

### U.S. Army Corps of Engineers

New England District Concord, Massachusetts

Soil and Sediment Remediation
Open Burning Grounds
Seneca Army Depot Activity
Romulus, New York

Contract No. DACW33-95-D-0004

COST PROPOSAL DCN: SEDA-091698-AAAW

18 September 1998





Roy F. Weston, Inc.
One Wall Street
Manchester, New Hampshire 03101-1501
603-656-5400 • Fax 603-656-5401

18 September 1998

W. O. #: 00934-108-159

U.S. Army Corps of Engineers North Atlantic Division, New England District 696 Virginia Road Concord, Massachusetts 01742-2751

Attn: Ms. Sheila Winston-Vincuilla, CENAE-CT-C

Re: Contract No. DACW33-95-D-0004

Seneca Army Depot Activity

Romulus, New York

DCN: SEDA-091698-AAAW

Subject: Cost Proposal for Seneca Army Depot Activity, Open Burning Grounds

Remediation

Dear Ms. Winston-Vincuilla:

Enclosed please find one (1) original and three (3) copies of the Cost Proposal for the Seneca Army Depot Activity, Open Burning Grounds Remediation, located in Romulus, NY. This cost proposal was prepared in accordance with the Parsons Engineering Inc. Final Technical Specifications for Soil and Sediment Remediation (August 1998). The cost proposal reflects revisions discussed with the CENAE New England District, Parsons Engineering Inc., EOD Technology, and the Huntsville, Alabama U.S. Army Engineering Division on 4 June 1998.

The Revised Cost Proposal includes forms SF1411, OP60, Fee Computation, detailed cost spreadsheets, Technical and Cost Assumptions, and related cost backup. In accordance with the Request For Proposal dated 9 September 1998, our Cost Proposal is based on a cost plus fixed fee task order. We look forward to working with both the U.S. Army Corps of Engineers New England District and New York District on this project. If you have any questions, please do not hesitate to contact Christopher Kane or me at (603) 656-5421.

Very truly yours,

ROY F. WESTON, INC.

John W. Hammond Vice President

JWH:era

Encl.

cc: C. Scabia, CENAE

C. Kane, WESTON (PF)

P. Mercier, WESTON L Alderfer, WESTON

P. Bishop, WESTON R. Rico, WESTON (DCN)

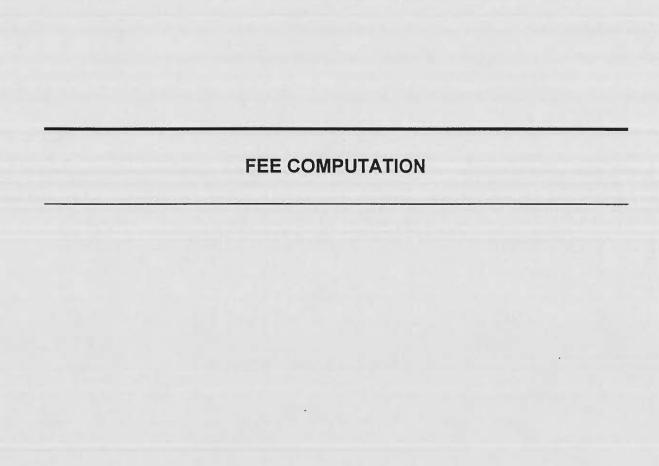


		: 1 SO	LICITATION/CONTRACT/MODI	FICATION	FORM APPROVED
CONTRACT PRICING	PROPOSAL COVER SHEET	NO	DACW33-95-D-0004/0013		OMB NO.
					9000-0013
NOTE: This form is used in o	contract actions if submission of cost or pricing data is require	rea.	(See FAR 15.804-6(b))		
	F OFFEROR (INCLUDE ZIP CODE)		AME AND TITLE OF OFFEROR	R'S POINT	3B. TELEPHONE NO.
		0	F CONTACT Roberto Rico		603-656-5400
Roy F. Weston, Inc.		ĺ	Program Mana	ager	
One Wall Street			A. NEW CONTRACT		D. LETTER CONTRACT
Manchester, NH 031	01-1501		B. CHANGE ORDER		E. UNPRICED ORDER
			C. PRICE REVISION/		F. OTHER (Specify)
		!	REDETERMINATION		X Modification
5. TYPE OF CONTRACT (CI	neck)	:		ROPOSED COST (A+B=	
[] FFP [X ] CPFF	[] CPIF [] CPAF	A, CO		1	C. TOTAL
[] FFI [] CTHER	* * * * * * * * * * * * * * * * * * * *		\$5,542,084	\$457,460	\$5,999.5
7. PLACE(S) AND PERIOD(			40,012,001	<b>4 107,100</b>	Ψ0,000,0
	5, 51 1 2111 3111111112				
Seneca Army Depot. Se	neca, NY October 1998-November 1999				
	ntification, quantity and total price proposed for each contrac	t line ite	m. A line item cost breakdown	supporting the recan is	required unless
otherwise specified by the C		t into ito	A mie kem oost breakdown	supporting the recup is	required diffess
A. LINE ITEM NO	B. IDENTIFICATION		C. QUANTITY	D. TOTAL PRICE	E. REF.
A. EINE REMINO	D. IDEITH IOATION		O. GOMINI	D. TOTALT RIOL	C. KEF.
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	Comment Downst Coding and Coding			¢ 5000544	
	Seneca Army Depot Soil and Sediment Remediation	מכ		\$ 5,999,544	
i					
1					
			1		
	<ol><li>PROVIDE NAME, ADDRESS, AND TELES</li></ol>	PHONE	NUMBER FOR THE FOLLOW!	NG (if available)	
A. CONTRACT ADMINISTRA	ATION OFFICE	B. AU	DIT OFFICE		
DCMAO, Philadelphi	a		Defense Contract Audit Agend	су	
Attn.: DCMDM-GAAF	-9Y		1421 Cherry Street		
P.O. Box 7699			Philadelphia, PA 19102		
Philadelphia, PA 191	01-7699		(215) 597-4260		
(215) 737-3558	01-7000		(213) 337-4200		
	E USE OF ANY GOVERNMENT PROPERTY IN THE	1444 0	O VOLL DECLIEDE	11B TYPE OF FINANC	SIMO (-b-alcasa)
1		1	O YOU REQUIRE	11B. TYPE OF FINANC	ing (check one)
PERFORMANCE OF THIS V	/ORK 7 (if "yes" identify)		NMENT CONTRACT		
		FINANC	ING TO PERFORM THIS	[ ] ADVANCE PAYME	
		PROPO	SED CONTRACT? (If "yes"	[] PROGRESS PAYM	MENTS
		complet	e item 11B)	[ ] GUARANTEED LO	SANS
[] YES [X]NO		[] Y	ES [X] NO		
12. HAVE YOU BEEN AWAR	RDED ANY CONTRACTS OR SUBCONTRACTS FOR THE	13. IS	THIS PROPOSAL CONSISTEN	T WITH YOUR ESTABLE	ISHED ESTIMATING
SAME OR SIMILAR ITEMS V	WITHIN THE PAST 3 YEARS?	AND.	ACCOUNTING PRACTICES AN	ND PROCEDURES AND	FAR PART 31 COST
(If "Yes," identify item(s), cus	tomer(s) and contract number(s)	PRIN	CIPLES? (If "No," explain)		
[] YES [X] NO		[X] Y	ÆS [] NO		
	14. COST ACCOUNTING STANDARDS BOARD (CAS	SB) DAT	A (Public Law 91-379 as amen	ded and FAR PART 30)	
A. WILL THIS CONTRACT A	ACTION BE SUBJECT TO CASB REGUALTIONS? (If "No."		VE YOU SUBMITTED A CASB		MENT (CASB DS.1 OR
explain in proposal)		2) (1f"	Yes," specify in proposal the of	fice to which submitted	and if
1		1 ''	mined to be adequate)		
[X] YES [] NO		1	, ,	F. Caruso, ACO	
[1,10		1,,,		DCMAO, Phila., "Adequ	rata"
C HAVE YOU BEEN NOTIFI	ED THAT YOU ARE OR MAY BE IN NONCOMPLIANCE	D IS	ANY ASPECT OF THIS PROPO		
	STATEMENT OR COST ACCOUNTING	1	LOSED PRACTICES OR APPL		
		I .		ICABLE COST ACCOUN	TIING STANDARDS?
STANDARDS? (If "Yes," expl	ain in proposal)	(it 1e	es," explain in proposal)		
[] YES [X] NO		111 4	S[X] NO		
		<del></del>			
	e to the RFP, contract, modification, etc. in Item 1 and reflects our best estim				
	roposal, the offeror, if selected for negotiation, grants the contracting officer				
records, documents and other types	of factual information, regardless of form or whether such supporting informat	don is spe	cifically referenced or included in the pr	oposal as the basis for pricing,	that will permit
an adequate evaluation of the propos	ed price.	,			
15. NAME AND TITLE (TYPE	)	16. NA	ME OF FIRM		
Roberto Rico			ROY F. WESTON, INC.		
Program Manager					
/ rogram Manager	<i>j j</i>				
17 SIGNATURE		1		19 DATE OF CURLING	2ON
17. SIGNATURE	h// /L			18. DATE OF SUBMISS	ION
X M. 1	West Comment			10.0 00	
1 / VIIIII	N. Hamimono		ļ	18-Sep-98	
1 voulty	1 10000000				

STANDARD FORM 1411 (REV.7-87) PRESCRIBED BY GSA FAR (48 CFR) 53.215-2(C)

# FORM OP 60

CONTRACT PRICING PROPOSAL			PAGE NO.	1 OF 1		
Name of Offeror: Roy F. Weston, Inc.	<u> </u>					
Office Address:	Supplies and/or Servi	ces to be Furnished;				
Weston Way, West Chester, PA 19380	Seneca Army Depot S	Soil and Sediment Remedia	tion			
	7074			D 4 0) 4 / 00 05 D	0004	
Division and Location(s) where work to be performed:	TOTAL AMOUNT OF	PROPOSAL:	Contract Number	DACW33-95-D-	0004	
Roy F. Weston, Inc.		909 544				
One Wall Street  Manchester, NH 03101-1501	\$5,	999,544				
Wallanester, MA 03101-1301	DETAIL	DESCRIPTION OF COST I	FLEMENTS			
1. DIRECT MATERIAL	OE IT IL	DECOMM THOM OF COURT		EST COST	TOTAL COST	REF
a. Purchased Parts				\$0		
b. Subcontracted Items				\$0		
c. Other: (1) Raw Material						
(2) Your Standard Commmercial Items				\$0		
(3) Interdivisional Transfers (at Other than cost)				\$0		
TOTAL DIRECT MATERIAL					\$0	
2. MATERIAL OVERHEAD (Rate % X \$ base = )						
TOTAL MATERIAL OVERHEAD				\$0	\$0	
			·			
3. DIRECT LABOR (Specify)		EST HOURS	RATE/HR	EST COST		
See EXHIBIT A						
TOTAL DIRECT LABOR		-	\$715,566	\$715,566	\$715,566	
4. LABOR OVERHEAD (Specify Department or Cost Center)		OH RATE	X BASE =	EST COST		
Overhead		0.743	\$715,566	\$531,665		
Fringe Benefits		0.346	\$715,566	\$247,586	ATTO 054	
TOTAL LABOR					\$779,251	
COPPOINT TECTION.						
5. SPECIAL TESTING: S. SPECIAL EQUIPMENT						
7. TRAVEL:				EST COST		
a. Transportation				\$45,042		
a. Halloportation						
TOTAL TRAVEL					\$45,042	
B. CONSULTANTS (Identify - purpose - rate)				EST COST		
TOTAL CONSULTANTS				\$2,197,450	\$2,197,450	
9. OTHER DIRECT COSTS						
a. Non G&A Qualified Expenses				\$12,793		
b. G&A Qualified Expenses				\$1,406,020		
TOTAL OTHER DIRECT COSTS					\$1,418,813	
					05.450.400	
10. TOTAL DIRECT COSTS AND OVERHEAD					\$5,156,122	
11. GENERAL AND ADMINISTRATIVE EXPENSE	0.125			\$2,945,879	\$368,235	
11. GENERAL AND ADMINISTRATIVE EXPENSE	0.123	(Cost items 3 4 7 9h)		\$2,545,675	\$000,200	
		(Cost items 3, 4, 7, 9b)				
12. FACILITIES CAPITAL COST OF MONEY				'	\$17,727	
IL LAGISTIES ON TIME COST OF MORE!					,	
13. TOTAL ESTIMATED COST			_ 1100		\$5,542,084	
14. FEE OR PROFIT		771			-	
TOTAL FEE				\$457,460	\$457,460	
A TOTAL POTILIATED COOT AND FEE OF PROPIT					\$5,999,544	
15. TOTAL ESTIMATED COST AND FEE OR PROFIT						



