \$ \$ \$	2,755.00 10.00 6.00 800.00 195.00 - 453.00	
a. Blueline Prints b. Reproducable Prints . Materials and Supplies a. Telecopies (Domestic) b. Telecopies (Overseas) . Personal Computer . Auto Cad . Field Equipment 0. Level D Equipment	\$1.00 \$3.00 \$1.00 \$1.00 \$5.00 \$1.50 \$15.00 \$1.00	Page Page Page Page Hour Hour	10.00 2.00 800.00 195.00 0.00 302.00 8.00	\$ \$ \$ \$ \$ \$	10.00 6.00 800.00 195.00 - 453.00	
b. Reproducable Prints . Materials and Supplies a. Telecopies (Domestic) b. Telecopies (Overseas) . Personal Computer . Auto Cad . Field Equipment 0. Level D Equipment	\$3.00 \$1.00 \$1.00 \$5.00 \$1.50 \$15.00 \$1.00	Page Page Page Page Hour Hour	2.00 800.00 195.00 0.00 302.00 8.00	\$ \$ \$ \$	6.00 800.00 195.00 - 453.00	
. Materials and Supplies a. Telecopies (Domestic) b. Telecopies (Overseas) . Personal Computer . Auto Cad . Field Equipment 0. Level D Equipment	\$1.00 \$1.00 \$5.00 \$1.50 \$15.00 \$1.00	Page Page Page Hour Hour	800.00 195.00 0.00 302.00 8.00	\$ \$ \$	800.00 195.00 - 453.00	
a. Telecopies (Domestic) b. Telecopies (Overseas) . Personal Computer . Auto Cad . Field Equipment 0. Level D Equipment	\$1.00 \$5.00 \$1.50 \$15.00 \$1.00	Page Page Hour Hour	195.00 0.00 302.00 8.00	\$ \$	195.00 - 453.00	
b. Telecopies (Overseas) . Personal Computer . Auto Cad . Field Equipment 0. Level D Equipment	\$5.00 \$1.50 \$15.00 \$1.00	Page Hour Hour	0.00 302.00 8.00	\$	453.00	
Personal Computer     Auto Cad     Field Equipment     Level D Equipment	\$1.50 \$15.00 \$1.00	Hour Hour	302.00 8.00	\$		
. Auto Cad . Field Equipment 0. Level D Equipment	\$15.00 \$1.00	Hour	8.00		120.00	
. Field Equipment 0. Level D Equipment	\$1.00	Actual Cost			0.00	
0. Level D Equipment	\$19.00		8819.00	\$	8,819.00	
		Day	14.00	\$	266.00	
	\$40.00	Day	15.00	\$	600.00	
2. Level B Equipment	\$100.00	Day	30.00	\$	3,000.00	
					,	
			Subtotal	\$	17,908.75	
liscellaneous						
ravel						
. Air Fare	\$1.00	Actual Cost	0.00	\$	-	
1. Auto Rental	\$75.00	Day	10.50	\$	787.50	
2. Truck/Van Rental	\$130.00	Day	26.00	\$	3,380.00	
. Personal Mileage	\$0.25	Miles	0.00	\$	-	
	\$106.00	Day	0.00	\$	-	
. Miscellaneous Expense	\$1.00	Actual Cost	0.00	\$	-	
			Subtotal	\$	4,167.50	
			Total	\$	22,076.25	
	fiscellaneous  fravel  Air Fare  1. Auto Rental  2. Truck/Van Rental  Personal Mileage  Per Diem  Miscellaneous Expense	ravel  . Air Fare \$1.00 1. Auto Rental \$75.00 2. Truck/Van Rental \$130.00 . Personal Mileage \$0.25 . Per Diem \$106.00	fravel  Air Fare \$1.00 Actual Cost 1. Auto Rental \$75.00 Day 2. Truck/Van Rental \$130.00 Day  Personal Mileage \$0.25 Miles Per Diem \$106.00 Day  Miscellaneous Expense \$1.00 Actual Cost	Travel	Subtotal   Subtotal   Subtotal   Subtotal   Subtotal   Subtotal   Since   Subtotal   Since   Subtotal   Since   Subtotal   Since   S	Subtotal   Since   S