#### FEE COMPUTATION

Soil and Sediment Remediation Seneca Army Depot Contract DACW33-95-D-0004 RFP No. 29

#### I. GENERAL INFORMATION

- A. <u>Task Order Description</u> This task order involves excavation, solidification or stabilization, and disposal of soils contaminated from ordnance destruction (burning) and contaminated creek sediments. More specifically activities will include finalizing plans; obtaining permits; surveying; mobilization (two times); sampling and analysis of air, soil, sediment, and wastewater; soil/sediment excavation; solidification/stabilization; transportation and disposal; wastewater removal and treatment; erosion control; streambank stabilization; backfilling; landscaping; wetland restoration; well installation and decommissioning; demobilization (two times); and preparation of reports.
- B. <u>Location</u> The remediation activities will be performed at the Seneca Army Depot, Open Burning Grounds located in Seneca, NY. Planning, management, report preparation and administration will be performed from the WESTON® office in Manchester, NH.
- C. <u>Management Services Required</u> The management emphasis for this effort will be on completing of plans; developing subcontractor scopes of work and selecting subcontractors; managing resources, subcontractors and activities, preparing reports, and coordinating with Corps of Engineers New England and New York Districts, the Seneca Army Depot BRAC office, NYDEC, and the UXO Contractor.
- D. <u>Work Performed by Others</u> Coordination with Corps of Engineers New England and New York Districts, Seneca Army Depot BRAC office, and the NYDEC will be required to assure satisfaction with and approval of the work. EOD Technologies will perform all UXO excavation, UXO screening and UXO contaminated soil handling.
- II. FEE CALCULATION Proposed fee is 8.3%. See Table I.

#### III. WEIGHTED FACTOR EVALUATION

A.

### Element Range Rate Management Effort

Construction Supervision 5 - 30% 11.8%

Subcontracting is expected to equal 65% of the cost.

Project Planning and Estimating 5 - 25% 23.0%

This effort will involve significant estimating and re-planning because contaminated soil and sediment quantities are uncertain, the stabilization/solidification bench scale treatability methods are contingent upon 1-5 gallon sample for over 30,000 tons, and winter weather conditions may delay EOC Technologies excavation and WESTON related support activities.

#### Contracting, Procuring, and Expediting 5 - 25% 20.0%

WESTON will be subcontracting surveying, laboratory analysis, well closure, hydroseeding, and transportation and disposal, and may subcontract soil solidification/stabilization. WESTON will procure excavation equipment, water tanks, waste water treatment equipment, backfill materials, berm liner, and, if WESTON self-performs soil stabilization/solidification, chemicals and processing equipment.

**Common Services** 0 - 10% 9.0%

WESTON will provide utilities, office trailers, security fencing, and wastewater and contaminated soil storage and staging areas. No electrical connections are available inside the Open Burning Grounds.

#### Project Participants 2 - 10% 8.5%

WESTON's coordination with Corps of Engineers New England and New York Divisions, SEDA BRAC and NYDEC, will be required to assure their concerns are being addressed satisfactorily and to obtain approvals and concurrence. In addition, WESTON will have to coordinate with the UXO Contractor to assure each party's work proceeds efficiently.

Subtotal 72.3%

Management Effort Adjustment = 40 % of 72.3% = 28.9%

#### **B. COMPLEXITY** 10 - 25% 17.3%

Normal complexity effort is associated with soil solidification/stabilization, wastewater removal and treatment, treatment and disposal of RCRA Subtitle D material, and laboratory analysis. Below normal complexity is associated with stream excavation and bank stabilization, backfilling, transportation and disposal of borrow material, landscaping, and well installation and decommissioning.

	<u>Element</u>	Range	Rate
C.	COST	2 - 15%	2.0%
	The estimated cost is \$6,000,000.		

### D. SCHEDULE 2 - 10% 8.5% WESTON's surveying and sampling and analysis tasks will be on a fast-track to support LIVO conteminated soil everytein which is required to be completed by winter. Doily

UXO contaminated soil excavation which is required to be completed by winter. Daily coordination is required to survey limits of excavation, perform confirmatory and stockpile sampling, to layout additional areas, and to maintain dewatering without affecting EOC Technologies' progress. In addition, all soil treatment, off-site transportation and disposal an site restoration must be completed by the end of the growing period (August 15<sup>th</sup>).

#### E. <u>LOCATION</u> 2 - 10% 9.5%

Work will be performed at a remote site for which services are not readily accessible. Work will be performed during early winter and early spring months and is likely to be affected and delayed by freezing conditions. The site is contaminated and there is a possibility of unexploded ordnance at the site. SEDA site security procedures must be followed by all employees and personnel which may affect WESTON's ability to control and schedule deliveries and overall site access.

Table I

1	REMEDIATION FEE CALCU	JLATION -	Seneca Army	Depot, Soil and S	Sediment Ren	nediation
			RATE	ASSIGNED	CATEGOR	CATEGORY
2	MANAGEMENT EFFORT		RANGE	RATE	WEIGHT	SCORE
3	Construction Supervision		5%-30%	11.8%		
4	Project Planning & Estimatin	g	5%-25%	23.0%		
5	Contracting, Procuring & Ex	pediting	5%-25%	20.0%		
6	Common Services		0-10%	9.0%		
7	Project Participants		2%-10%	8.5%	_	
8	Subtotal			72.3%	40.0%	28.9%
		CMP	ESTIMATED	% OF	WEIGHTED	
9	COMPLEXITY	<u>RATE</u>	COST	TOTAL COST	RATE	
10	Maximum	25.0%		0.0%		
11	Normal	20.0%		45.0%		
12	Below Normal	15.0%	, ,	55.0%		
13	Light Construction	10.0%		0.0%		,
14	Subtotal		\$6,000,000		17.3%	17.3%
						A COLONIED
			C) (D D ( MD			ASSIGNED
15	COST	<b>#</b> ( 000 000	<u>CMP RATE</u>			RATE
16	ESTIMATED COST = \$X	\$6,000,000	0.15			
17	If \$X < \$1M		0.15	A) (01) A) 12)		
18	If \$1M < \$X < \$2M		(.15-(((\$X-\$1)	M)/\$1M)X.13)		
19	If $X > 2M$		0.02			2.0%
20						2.070
			RATE			ASSIGNED
			RANGE			RATE
21	SCHEDULE		2 - 10%			8.5%
1	LOCATION		2 - 10%			9.5%
23	SUBTOTAL					66.2%
24	RANGE ADJUSTMENT	Fee $= ((.12)$	01) x Total (	Category Scores)	+.01 =	8.3%
25	CPFF FEE CAP ADJUSTME	* * *	,			8.3%
26	FINAL FEE PERCENTAGE					8.3%



Date Project Mgr. Estimators.

\$2,441.00 \$3,390.80 \$2,696.00 \$42.40 \$943.50 \$170,548.00 \$57,726.00 \$70,286.90 \$11,383.70 \$2,151.40 \$21,693.80 \$12,089.80 \$7,163.00 \$13,507.85 \$8,751.85 \$2,558.10 \$67.75 \$3,430.00 \$4,756.00 \$2,056.75 \$661.10 \$409.75 \$19,056.20 \$15,665.40 \$8,435.20 \$7,230.20 \$4,236,734.24 \$223,173.00 \$5,600.00 \$140,136.60 \$83,822.00 TOTAL \$945.00 \$220.00 \$50.00 \$0.00 \$696.00 \$610.00 \$55.00 \$25.00 \$30.00 \$25.00 \$10,025.00 \$40.00 \$3,895.00 \$2,570.00 \$1,105.00 \$1,938.00 \$1,242.00 \$596.00 \$596.00 \$500.00 \$1,820.00 \$220.00 \$195.00 \$1,600.00 \$1,386,747.00 \$100,970.00 \$100,970.00 \$5,600.00 \$50,758.00 \$19,273.00 \$11,010.00 EXTERNAL OTHER DIRECT COSTS \$794.00 \$1,098.00 \$136.75 \$518.20 \$3,968.00 \$485.00 \$506.00 \$869.00 \$66.10 \$17.40 \$19.50 \$100.20 \$387.20 \$30.80 \$0.00 \$52.50 \$36.20 \$0.35 \$33.75 \$3,968.00 \$2,671.50 \$0.00 \$2,142.80 \$1,263.80 \$394.00 \$3,267.35 \$2,169.35 \$487.40 \$3,968.00 \$3,968.00 \$8,825.30 \$2,760.20 INTERNAL \$0.00 \$8,150.00 \$0.00 \$2,189,300.00 \$3,000.00 \$3,000.00 \$8,150.00 \$8,150.00 \$55,625.00 \$8,150.00 \$43,740.00 \$1,301.80 \$1,301.80 \$1,301.80 TRAVEL \$1,736.00 \$5,340.50 \$2,140.00 \$160.00 \$1,760.00 \$67.40 \$2,962.00 \$346.00 \$424.00 \$0.00 \$0.00 \$1,093.10 \$0.00 \$8,568.00 \$6,808.00 \$612,979.24 \$62,610.00 \$62,610.00 \$57,590.40 \$8,256.00 \$5,664.00 \$8,302.50 \$2,040.00 \$1,310.00 \$6,648.00 \$68,750.00 \$9,084.40 \$2,075.20 \$15,656.00 \$540.00 \$102,586.50 HTRW Program Administration & Project Management CONTRACT & SUBCONTRACT ADMINSTRATION Information Systems (Schedule & Cost WORK PLANS/SUBMITTALS/REPORTS Subcontract Administration/Procurement Progress, Meetings & Meeting Minutes MOBILIZATION & PREPARATION HTRW Program Construction Sampling & Analysis Plan (Final) Health & Safety Program (Final) PRECONSTRUCTION TASKS Construct Temporary Facilities Soil Solid/Stabilization Testing Treated Soil Disposal Facility Site Spec H & S Plan (Final) PROJECT MANAGEMENT CONTRACT CLOSEOUT Final/Closeout Report Task Order Closeout Project Management Off-Site Borrow Pit Closeout Activities Record Drawings Work Plan (Final) Property Control Record Keeping Quality Control WORK PLANS Office Trailers Permits Utilities Invoices 0310-10 1110-10 1110-20 0310-20 0310-30 0310-40 0510-10 0510-20 33.100 32.000 0110 0130 0210 0220 0230 0300 0310 0410 0200 0510 1100 1110 0100 0120 0140 0320 0400 0420 0430 0440 0200

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a Army Depot 733-95-D0004 ler No: 0013 imate (faw\$)

0013 aw\$)					OTHER DIRECT COSTS	STS	
WBS#	TASK	LABOR	TRAVEL	SUBS	INTERNAL	EXTERNAL	TOTAL
1110-30	Security Fencing	\$1,118.40	\$0.00	\$0.00	\$0.00	\$1,275.00	\$2,393.40
1110-40	Access Roads	\$639.60	\$0.00	\$0.00	\$0.00	\$2,300.00	\$2,939.60
1110-50	Soil Staging Area	\$56,256.00	\$0.00	\$0.00	\$0.00	\$16,000.00	\$72,256.00
1110-60	Equipment Decontamination Pad	\$4,596.00	\$0.00	\$0.00	\$0.00	\$25,037.00	\$29,633.00
1120	Surveying	\$0.00	\$0.00	\$52,625.00	\$0.00	\$0.00	\$52,625.00
1120-10	Layout of Soil Cover Grid & Perimeter	\$0.00	\$0.00	\$19,450.00	\$0.00	\$0.00	\$19,450.00
1120-20	Layout of Soil Excavations	\$0.00	\$0.00	\$12,300.00	\$0.00	\$0.00	\$12,300.00
1120-30	Layout of ReederCreek Excavations & Cross-Sections	\$0.00	\$0.00	\$8,780.00	\$0.00	\$0.00	\$8,780.00
1120-40	Layout of New Wetlands Area	\$0.00	\$0.00	\$7,225.00	\$0.00	\$0.00	\$7,225.00
1120-50	New Well Location & Monuments	\$0.00	\$0.00	\$4,870.00	\$0.00	\$0.00	\$4,870.00
1200	MONITORING, SAMPLING, TESTING & ANALYSIS	\$38,765.00	\$4,920.00	\$156,666.00	\$0.00	\$43,857.00	\$244,208.00
1210	Soil & Sediment Sampling	\$23,760.00	\$4,920.00	\$0.00	\$0.00	\$11,750.00	\$40,430.00
1210-10	Excavation Sampling	\$10,908.00	\$2,250.00	\$0.00	\$0.00	\$5,685.00	\$18,843.00
1210-20	Stockpile Sampling	\$4,896.00	\$1,020.00	\$0.00	\$0.00	\$1,895.00	\$7,811.00
1210-30	Treated Material & Sediment Sampling	\$2,295.00	\$480.00	\$0.00	\$0.00	\$1,138.00	\$3,913.00
1210-40	OB Grounds Perimeter Sampling	\$765.00	\$150.00	\$0.00	\$0.00	\$758.00	\$1,673.00
1210-50	Off-site Borrow Sampling	\$4,896.00	\$1,020.00	\$0.00	\$0.00	\$2,274.00	\$8,190.00
1220	Laboratory Chemical Analysis	\$11,426.00	\$0.00	\$156,666.00	\$0.00	\$1,800.00	\$169,892.00
1220-10	Excavation Analysis	\$5,423.00	\$0.00	\$156,666.00	\$0.00	\$360.00	\$162,449.00
1220-20	Stockpile Sanalysis	\$2,262.00	\$0.00	\$0.00	\$0.00	\$360.00	\$2,622.00
1220-30	Treated Material & Sediment Analysis	\$1,102.00	\$0.00	\$0.00	\$0.00	\$360.00	\$1,462.00
1220-40	OB Grounds Perimeter Analysis	\$348.00	\$0.00	\$0.00	\$0.00	\$360.00	\$708.00
1220-50	Off-site Borrow Analysis	\$2,291.00	\$0.00	\$0.00	\$0.00	\$360.00	\$2,651.00
1230	Wastewater Sampling & Analysis	\$3,579.00	\$0.00	\$0.00	\$0.00	\$360.00	\$3,939.00
1240	Air Monitor Plan	\$0.00	\$0.00	\$0.00	\$0.00	\$30,307.00	\$30,307.00
1300	CONTROL & DIVERSION OF WATER	\$188,438.64	\$0.00	\$0.00	\$0.00	\$159,786.00	\$348,224.64
1310	Storm Drainage/Subdrainage	\$148,420.80	\$0.00	\$0.00	\$0.00	\$75,115.00	\$223,535.80
1310-10	Run-On Control	\$4,596.00	\$0.00	\$0.00	\$0.00	\$0.00	\$4,596.00
1310-20	Run-Off Control	\$6,434.40	\$0.00	\$0.00	\$0.00	\$11,571.00	\$18,005.40
1310-30	Excavation Dewatering	\$119,496.00	\$0.00	\$0.00	\$0.00	\$63,544.00	\$183,040.00
1310-40	Equipment Decontamination	\$17,894.40	\$0.00	\$0.00	\$0.00	\$0.00	\$17,894.40
1320	Wasfewater Treatment	\$35,631.60	\$0.00	\$0.00	\$0.00	\$78,686.00	\$114,317.60

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ca Army Depot N33-95-D0004 der No: 0013 stimate (faw\$)

(aw\$)					OTHER DIRECT COSTS	STS	
WBS #	TASK	LABOR	TRAVEL	SNBS	INTERNAL	EXTERNAL	TOTAL
*							
$\neg$	WWT Plant Preparation/Grading	\$1,639.20	\$0.00	\$0.00	\$0.00	\$10,076.00	\$11,715.20
1320-20 1	WWT installation of Berm & Liner	\$7,430.40	\$0.00	\$0.00	\$0.00	\$14,907.00	\$22,337.40
1320-30 P	Pilot Test	\$4,194.00	\$0.00	\$0.00	\$0.00	\$2,832.00	\$7,026.00
1320-40	WWT Operation & Maintenance	\$22,368.00	\$0.00	\$0.00	\$0.00	\$50,871.00	\$73,239.00
1330	Reeder Creek Diversion	\$4,386.24	\$0.00	\$0.00	\$0.00	\$5,985.00	\$10,371.24
1400	SITE WORK	\$273,510.80	\$38,820.00	\$852,599.00	\$0.00	\$852,801.00	\$2,017,730.80
1410 E	Erosio/Dust Control	\$19,476.00	\$0.00	\$0.00	\$0.00	\$38,685.00	\$58,161.00
1410-10 E	Erosion Control	\$13,884.00	\$0.00	\$0.00	\$0.00	\$23,685.00	\$37,569.00
1410-20	Dust Control	\$5,592.00	\$0.00	\$0.00	\$0.00	\$15,000.00	\$20,592.00
1420	Soil Solidification/Stabilization	\$0.00	\$0.00	\$750,000.00	\$0.00	\$0.00	\$750,000.00
1420-10	Treatment Setup	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
1420-20	Operation	\$0.00	\$0.00	\$750,000.00	\$0.00	\$0.00	\$750,000.00
1430 E	Earthwork/Soil Cover	\$52,032.00	\$0.00	\$77,340.00	\$0.00	\$756,821.00	\$886,193.00
1430-10	Clearing	\$1,080.00	\$0.00	\$0.00	\$0.00	\$1,500.00	\$2,580.00
1430-20	Offsite Borrow/Backfill	\$0.00	\$0.00	\$0.00	\$0.00	\$379,658.00	\$379,658.00
1430-30	Grading	\$24,396.00	\$0.00	\$0.00	\$0.00	\$66,477.00	\$90,873.00
1430-40	Compaction	\$12,960.00	\$0.00	\$0.00	\$0.00	\$9,630.00	\$22,590.00
1430-50 7	Topsoil 4"	\$13,596.00	\$0.00	\$0.00	\$0.00	\$299,556.00	\$313,152.00
1430-60 F	Planting	\$0.00	\$0.00	\$77,340.00	\$0.00	\$0.00	\$77,340.00
1440 F	Reeder Creek Sediment Removal	\$49,102.80	\$0.00	\$8,359.00	\$0.00	\$57,295.00	\$114,756.80
1440-10 E	Brush Clearing	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
1440-20	Sedimentation Control	\$3,316.80	\$0.00	\$0.00	\$0.00	\$1,565.00	\$4,881.80
1440-30 E	Excavation	\$34,392.00	\$0.00	\$0.00	\$0.00	\$17,360.00	\$51,752.00
1440-40	Sedimentation Handling	\$0.00	\$0.00	\$0.00	\$0.00	\$13,663.00	\$13,663.00
1440-50	Stabilization of Streambank	\$11,394.00	\$0.00	\$8,359.00	\$0.00	\$24,707.00	\$44,460.00
1450 A	Monitoring Wells	\$0.00	\$0.00	\$16,900.00	\$0.00	\$0.00	\$16,900.00
1450-10 E	Existing Well Decomissioning	\$0.00	\$0.00	\$7,500.00	\$0.00	\$0.00	\$7,500.00
1450-20	Installation of New Wells	\$0.00	\$0.00	\$9,400.00	\$0.00	\$0.00	\$9,400.00
1500	SITE RESTORATION	\$18,712.80	\$0.00	\$13,960.00	\$0.00	\$122,477.00	\$155,149.80
1510	Wetlands Restoration	\$18,712.80	\$0.00	\$13,960.00	\$0.00	\$122,477.00	\$155,149.80
1510-10 F	Rough Grading	\$4,998.00	\$0.00	\$0.00	\$0.00	\$43,125.00	\$48,123.00
1610 20	Diace Oganic Fill	\$3 600 00	\$0.00	\$0.00	\$0.00	\$69 479 00	\$73.079.00

a Army Depot 133-95-D0004 ler No: 0013 imate (raw\$)