## Schedule 2.11(f) UNIT PRICE SUBCONTRACT WORK ASSIGNMENT D002478-45

# South Hill Dump Site

NAME OF SUBCONTRACTOR

SERVICES TO BE PERFORMED Fencing

SUBCONTRACT PRICE

1. Atlas Fence

\$ 8,428.50

Item	MAXIMUM REIMBURSEMENT RATE	U	EST NO INIT UNITS	TOTAL ESTIMATED COST	WEEK DELIVERY IS ANTICIPATED
Mobilization/Demobilization Fence-line Installed Access Gate, 16-ft wide Remove and dispose of existing fencing Remove and dispose of existing gate Borings to set gate posts Padlocks	\$390 \$17 \$475 \$2 \$120 \$20 \$28	Is If ea If Is ea ea	1 409 2 42 1 4 2	\$390 \$6,749 \$950 \$84 \$120 \$80 <u>\$56</u>	\$ 8,428.50
			SUBCONTRACT MAN	AGEMENT FEE =	s -
			,	TOTAL COST =	\$ 8,428.50

# Schedule 2.11(f) UNIT PRICE SUBCONTRACT

# WORK ASSIGNMENT D002478-45

South Hill Dump Site

NAME OF SUBCONTRACTOR

1. SJB Services

SERVICES TO BE PERFORMED
Drilling and Well Installation

SUBCONTRACT PRICE \$ 8,147.00

ltem	MAXIMUM REIMBURSEMENT RATE	UNIT	EST NO UNITS	TOTAL ESTIMATED COST	WEEK DELIVER
TASK 2.6 MONITORING WELL INSTALLATION					
BEDROCK WELL INSTALLATION					
6.25-Inch ID HSA Drilling	\$16	ft	52	\$832	
Continuous 2" SS Sampling	\$7	Sample	24	\$168	
5-Inch Roller Bit Drilling (Rock Socket)	\$35	ft	8	\$280	
HX Rock Coring (0 to 50 feet)	\$35	ft	40	\$1,400	
Rock Dore Boxes	\$0	ft	4	\$0	
Install 4-Inch Steel Riser Casing (Including grout)	\$20	ft	72	\$1,440	
Locking Cap for 4-Inch Steel Riser Casing	\$75	Cap	4	\$300	
			SUBTOTAL =	\$4,420	
OVERBURDEN WELL INSTALLATION			Stepped.	2 1000	
4.25 * HSA Drilling	\$10	ft	40	\$400	
2-Inch, Schedule 40, PVC Screen (0.010-inch slot)	\$3	ft	20	\$60	
2-Inch, Schedule 40, PVC Riser Casing	\$2	ft	32	\$64	
Sand Pack (No. 1 Morie or equivalent, Installed)	\$12	ft	28	\$336	
Bentonite Pellet Well Seal (Installed)	\$13	ft	8	\$104	
Grout PVC Riser Casing	\$7	ft	4	\$28	
4-Inch Steel Protective Casing with Locking Cap	\$110	Well	4	\$440	
			SUBTOTAL =	\$1,432	
Additional Items					
Mobilization/Demobilization	\$500	ls	1.00	\$500	
ATV Surcharge	\$200	ls	1.00	\$200	
Steam Cleaner	\$50	day	5.00	\$250	
Generator	\$50	day	5.00	\$250	
Water Truck	\$75	day	5.00	\$375	
Decontamination	\$120	hr	6.00	\$720	
Well Development by Pumping	\$150 \$120	hr hr	0.00	\$0 \$0	
Standby Per Diem	\$120	day	5	\$0 \$0	
		,	SUBTOTAL =	\$2,295	
ORILLING AND MONTEACHED WITH THE TOTAL OF TH	011				
DRILLING AND MONITORING WELL INSTALLATION	OH .				
			т	OTAL COST =	\$ 8,14
		SUBCO	NTRACT MANA	GEMENT FEE =	s
DRILLING AND MONITORING WELL INSTALLATION	ON		Y MAN TO SERVICE OF THE PARTY O		***************************************