vies #         TASK         LABOR         T           1510-30         Vegetation         \$5,116.80         1510.80           1510-40         Sedimentation Handling         \$4,998.00         1610           1610         Transport to Disposal Facility         \$14,400.00         1610.40         \$14,400.00           1610-10         Loading         \$14,400.00         1610.00         \$14,400.00         1610.00<						OTHER DIRECT COSTS	SSTS	
30         Vegetation         \$5,1           40         Sedimentation Handling         \$4,9           SOIL/SEDIMENT DISPOSAL         \$14,4           Transport to Disposal Facility         \$14,4           10         Loading         \$14,4           20         Hauling         \$14,4           20         Hauling         \$14,4           20         Hauling         \$16,5           20         Removal Fees & Taxes         \$16,5           20         Utilities         \$16,5           20         Utilities         \$16,5           30         Security Fencing         \$1,6           40         Access Roads         \$1,6           50         Soil Staging Area         \$1,6           60         Equipment Decontamination         \$1,6           70         Soil Staging Area         \$1,6           70         Soil Officeation/Stabilization Area         \$1,6           70         Soil Staging Area         \$1,8           80         Equipment Decontamination         \$6           80         Equipment Treatment Area         \$1,8           80         Vassiewater Treatment Area         \$1,8	WBS #	TASK	LABOR	TRAVEL	SUBS	INTERNAL	EXTERNAL	TOTAL
40         Sedimentation Handling         \$4,9           SOIL/SEDIMENT DISPOSAL         \$14,4           Transport to Disposal Facility         \$14,4           10         Loading         \$14,4           20         Hauling         \$14,4           20         Hauling         \$16,5           Remobal Lization         \$16,5           Removal of Temporary Facilities         \$16,5           20         Utilities         \$16,5           30         Security Fencing         \$1,6           40         Access Roads         \$1,6           50         Soil Staging Area         \$1,6           60         Equipment Decontamination         \$6           60         Equipment Decontamination Area         \$1,8           70         Solidification/Stabilization Area         \$1,8           80         Wastewater Treatment Area         \$11,8	8	legefation	\$5,116.80	\$0.00	\$13,344.00	\$0.00	\$4,250.00	\$22,710.80
SOIL/SEDIMENT DISPOSAL         \$14,4           Transport to Disposal Facility         \$14,4           10         Loading         \$14,4           20         Hauling         \$14,4           Disposal Fees & Taxes         \$16,5           Pemobal Lization         \$16,5           20         Utilities         \$16,5           20         Utilities         \$1,6           30         Security Fencing         \$1,6           40         Access Roads         \$1,6           50         Soil Staging Area         \$1,8           60         Equipment Decontamination         \$6           70         Solidification/Stabilization Area         \$1,8           70         Solidification/Stabilization Area         \$1,8           80         Wastewater Treatment Area         \$1,1,8		sedimentation Handling	\$4,998.00	\$0.00	\$0.00	\$0.00	\$5,623.00	\$10,621.00
10         Loading         \$14,4           20         Hauling         \$14,4           20         Hauling         \$16,5           20         Disposal Fees & Taxes         \$16,5           20         Disposal Fees & Taxes         \$16,5           30         Removal of Temporary Facilities         \$16,5           30         Orffice Trailers         \$1,6           30         Security Fencing         \$1,6           30         Security Fencing         \$1,6           50         Soil Staging Area         \$1,6           60         Equipment Decontamination         \$6           60         Equipment Decontamination Area         \$1,8           70         Solidification/Stabilization Area         \$1,8           80         Wastewater Treatment Area         \$1,8		SOIL/SEDIMENT DISPOSAL	\$14,400.00	\$0.00	\$1,064,000.00	\$0.00	\$30,313.00	\$1,108,713.00
10   Loading		ransport to Disposal Facility	\$14,400.00	\$0.00	\$210,000.00	\$0.00	\$30,313.00	\$254,713.00
20         Hauling         \$16,5           Disposal Fees & Taxes         \$16,5           Removal of Temporary Facilities         \$16,5           10         Office Trailers         \$16,5           20         Utilities         \$1,6           30         Security Fencing         \$1,6           40         Access Roads         \$1,8           50         Soil Staging Area         \$1,8           60         Equipment Decontamination         \$6           70         Solidification/Stabilization Area         \$1,8           80         Wastewater Treatment Area         \$11,8		oading	\$14,400.00	\$0.00	\$0.00	\$0.00	\$30,313.00	\$44,713.00
Disposal Fees & Taxes   S16,5		1auling	\$0.00	\$0.00	\$210,000.00	\$0.00	\$0.00	\$210,000.00
PEMOBILIZATION   \$16,5		Disposal Fees & Taxes	\$0.00	\$0.00	\$854,000.00	\$0.00	\$0.00	\$854,000.00
Nemoval of Temporary Facilities	_	DEMOBILIZATION	\$16,542.00	\$0.00	\$46,450.00	\$0.00	\$76,543.00	\$139,535.00
Office Trailers  Utilities Security Fencing Access Roads Soil Staging Area Equipment Decontamination Solidification/Stabilization Area Wastewater Treatment Area \$11,8		Removal of Temporary Facilities	\$16,542.00	\$0.00	\$46,450.00	\$0.00	\$76,543.00	\$139,535.00
Utilities Security Fencing Access Roads Soil Staging Area Equipment Decontamination Solidification/Stabilization Area Wastewater Treatment Area \$11,8		Office Trailers	\$559.20	\$0.00	\$0.00	\$0.00	\$0.00	\$559.20
Security Fencing  Access Roads Soil Staging Area Equipment Decontamination Solidification/Stabilization Area Wastewater Treatment Area \$1,6		Jtilities	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Access Roads  Soil Staging Area  Equipment Decontamination  \$6  Solidification/Stabilization Area  Wastewater Treatment Area  \$11,8		Security Fencing	\$1,677.60	\$0.00	\$0.00	\$0.00	\$0.00	\$1,677.60
Soil Staging Area  Equipment Decontamination \$6  Solidification/Stabilization Area  Wastewater Treatment Area \$11,8		Access Roads	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Equipment Decontamination Solidification/Stabilization Area  Wastewater Treatment Area \$11,8		soil Staging Area	\$1,838.40	\$0.00	\$0.00	\$0.00	\$0.00	\$1,838.40
Solidification/Stabilization Area Wastewater Treatment Area \$11,8	$\neg$	quipment Decontamination	\$639.60	\$0.00	\$0.00	\$0.00	\$64,230.00	\$64,869.60
Wastewater Treatment Area		Solidification/Stabilization Area	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
		Vastewater Treatment Area	\$11,827.20	\$0.00	\$46,450.00	\$0.00	\$12,313.00	\$70,590.20
1710-90 Reeder Creek Diversion Area \$0.00	$\overline{}$	Reeder Creek Diversion Area	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL \$715,565.74 \$45		TOTAL		\$45,041.80	\$2,197,450.00	\$12,793.30	\$1,406,020.00	\$4,376,870.84

	INTERNAL				EXTERNAL ODC'S	T opc,s					TRAVEL				SUBCONTRACTO
	Copies	CAD	PC Usage	Total Cost	Telephone	Equip/Mat.	Federal	Outside	Total Cost	Mileage	Per Diem	Car	Truck	Total Cost	Subcontractor
		Usage		By Task	Field\Office	Vendor	Express	Reproduction	By Task			Rental	Rental	By Task	
TASK	\$0.07	\$18.00	\$8 00	(dollars)	\$1.00	\$1.00	\$15.00	\$1 00	(dollars)	\$0.31	\$30 00	\$35.00	\$800 00	(dollars)	(dollars)
			275	9000		93069	200		640 272	L	٠	ţ		64 200	
nistration & Project Management	08/87	90	70	\$0,662		15300	767		677'616	L	,		,	700'10	
ENT	0909	٥	292	\$2,760	400	9500	74	0	\$11,010	2280	0	4		\$1,302	
	5250		288	\$2,672		9500	35		\$10,025					000	
in Systems (Schedule & Cost Tracking)	0		0	\$0	0				\$0	0		0		80	
Aeeting Minutes	750			\$53	375		38		\$945	2280		17		\$1,302	
	60		4	\$36	25		-		\$40					80	
NTRACT ADMINSTRATION	8440	0	194	\$2,143	2050	0	123	0	\$3,895	0	0	0	0	\$0	
kion/Procurement	4340		120	\$1,264	950		108		\$2,570					\$0	
	1900		4	\$485					\$220					\$0	
	2200		30	\$394			15		\$1,105					0\$	
TTALS/REPORTS	13705	58	158	\$3,267		1368	82	0	\$1,938	0	0	0	0	\$0	
	9505	48	80	\$2,169		912	12	0	\$1,242		0	D	0	0\$	
	3800		30	\$506				-	\$50					\$0	
(eu-	1900	32	20	698\$		456	9		\$596					0\$	
m (Final)	v			\$0					0\$					0\$	
an (Final)	3800	16	30	\$794	50	456	9		\$596					0\$	
	4200	10	78	\$1,098		458	9		\$698					\$0	
TASKS	125	0	16	\$137	100	0	34	0	\$610	0	0	0	o	\$0	
	30		8	\$66			2		\$55					0\$	
	20		2	215			-		\$25					0\$	
acility	25		4	\$34	15		-		\$30					0\$	
Lesting	90		2	\$20	50		30		\$500					0\$	
UT	1460	0	52	\$518	275	1500	6	0.	\$1,820	٥	0	0	٥	0\$	\$8
	1020	0	52	\$487	175	0	9	0	\$220	0	0	0	٥	0\$	\$8
	9		12	\$100	25				\$25					0\$	\$8
	096		40	\$387	150		6		\$195					80	
	440			\$31	100	1500			\$1,600					80	
truction	6400	0	440	\$3,968	3200	1328685	120	53062	\$1,386,747	0	818	٥	24	\$43,740	\$2,189
EPARATION	6400	٥	440	\$3,968	3200	44708	٥	53062	\$100,970	0	0	0	0	80	\$55
acilities	6400	0	440	\$3,968	3200	44708	0	53062	\$100,970	0	0	0	0	\$0	\$3
				\$				2600	\$5,600					\$0	
	6400		440	\$3,968	3200	96		47462	\$50,758					80	83

	INTERNAL				EXTERNAL ODC'S	L obc's					TRAVEL			Т	SUBCONTRACT
	Copies	CAD	PC Usage	Total Cost	Теерриопе	Equip/Mat.		Outside	Total Cost	Mileage	Per Diem	Car	Truck	Total Cost	Subcontracto
		Usage		By Task	Field/Office	Vendor	_	Reproduction	By Task	0	6	Rental	Rental	By Task	
TASK	20 O/	\$18.00	00 88	(dollars)	<b>3</b> 1.00	00.1%	00 GT <b>¢</b>	00.14	(dollars)	\$0 31	00 000	00 es <b>4</b>	00 0094	(dollars)	(dollars)
				0\$		1275			\$1,275					0\$	
				0\$		2300			\$2,300					0\$	
				0\$		16000			\$16,000					0\$	
nation Pad				0\$		25037			\$25,037					0\$	
	0	0	0	0\$	0	0	0	0	0\$	0	0	0	0	0\$	\$5
Snd & Perimeter				0\$					0\$					0\$	51
tions				0\$					0\$					0\$	51
k Excavations & Cross-Sections				0\$					0\$					0\$	S
ds Area				0\$					0\$					0\$	8
Monuments				0\$					0\$					0\$	8
LING, TESTING & ANALYSIS	0	0	0	0\$	0	42057	120	0	\$43,857	0	29	0	0	\$4,920	\$15
Build	0	0	0	0\$	0	11750	0	0	\$11,750	0	164	0	0	\$4,920	
				\$0		5685			\$5,685		75			\$2,250	
				0\$		1895			\$1,895		34			\$1,020	
diment Sampling				0\$		1138			\$1,138		16			\$480	
r Sampling				0\$		758			\$758		c)			\$150	
Bui				0\$		2274			\$2,274		×			\$1,020	
Analysis	0	0	0	0\$	٥	0	120	0	\$1,800	0	0	0	0	.0\$	\$15
				0\$			24		\$360					0\$	\$15
				0\$			24		\$360					0\$	
diment Analysis				0\$			24		\$360					20	
r Analysis				\$0			24		\$360					0\$	
SIS				0\$			24		\$360					0\$	
& Analysis				\$0			24		\$360					0\$	
				80		30307			\$30,307					0\$	
SION OF WATER	0	0	0	\$0	0	159786	٥	٥	\$159,786	0	G	9	ç	80	
ainage	0	o	٥	0\$	0	75115	0	0	\$75,115	0	0	0	٥	0\$	
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				\$0		63544			\$63,544					0\$	
nation				\$0					0\$					0\$	
*	0	0	0	\$0	0	78686	0	٥	\$78,686	0	0	0	0	0\$	

	INTERNAL				EXTERNAL ODC'S	AL ODC'S					TRAVEL				SUBCONTRACT
	Copies	CAD	PC Usage	Total Cost	Telephone	Equip/Mat.		Outside	Total Cost	Mileage	Per Diem	Car	Truck	Total Cost	Subconfracto
		Usage		By Task	Field/Office	Vendor		Reproduction	By Task			Rental	Rental	By Task	
TASK	\$0.07	\$18 00	\$8.00	(dollars)	\$1.00	\$1.00	\$15.00	\$1 00	(dollars)	\$0.31	\$30.00	\$35.00	\$800 00	(dollars)	(dollars)
on/Grading				\$0		10076			\$10,076					\$0	
erm & Liner				80		14907			\$14.907					0\$	
				\$0		2832			\$2,832					20	
untenance				0\$		50871			\$50,871					0\$	
uo				\$0		5985			\$5,985					0\$	
	0	0	0	0\$	0	852801	0	0	\$852,801	0	654	0	24	\$38,820	\$85
	0	0	0	0\$	0	38685	0	0	\$38,685	0	0	0	0	0\$	
				\$0		23685			\$23,685					0\$	
				\$0		15000			\$15,000					0\$	
ilization	0	0	0	0\$	0	0	o	0	0\$	0	0	0	0	0\$	\$75
				\$0					0\$					8	
				\$0					0\$					\$0	\$75
	0	0	0	\$0	0	756821	0	0	\$756,821	0	0	0	0	0\$	25
				\$0		1500			\$1,500					0\$	
				0\$		379658			\$379,658					0\$	
				0\$		66477			\$66,477					0\$	
				80		8630			\$9,630					\$0	
				\$0		299556			\$299,556					20	
				\$0					0\$					0\$	27
int Removal	0	0	0	0\$	0	57295	0	0	\$57,295	0	0	0	0	\$0	\$
				0\$					0\$					0\$	
				0\$		1565			\$1,565					0\$	
				\$0		17360			\$17,360					\$0	
5				\$0		13663			\$13,663					0\$	
hbank				\$0		24707			\$24,707					0\$	
	0	0	0	80	0	0	0	0	0\$	0	0	0	0	\$0	51
Burrois				\$0			i		0\$					\$0	•
slls				\$0					<b>S</b>					30	8
	٥	٥	٥	\$0	٥	122477	٥	0	\$122,477	0	0	0	0	\$0	\$1
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				0\$		43125			\$43,125					0\$	
				\$0.		69478			\$69,479					80	

	Copies	CAD	PC Usage	Total Cost	Telephone	Equip/Mat.	Federal	Outside	Total Cost	Mileage	Per Diem	Car	Truck	Total Cost	Subcontract
		Usage		By Task	Field/Office	Vendor	Express	Reproduction	By Task			Rental	Rental	By Task	
TASK	\$0.07	\$18.00	\$8.00	(dollars)	\$1.00	\$1.00	\$15.00	\$1.00	(dollars)	\$0.31	\$30 00	\$35.00	\$800.00	(dollars)	(dollars)
				OS.		4250		900000000000000000000000000000000000000	\$4 250					OS	72
O				0\$		5623			\$5,623					0\$	
POSAL	0	0	0	0\$	0	30313	0	0	\$30,313	0	0	0	0	0\$	\$1,06
Facility	0	0	0	0\$	0	30313	0	0	\$30,313	0	0	0	0	0\$	\$21
				0\$		30313			\$30,313					0\$	
				0\$					0\$					0\$	\$21
v.				\$0					0\$					\$0	\$85
	0	0	0	0\$	0	76543	0	0	\$76,543	0	0	0	0	0\$	Z
y Facilities	Û	0	0	0\$	0	76543	0	0	\$76,543	0	0	0	0	0\$	\$4
				0\$					0\$					0\$	
				0\$					0\$					0\$	
				0\$					0\$					9	
				0\$		0			0\$					0\$	
				0\$					0\$					\$0	
nation				\$0		64230			\$64,230					0\$	
ion Area				0\$					0\$					0\$	
nt Area				0\$		12313			\$12,313					05	X
on Area				0\$					0\$					OS	
TOTAL UNITS	36190	58	1152		6325	1341053	372	53062		2280	818	17	24		
TOTAL DOLLARS	\$2,533	\$1,044	\$9,216	\$12.793	\$6,325	\$1,341,053	\$5,580	\$53,062	\$1,406,020	\$702	\$24,540	\$595	\$19,200	\$45,042	\$2,19

Page 4 of 4

				(							7	1		- 1				- 1		
		Pregram Mgr O Rice		Project Mgr P				Spe	S O	Tech	Laborer	Operator					Procuremen		Cumulative Task Hours	Lubby Cost By Task
• SBM	18.94	8	92	8	98	828	80 123 80 123 123 123 123 123 123 123 123 123 123	8	2	918 (8	82	888	0/83	8	8	8	8	8	How	(dollars)
32.000	HTRW Program Administration & Project Manag	170	112	1636	251	2	262	0 142	30	0	0	0	15	336	58	22	314	634	3984	\$102,586.50
0100	PROJECT MANAGEMENT	170	112	1438	42	2	128	0 106	18	0	0	0	10	130	0	2	2	198	2358	\$68,750.00
0110	Project Management	128	64	1300	24		128	0	64 16					128				192	2044	\$57,590.40
0120	Management Information Systems (Sshadule & Cost Tracking)														+	1			0	\$0.00
0130	Propress, Meetings & Meeting Minutes	42	16	138	18	2		4	42 2				10	2		2	2	2	278	\$9,084.40
0140	Quality Control		32	V			-								1			4	36	\$2,075,20
0200	CONTRACT & SUBCONTRACT ADMINISTRATION	0	٥	40	60	0	24	0	0	0	0	0	•	176	0	٥	232	296	828	\$15,656.00
0210	Subcontract Administration/Procurement			40	09		24					i					232	44	400	\$8,256.00
0220	Record Keeping											İ						124	124	\$1,736.00
0230	Invaces													176				128	304	\$5,664.00
0300	WORK PLANS/SUBMITTAL S/REPORTS	0	٥	38	113	0	25	0	22 12	0	0	0	-\$	0	28	0	0	9	362	\$8,302.50
0310	WORK PLANS	0	0	18	48	0	54	0		0		0	5	0	48	0	0	40	239	\$5,340.50
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0310-20				4			20		12				3					12	51	\$1,093.10
0310-30													2						2	\$67.40
0310-40				80	24		18		- 01						16			12	88	\$2,040.00
0320				50	65			0	80						9			20	123	\$2,962 00
0400	PRECONSTRUCTION TASKS	0	0	80	12	0	16		14 0	0	0	0	0	0	0	0	0	0	50	\$1,310.00
0410	Pemuls			2			16		4										22	\$540.00
0450	Cif-Site Bixt av Pit			i														İ	0	\$0.00
0430	Treated Soit Disposal Fability			2					10										12	\$346.00
0440	S.Al Sch Wisterinzation Testing			4	12														16	\$424.00
0200	CONTRACT CLOSEOUT	0	0	112	24	0	40	0	0	0	0	0	٥	30	0	20	80	80	386	\$8,568.00
0510	Chise out Activities	0	0	92	24	0	0	0	0	0	0	0	0	30	0	20	80	09	306	\$6,808.00
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0510-20	Task Order Closeout			06	20			_	_					30		20	80	09	300	\$6,648,00
0520	Property Control			20	1	1	04											20	80	\$1,760.00
33.100	HTRW Program Construction	0	0	0	2200	. 2200	0	0 43	433 2200	1456	8444	5145	0	0	0	0	0	0	22078	\$612,979.24
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1110	Construct Temporary Fabilities	0	0	0	0	0	0	0	0	0	1750	380	0	0	0	0	0	0	2130	\$62,610.00
1110-10	Office Trailers																		0	\$0.00
1110-20	Pibbes																		0	\$0.00
1110-30	Security Fancing						-				40								40	\$1,118.40
1110-40	Access Roads										10	9							20	\$639.60
1110-50	Soil Staging Avea										1600	320							1920	\$56,256.00
1110-60	Equipment Decontamination Past					1					100	50							150	\$4,596.00
1120	Surveying	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0.00
1120-10	Layout of Soil Cover Gnd & Penmeter		1			+	+	_	4						1					\$0.00
1120-20	Layout of Soil Excavations						_		_										0	\$0.00

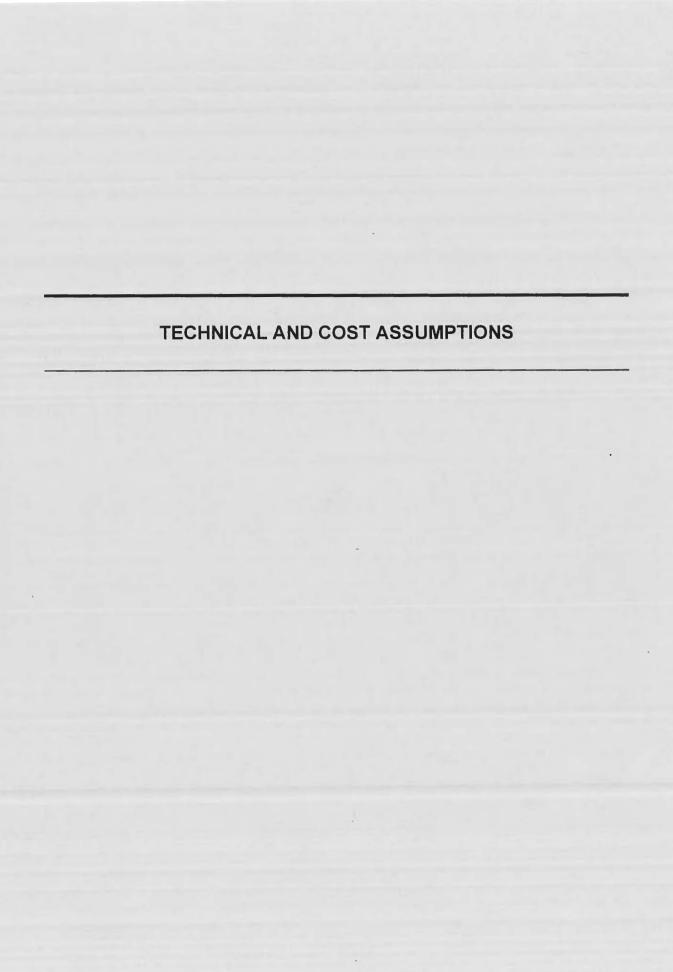
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1210 S::	Still & Sedment Sampling	0	0	0	0	0	0	0	0	0 1320	0	0	0	0	0	0	0	0	1320	\$23,760 00
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1210-40 CB	OB Grounds Pennieler Sangenz									43									5	\$765.00
1210-50 C#	Cff.sta Borrow Sampling							_		272					_				272	\$4,896 00
1220	aburatory Chemical Analysis	0	0	0	0	0	0	38	394	0	0	0	0	0	0	0	0	0	394	\$11,426 00
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	CB Grounds Penmeter Analysis							_	12										12	\$348 00
1220-50 cm	Cfl. site Borrow Analysis							7	79						-			1	79	\$2,291.00
	Wastewater Sampling & Analysis			1				(*)	39	136									175	\$3,579.00
1240 Ar	Ayr Montor Plen															-	-	1	0	\$0.00
1300	CONTROL & DIVERSION OF WATER	0	0	0	0	0	0	0	0	0	4834	1480	0	0	0	0	0	0	6314 \$	\$188,438.64
1310 Sto	Stym Dranaza/Sub#anage	0	0	0	0	0	0	0	0	0	3480	1420	0	0	0	0	0	0	4900	\$148,420.80
1310-10 Rur	Run-On Control		$\dagger$			+					100	20							150	\$4,596.00
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1310-40 E3	Equipment Decortamenton		-				+				640			+	-	+		+	640	\$17,894 40
1320 wa	Wastewater Treatment	0	0	0	0	0	0	0	0	0	1210	90	0	0	0	0	0	-	1260	\$35,631 60
1320-10 wv	WWT Plant Preparabon/Greanny				1		+				20	30	_			+			50	\$1,639.20
1320-20 wv	WWT Installation of Berm & Liner								-		240	20			-	-			260	\$7,430.40
1320-30 PIL	Pitt Test			1		$\dashv$					150					-			150	\$4,194.00
1320-40 wv	WWT Cperation & Maintenance								-		800				+	+			800	\$22,368 00
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1400 sп	SITE WORK	0	0	0	2200	2200	0	0	0 2200	0	1230	2395	0	-	0	0	0	0	10225 \$	\$273,510.80
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1420-10 Tre	Treatment Setup							_	_				+	+	+	1	+	+	0	\$0.00
1420-20 Op	Operation					1		_								-			0	\$0.00
1430 Ee	Earthwork/Soil Cover	0	0	0	0	0	0	0	0	0	200	1290	0	0	0	0	0	0	1490	\$52,032.00
1430-10 Cleanny	guus						$\dashv$	_				30			1	$\dashv$	-	_	30	\$1,080 00

Page 2 of 3

	Program Mgr C Rica		Project Mgr PE/OC Officer Kane Delana	S/OC Officer Delana		Mid Eng NY Lic	C Regulatory Specialist	- N	Technicians			Cen Fin	° 3		P 7	õ	0 #	_	ii y
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1510-10 Rough Grading										- 20	100			-	-		150	ļ	\$4,998.00
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1510-40 Sedmentation Handling										92	100		-				150		\$4,998.00
1600 SOIL/SEDIMENT DISPOSAL	0	0	0	0	0	0	0	0	0	0	400	0	0	0	0	0	0 400	\$14,400.00	00.00
1610 Transport to Disposal Fecialty	0	0	0	0	0	0	0	0	0	0	400	0	0	0	0	0	0 400	10 \$14,400.00	00.00
1610-10 Looking											400		-				400		\$14,400.00
1610-20 Heuling													-			-		0	\$0 00
1620 Disposal Fees & Taxes					-	1						-	1		-		_	- 0	\$0 00
1700 DEMOBLIZATION	0	0	0	0	0	0	0	0 0	0	450	110	0	0	0	0	0	0 560		\$16,542.00
1710 Removal of Tempovary Populas	0	0	0	0	0	-	0	0	0	450	110	0	0	0	0	o	0	560 \$16,542.00	942.00
1710-10 Office Traders										20		1			-			20 \$5	\$559 20
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1710-30 Security Fencing						-				09		-				-		60 \$1,6	\$1,677.60
1710-40 Access Roads										0	0							0	\$0.00
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1710-60 Equipment Decontenunation					-					10	10		-				-	20 \$6	\$639.60
1710-70 Susaficebon/Stabilization Area																-			\$0.00
1710-80 Westewater Treatment Area										320	8						4	400 \$11,8	\$11,827.20
1710-90 Reeder Creek Diversion Area													1	-		-		0	\$0.00
TOTAL HOURS	170	112	1636	2451	2202	262	0 575	5 2230	1456	8444	5145	15	336	58	22 3	314 6	634 26062	22	
TOTAL BOLLARS	\$7,820	\$7,067	\$45,808	\$63,726	\$49,545	\$6,026	\$18,675	75 \$46,830	\$26,208	\$236,094	\$185 220	\$506	\$7,392	\$1,160	\$647 \$5	\$5,967 \$8	\$8.875	24	\$715,566

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Seneca Army Depot Activity
SEAD - Open Burning Grounds Remediation
Romulus, NY
September 18, 1998

#### INTRODUCTION

Roy F. Weston, Inc. (WESTON) has provided these Technical and Cost Assumptions for the Open Burning Grounds Remediation at the Seneca Army Depot Activity in Romulus, NY with the Cost Proposal in order to clarify assumptions made during the estimating process.

The cost proposal was prepared using the Work Breakdown Structure (WBS) format as requested in the CENAE RFP dated 9 September 1998.

The costs are summarized into 3 levels. Level one consists of two HTRW Programs: Administration and Project Management (WBS No. 32.000) and Construction (WBS No. 33.100). The second level consists of specific management and sitework construction tasks. The third level consists of subtask items associated with the second level tasks.

#### GENERAL CONDITIONS

- It is assumed that WESTON shall work a <u>five day 10 hour work week</u> for this cost proposal, except where noted in these technical and cost assumptions. An 8 hour day was not evaluated due to EODT's 4-10 hour day excavation schedule in the fall and due to soil cover limitations in the spring.
- It is anticipated that field work will occur between November 1998 through January 1999 and April 1998 through August 1999 for a total site duration of 8 months. It is anticipated that WESTON will demobilize the site for the two most severe winter months (February and March) based on the completion of EODT excavation and backfilling activities by the end of January.
- · Davis Bacon Wage Rates will be used for this project

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#### **VALUE ENGINEERING**

WESTON recommends sampling of Case 1 soils prior to treatment in order to minimize additional costs associated with unnecessary soil treatment. (A total of 24,000 tons of soil are projected to be treated based on ten treatability soil samples.)

The sampling frequencies at the bottom of the excavation seem excessive at one bottom sample per 500 sf. WESTON recommends sampling at a frequency of 1 sample every 2500 sf. \$ 5,000 Every 1,006 SF.

Excavation and replacement of the wetlands area, i.e., 2.5 acres seem excessive, WESTON recommends minimizing the cut and enlarging the area to minimize excess excavation. 8" of organic material is sufficient in a non-regulated wetlands instead of 12".

A Contractor Quality Control Plan has not been specified in either the Draft or Final versions of the Specifications. WESTON has not costed effort for this plan but recommends this document to be incorporated into the Project Work Plan. Spake Total Extra

• WESTON recommends reducing the frequency of offsite borrow sampling from 1 sample per 2000 cy to 1 sample per source.

• Mowing the entire landfill following the growth establishment period in included, this may be waived if the OB Grounds is not going to be maintained by SEDA in the future.

• WESTON has costed transportation and disposal of borrow material separately in order for Action the CENAE and SEDA to evaluate base transportation alternatives

#### 0110 Project Management

• Due to the magnitude of the OB Grounds remediation activities, the level of effort was estimated on a weekly basis and pro-rated over the entire duration of the project, i.e., "soft time" and "hard time". A total of 32 weeks of field effort have been included for all sitework including mobilization, demobilization and additional remobilization efforts during the shutdown period (November 1998 –August 1999). A total of 4 weeks of managing and

### Seneca Army Depot Activity SEAD - Open Burning Grounds Remediation Romulus, NY September 18, 1998

planning activities have been included for mobilization and demobilization activities. This excludes the 8 week shutdown period during the winter months. A total of 12 weeks of soft time has been included.

A total of 4 hours per week have been included for the Program Manager for internal/external correspondence and overall management of the OB Grounds Remediation. A total of 40 hours per week have been included for the Project Manager (20 hours during soft time). Level of effort includes management of cost and schedule, staffing, reviewing status reports, commitments, prebills, etc. An additional 2 hours per week have been included for the review of quality control procedures, production issues, and technical guidance by the QC Managér, 2 hours per week of assistance by the regulatory specialist, 4 hours per week for a financial analyst, 24 hours by a Project Engineer/QC Officer, 6 hours per week of clerical support, and additional support by the Project Engineer/QC Officer, Site Safety Officer and Middle Engineer prior to mobilization.

#### 0130 Progress Meetings & Meeting Minutes

• A two-hour job opening meeting will be held with all project team members. A total of 18 meetings (1 job opening, 1 pre-con, 5 periodic, 10 monthly, and 1 post-con meeting) will be held at SEDA. The Program Manager will attend 5 at 8 hours each. The Project Manager will attend all 18. The QC Manager will attend 2 meetings. The Project Engineer will attend 2 meetings. The Regulatory Specialist will attend 5 meetings. The QC Officer will attend 1 meeting. The Certified IH will attend 1 meeting. Meeting minutes will be prepared by Weston and issued within 48 hours to the CENAE COR (4 hours for clerical support). Additional effort associated with copying, PC usage (4 hours each meeting), telephone charges (18 meetings), car rental (38 days), have been included. WESTON assumes that all meetings will be held at the CENAE onsite office, except for the initial job opening meeting.

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#### 0140 Quality Control

• A full time Project Engineer/Quality Control Officer will be on site during construction activities to monitor submittals, prepare construction logs, develop weekly progress reports, review analytical data, and review subcontractor certified payrolls. Quality Control Manager will review overall quality control objectives vs. project quality control on a weekly basis (1 hour a week for 8 months). Effort for this task is included under WBS 1400, Site Work. A total of 55 hours per week are included with this task for a period of 8 months.

#### 0210 Subcontract Administration/Procurement

It is anticipated that approximately 6 subcontracts will be issued for remediation services including; well drilling, surveying, hydroseeding, transport and disposal of non hazardous soil, soils solidification. and laboratory. In addition, approximately 30 vendors are projected for materials and equipment rental. Effort for this task includes issuing advance notification packages for consent, preparing and issuing BAFO's for all six subcontractors, reviewing proposal data, issuing subcontracts, and setting up requisitions in oracle database for all subs and vendors during the course of the project. A total of 232 hours are included for this effort. Additional effort is included for the Project Engineer to assist in final subcontractor and vendor qualifications (30 hours, 2 weeks) and Middle Engineer (24 hours). A total of 44 hours of clerical support are required for printing, copying, and shipping subcontractor packages plus 1 hour for each vendor.

#### 0220 Record Keeping

A total of 3 hours a week are included for maintaining project files and DCN files in MNH.
 This will include updating correspondence files Weston and CENAE, vendors, subcontractors, contract documentation, daily reports, permits, lab data, status reports, financial data.

29 days

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#### 0230 Invoices

• The Project Manager is required to review and sign all invoices. Effort for this task is included under task 0100. Additional financial and clerical support are required (5.5 hours and 4 hours a week for 8 months have been included).

#### 0310-10 Work Plan (Final)

• The final work plan will be prepared which meets requirements stated in section 3.2.1 and App E (DD form 1664) ID No 4. This includes preparation of response to comments, and the following revised sections (title page, project schedule, backfilling and grading plan, erosion and dust control plan, site security and control plan, air monitoring plan, confirmatory sampling plan and site layout. The project effort is included for this task, however, actual effort may vary depending on the extent of regular comments and/or revisions. A total of 16 hours have been included for a mid-level engineer to prepare a response to comments, 24 hours for Project Engineer, 6 hours for final review, 8 hours for a regulation specialist, 32 hours of CADD effort. WESTON has not included preparation of a CQCP.

#### 0310-20 Site Specific Health and Safety

SSHP will be prepared which meets requirements stated in section 3.2.2 and Appendix E
 (DD form 1664- ID No3) of the Spec. This includes preparation of a response to comments and revisions to the site safety and health plan.

#### 0310-30 Health and Safety Program

 Weston's CIH shall submit a written certification that the HASP has been accepted, implemented, and maintained as stated in Appendix E (DD form 1664-ID No 2) of the Spec.

#### 0310-40 Sampling and Analysis Plan

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HIGH

The Final SAP will be prepared which meets requirements stated in Spec. section 3.2.4 and Appendix E (DD form 1664-ID No 1) This includes preparation of a response to comments (18 hours for a mid level engineer), 24 hours of revisions by a Project Engineer, 10 hours of regulatory support, and 12 hours of review by a Project Manager. In addition, a total of 10 hours are required to revise project data requirements

#### 0320 Final/Closeout Report

• A final report will be prepared which shall include, but not limited to, a summary of weekly reports, analytical data, visitor logs, air monitoring data, shipping forms, monitoring tests, minutes and additional requirements per spec section 3.18.3 and App E ID No 6 (DD Forms 1423 and 1664-1). It is anticipated that draft and final copies all be submitted to CENAE per distribution list. Note: Final asbuilts shall be prepared which meet section 32.1.7 of the spec.

#### 0410 Permits

• WESTON shall complete the NYDEC state equivalent SPDES permit in order to discharge waste water collected during decontamination activities in Reeder Creek, per spec section 3.7.2.4. Currently, WESTON expects to comply with class D surface water criteria, however, more stringent criteria may be required upon permit approval by the state of New York. It is necessary to submit worst case groundwater criteria for the permit. A total of 16 hours have been included to prepare the permit by a mid\_level engineer, 4 hours for regulatory review and 2 hours by the Project Manager,

#### 0420 Off-Site Borrow Pit

• Swell percentages were obtained using Table 4-1 in Estimating Construction Costs, Ed.4, Peurifoy & Oberlender, 1989. Sand or gravel has a swell factor of 16%, loam 25%. Weston shall submit a qualifications letter to the CENAE that compares suppliers of borrow material

### Seneca Army Depot Activity SEAD - Open Burning Grounds Remediation Romulus, NY September 18, 1998

per spec section 3.4.2. The letter will state approximate volumes of required fill types for the SEDA site. A total of 8 hours by the quality control officer are required to prepare this letter.

WESTON shall sample all offsite borrow at a frequency of 1 sample per 2000cy or 1 sample per source (if <2000cy), except for rip rap and crushed stone (which will not be sampled).</li>
 For NYSDEC TACM for TAL metals, explosives, TC2 (volatile and semi-volatile) and PCB/post. WESTON recommends reducing this frequency to 1 sample per borrow pit in addition to PID screening (3 days).

#### 0430 Treated Soil Disposal Facility Report (TDSF)

 WESTON shall obtain NYSDEC disposal facility operations permits, licenses, transportation certification, (if required) insurance certificates, audit information to the CENAE. In addition, a waste characterization report (profile) will be submitted to NYSDEC as required per spec 3.4.3.

#### 0440 Soil Solidification/Stabilization Bench Scale Treatability Testing

- WESTON assumes the total quantity requiring soil treatment (stabilization/solidification) is \$20,000 tons (Section 1.3.3.1 pg. 1-5)
- The soil stabilization quantities may increase due to treatment requirements for lead TCLP.
- A total of 12 hours for the Project Engineer have been included for bench scale testing coordination with the soil solidification firm (if applicable). The bench scale testing will be used to qualify initial treatability mix design parameters prior to site mob.

#### 0510-10 Record Drawings

The surveyors are subcontracted to prepare asbuilts as per 3.2.1.7. A total of 20 hours are
required by the Quality Control Officer, 4 hours by the Project Engineer, 2 hours by the
Project Manager to review asbuilts priort to submittal to the CENAE.

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#### 0510-20 Task Order Closeout

• Closeout activities include preparing release of liens for all venders and subs, decommiting balances off requisitions, closing out requisitions, reviewing final status reports with CENAE for invoices, and preparing task order completion signature page. A total of 80 hours are required to close out each commitment by a procurement specialist. A total of 90 hours are required by the Project Manager to review all final invoices. Additional closeout of financial and contract items include 30 hours for a financial analyst and 20 hours for a contract administrator. Support includes assistance by the Project Engineer (20 hours) and clerical staff (60 hours)

#### 0520 Property Control

WESTON shall complete a final inventory of all government property at the site. This
includes updating excel tracking spreadsheets on quantities, costs, and conditions. WESTON
will ship all government property to the Waltham location. It is assumed that one 8'x40'
trailer will be shipped at \$1500.

#### 1110-10 Office Trailers

- WESTON will mobilize the site by 9 November, pending final plan approval by the CENAE and EODT progress.
- WESTON plans on mobilizing a storage container with office for sample preparation and storage. An 8 x 28' trailer will be utilized for this purpose. It is assumed that WESTON will utilize existing SEDA Facilities. No office site trailer will be utilized. In addition, 2-8'x20' storage containers will be used to store all WESTON equipment (for security purposes). A total cost for trailer rental is \$5600 over a 10 month period. It is not cost effective to demobilize the trailers during the 2-month shutdown and remobilize to the site in the spring.

## Seneca Army Depot Activity SEAD - Open Burning Grounds Remediation Romulus, NY September 18, 1998

#### 1110-20 Utilities

- Electrical connections from the pole to the trailers will be made in one drop, by a licensed electrician. WESTON has not included installation costs associated with additional utility poles.
- A hydrant is available for use for dust control approximately 2000 lf. Away.
- SEDA shall mark out existing utilities (i.e. buried electrical conduit for OB grounds).
- Utility costs also include rental charges for one Copy Machine, four office computers, two printers, and eight 2-way radios, all of which will be rented for an 8 month duration.
- Water Cooler service will be provided for 8 months at 3 bottles per week.
- Two three-bedroom apartments will be rented for WESTON personnel at an approximate distance 7 miles from SEDA. This cost reflects furnishings. Apartment utility costs include phone, electric, and hot water.
- A four cubic yard dumpster will be rented in support of the office trailers and will be emptied once per week by the dumpster vendor for 32 weeks. A 30 cy Roll-Off container shall be onsite for 8 months.
- Three Portable Sanitation Facilities will be available in the support zone for the project duration.

#### 1110-30 Security Fencing

- Security fencing shall be placed at existing entranceways and accessways into the OB Grounds. This includes the decontamination area (250 l.f) vehicle haul route entranceways (400 l.f), equipment staging areas (300 l.f), and dewatering location (500 l.f).
- WESTON has not included safety/security fencing for the excavation areas or perimeter limits of the OB Grounds.

## Seneca Army Depot Activity SEAD - Open Burning Grounds Remediation Romulus, NY September 18, 1998

#### 1110-40 Access Roads

- WESTON will utilize existing roads where ever possible.
- The access road **entranceways** shall be maintained throughout the project at all locations where the CRZ meets the support zone road. This includes placement of crushed stone, as shown in drawing 27. Placement of fill includes 100' of bedding at 2 separate locations.

#### 1110-50 Soil Staging Area

- WESTON's work plan detailed provisions for a soil staging area outside OB Grounds due to the 850' EODT clearance requirements and subsequent treatment in the fall (Fig. 5-1). However, since access is only required for sampling purposes, WESTON will assume EODT will stockpile the 3 case soils inside in OB Grounds.
- In order to maximize use of EODT equipment and to reduce costs associated with materials handling equipment, WESTON assumes EODT will maintain materials handling of piles.

   WESTON will manage the Case 1 and 2 soils once EODT has stockpiled the 200 cy piles into large piles.
  - WESTON will line the bottom and maintain coverage of soil piles (2 laborers @ 8 mio x 50%=1600 hours and 1 operator @ 10 hrs/wk= 320 hours).
  - WESTON has not included coverage of clean borrow stockpiled soils (50- 100'x100' liners).

#### 1110-60 Equipment Decontamination Pad

• A 20'x50' decontamination pad will be constructed in order to ensure all equipment is clean prior to entering the support zone. (See cost backup for details)

#### 1120-10 - 1120-50 Surveying

• WESTON has scoped surveying as per specification, however, a 100' grid system was utilized instead of a 75' grid system. A total of 15 days were added based on the daily rate for re-staking instead of the 50% as detailed in the CENAE WBS. The surveying subcontract

#### Seneca Army Depot Activity **SEAD - Open Burning Grounds Remediation** Romulus, NY **September 18, 1998**

activities were distributed by WBS from task 1120-10 to 1120-50

#### 1200 Monitoring, Sampling, Testing & Analysis

Perdiem rates have been included for all.

#### 1210-10 - 1210-50 Excavation Sampling

WESTON has included effort for 1 technician to perform sampling activities full time during EODT excavation and solidification, however a second technician may be required in the spring. A total of 120 days are included.

#### 1220-10 – 1230 Laboratory Chemical Analysis

Sample validation effort is included @ 1/4 hr/sample.

#### 1220-10 Excavation Analysis

- WESTON proposes to utilize a Niton XRF analyzer to screen soils using EPA approved Method No. 6200 "Field Screening Using a Field Portable XRF" in order to determine a quantitative number in mg/kg of lead in soil. The use of this device may expedite backfilling through immediate results. A correlation study will be performed prior to approval and use onsite for backfilling purposes.
- A total of 4 laboratories were evaluated for analytical services. The proposals were based on 3 day TAT for soil samples and 7 day TAT for water, wipe, bulk, and air sample. The 3 day TAT is necessary in order to backfill excavations as soon as possible. Proposals ranged from \$145,505 (E & E Analytical) to \$280,057 (Toxicon). WESTON has selected RCRA at \$156,666 since E & E has not received a current CENAE MRD approval certification letter. WESTON shall use the lowest qualified bidder if the certification is presented prior to final negotiations.

1240 Air Monitoring Plan

DASSOND TOTAL LEAD ONLY

#### Seneca Army Depot Activity SEAD - Open Burning Grounds Remediation Romulus, NY **September 18, 1998**

- For air samples, 4 samples per week for 9 weeks were assumed. These costs have been included in the laboratory subcontract costs.
- The totals associated with XRF rental for three months are \$9978. Analytical confirmation data shall still be used for the 5 day initial excavation limits. The XRF may be used as a screening tool to expedite additional excavation and/or backfilling.

#### 1310-10 Run-On Control

A total of 100 labor hours and 50 operator hours are included for run-on control

#### 1310-20 Run-Off Control

IMPLEMENTATION OF ASSUME

IMPLEMENTATION

INDESTON

Culverts crossing road

Culate or WESTON to construct stormwater pump stations at two culverts crossing road adjacent to Reeder Creek. Figures 26 and 27 were used to calculate quantities of material for construction of the basins.

- Loader with operator and two laborers for two days required to place stone over filter fabric and hay bales for stormwater pump stations.
- Two 3" pumps for four months are assumed for runoff control.

UXO sub responsible for stormwater run-off control.

#### 1310-30 Excavation Dewatering

- For purposes of dewatering calculations, WESTON has assumed that all Case III excavations are to a 2 foot depth.
- WESTON will perform construction of the 2.5 acre wetland area in the Spring of 1999 due to the inability to work within 850' of EODT. For purposes of dewatering calculations, it was assumed that one foot of water will accumulate in this area and the entire area will be pumped for backfilling purposes.
- All berms will be excavated to surrounding ground surfaces and will not extend into the groundwater table.
- April 1992 water levels were used for purposes of dewatering calculations.
- The maximum k value was used for dewatering calculations ( $k=1.54\times10^{-3}$  cm/sec).

#### Seneca Army Depot Activity SEAD - Open Burning Grounds Remediation Romulus, NY **September 18, 1998**

- Excavations will be pumped as necessary during excavation. Large excavations will be performed progressively with backfilling to minimize the area of open excavation and volume of water accumulated.
- Excavations will be pumped once to remove full volume of water accumulated between time of sampling and time of backfilling to allow backfilling. These volumes are calculated based on the April 1992 groundwater table and final excavation depths.
- An additional 3" of precipitation is assumed to enter all excavations while excavations are open.
- Based on the site visit of 7/15/98, WESTON assumes that an average of 2 inches of water will be present in each of the individual wetlands (total of 2.5 acres) at the site. This water will require pumping and treatment before rough grading of the 30 acre area.
  - To calculate the amount of water weeping from saturated soils, a porosity of 0.33 and weeping factor of 10% were assumed.
- 2,000 feet of hosing will be required for dewatering.
  - One 5000 gallon tanker truck will be required for the duration of dewatering activities.
  - A 21,000 gallon frac tank is assumed for use at the OB grounds to allow for flexibility in Trucks will then pump from frac tank and discharge at pumping from excavations. ModuTanks before treatment.
- Heavy equipment required to move dewatering equipment includes a loader, however, costs SHOULD PE for this equipment are not included in this item because it is likely to be needed only a small portion of the overall time.

Two lab orers working full time will be required to manage dewatering equipment.

- Two 3" pumps will be required for dewatering excavations for a period of 6 months.
  - drivers working half time for 6 months will be required to haul water from the OB grounds to the WWT equipment.

Seneca Army Depot Activity
SEAD - Open Burning Grounds Remediation
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#### 1310-40 Equipment Decontamination

• WESTON has not costed decontamination showers which would be required if the exposure level exceeded the Action Level of 12.5 mg/m³ for lead (1 lab 20 hours per week, and 1 operator at 10 hours per week.

#### 1320-10. WWT Plant Preparation/Grading

• Treatment plant operation requires the use of a D6 Dozer to level and spread sand with the assistance of a one laborer work crew. Costs include mobilization/demobilization and fuel for equipment.

#### 1320-20 WWT Installation of Berm & Liner

• Installation of 2 ModuTanks (250,000 gallon and 500,000 gallon) will require a work crew of 4 laborers for 10 days and a Lull Fork Lift for duration.

#### 1320-30 Pilot Test

- The pilot test shall be performed the first week of treatment operations, including rental and operation of equipment. Sampling and analytical costs are carried under WBS 1230, Wastewater Sampling and Analysis. Should results of the pilot test determine that treatment in addition to filtration is required to meet discharge standards, the treatment system will be reevaluated.
- It is assumed that the WWT equipment setup will occur during ModuTank installation, therefore, no additional equipment is required to set up the equipment.
- Dewatering and Wastewater Treatment will be performed for a total of 6 months, including the months of November and December 1998, and April to July 1999.

Seneca Army Depot Activity
SEAD - Open Burning Grounds Remediation
Romulus, NY
September 18, 1998

#### 1329-40 WWT Operation and Maintenance

- rent fund by har. capacity) will be required to provide
- Two ModuTanks (250,000 gallon and 500,000 gallon capacity) will be required to provide storage capacity and settling of precipitating and suspended solids from groundwater. The tanks will be rented continuously for 10 months from Nov 1998 to Aug 1999.
- It is assumed that each filter bag can hold approximately 1 lb. solids and that each bag can filter approximately 2,000 gallons of water before requiring changeout.
- Disposal of filter bags is included under WBS 1620 for debris disposal.
- Sludge accumulating on the bottom of the ModuTanks will consist of precipitating metals, mostly iron, and settling suspended solids. An average concentration of iron was calculated based on well data in the vicinity of the excavation for two sampling events. It was assumed that all the iron would settle out (additional small amount of other metals will precipitate). To calculate a volume of sludge, the total volume of water anticipated times the concentration of iron as FE(OH)<sub>3</sub>, an assumed density of sludge of 62.4 lbs/cf, and a percent solids of 0.5% were used. It was assumed that the sludge would also contain suspended solids, so the calculation was doubled. This number is used in WBS 1710-80, Wastewater Treatment Area Demobilization to determine sludge treatment and disposal costs.
- A system with a capacity of 150 gallons per minute has been included, however, it is estimated that typical flow rates will be 100 gpm given 8 hours per day of operation.

  It is assumed that one laborer working full time for six months will be required to operate the WWT equipment.
- It is assumed that 1 operator will be required to operate the WWT plant 50 % of the time to change out filter bags.

#### 1330 Reeder Creek Diversion

 A loader will be used in the diversion of Reeder Creek. Sand bags and sand along with pump and hose rental are included. Costs include mobilization/demobilization and fuel for equipment. Includes set up and operation and maintenance costs for the diversion.

Seneca Army Depot Activity
SEAD - Open Burning Grounds Remediation
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#### 1410-10 Erosion Control

Erosion control includes hay-bales, equipment and materials including silt fence along access
roads and Reeder Creek. It is assumed that a rubber tire backhoe will be needed for the
excavating. Costs include mobilization/demobilization and fuel for equipment. A total of 2
weeks to install erosion control measures and 2 weeks to remove erosion control measures are
included (2 laborers) with 1 operator (75) hours.

#### 1410-20 Dust Control

A water truck has been costed for a period of 4 months. In addition, 200 labor hours have been included to maintain dust controls as dictated by air monitoring data.

#### 1420-20 Operation

WESTON has included a unit cost of \$25 / ton for treatment of characteristic soil. Bids could not be obtained in the period allotted for the preparation of the cost proposal. WESTON shall include the most qualified bidder prior to final award of this T.O. WESTON has issued RFP's based on the following information. Per conversation with Elizabeth McManus of the EPA, soils must contain lead < 7.5 mg/l in order to meet land ban requirements. Soils from 5-7.5 mg/l must be disposed of as Subtitle C material (haz.)., and soils < 5 mg/l can be disposed of as Subtitle D material. Soils that are > 7.5 mg/l must be treated to 90% or 10x the UTS which is 7.5 mg/l. WESTON assumes the 5.0 mg/l meets current land ban and characteristic waste disposal requirements.

#### 1430 Earthwork/Soil Cover

Costs include mobilization/demobilization and fuel for equipment. WESTON will provide a
vendor for fueling the equipment. WESTON has not assumed an oiler for the equipment.

#### 1430-10 Clearing

WESTON assumes most of the clearing will be done prior to the Earthwork by the UXO contractor. Three days are necessary for clearing by a WESTON operator with a bushhog. A tractor will be rented for a period of three days for the final clearing. A subcontractor will be hired to mow grassy areas on site.

#### Seneca Army Depot Activity **SEAD - Open Burning Grounds Remediation** Romulus, NY **September 18, 1998**

#### 1430-20 Offsite Borrow/Backfill

WESTON assumes that all borrow material will be unloaded directly for backfilling purposes Druby Shory without separate hauling.

#### **1430-30 Grading**

1 CAT 4x4 truck, 2-D8 dozers, a vibratory roller, and Grader have been included for grading to perform rough grading for cut/fill balances per proposed grading plan. One full time A vibrating roller shall be used for compaction of materials (360 hours).

#### 1430-40 Compaction

#### 1430-50 Topsoil 4"

A total of 2 motor graders and 1-D6 dozer will be used for a period of 2 weeks to spread 4" of topsoil over the OB grounds. This excludes the wetland area.

#### 1430-60 Planting

Planting shall be performed by a subcontracted Hydroseeder. This includes an additional .005 per ft. for a tackifier. This will maintain the hydroseed application during heavy winds and rain.

#### 1440 Reeder Creek Sediment Removal

- Limits of excavation along the banks of Reeder Creek shall be defined by WESTON.
- WESTON assumes that UXO support will be provided by the Army for Reeder Creek excavation.
- The actual flow during the initial sitewalk was based on .25 fps (stream is approximately

Seneca Army Depot Activity
SEAD - Open Burning Grounds Remediation
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10'wide on average)

#### 1440-10 Brush Clearing

 WESTON assumes that SEDA will perform brush clearing at Reeder Creek and within the OB Grounds, however, WESTON has included costs associated with mowing the landfill once prior to rough grading and once prior to demobilization for turf establishment.

#### **★1440-20 Sedimentation Control**

 Periodic hay bale installation will be necessary across Reeder Creek in roughly 250 foot intervals. Labor, equipment, and materials necessary for hay bale installation are included here.

#### 1440-30 Excavation

 A total of 2-Long Reach Excavators, and 2 CAT 4x4 Trucks will be required for the transport of wetland sediments to the 200 cy soil stockpile area for sampling.

#### 1440-40-Sedimentation Handling

• A Grade-all, loader, labor, equipment and materials, including the liner material will be necessary for the installation of a bermed and lined settling basin.

#### 1440-50 Stabilization of Streambank

 The establishment of vegetation will be performed by a subcontracted Hydroseeder after topsoil is installed using a Grade-All and Truck including labor, equipment, and materials necessary for the revegetation of Reeder Creek. WESTON assumes \$0.005 per sf for the Hydroseeder's tackifier.

#### 1450-20 Installation of New Wells

WESTON has assumed that two mobilizations will be necessary for this effort.

#### Seneca Army Depot Activity SEAD - Open Burning Grounds Remediation Romulus, NY September 18, 1998

Decommissioning is scheduled for the fall and new monitoring well installation shall be performed in the spring.

#### 1510 Wetlands Restoration

- Emergent wetlands are not regulated via permits
- Costs include fuel, mobilization and demobilization of equipment during late spring.

#### 1510-10 Rough Grading

Rough Grading shall be performed with a D-6 Dozer and a compactor. n excavator, 2 CAT 4x4 Trucks, 1 Bulldozer, and a compactor. A total of 5 days are included for rough grading. One laborer is included for this effort. WESTON HAS 100 HRS FOSL EQUIP OPERATOR, 50 HRS LABORER

#### 1510-20 Place Organic Fill

A total of 2 weeks have been included for placing the organic fill with a D-6 dozer. A total Mark was of 50 hours have been included for ground support.

#### 1510-30 Vegetation

Vegetation shall be performed by Hydroseeding subcontractor, and it is assumed that 80 hours of labor and equipment will be needed for maintenance in establishing growth.

#### 1510-40 Sedimentation Handling

Sedimentation handling encompasses general maintenance of the sedimentation including labor and the use of a Loader. (Two weeks for an operator and 1 week for a laborer)

#### **1610-10 Loading**

• Loading of trucks will occur in December 1998, and May 1999. A loader full time for two months has been included in this item.

#### 1610-20 Hauling

WESTON has evaluated transportation and disposal costs for the treated soil from four

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# Seneca Army Depot Activity SEAD - Open Burning Grounds Remediation Romulus, NY September 18, 1998

different sources. Appleton disposal company, Seneca Meadows, Inc, Waste Management High Acres Landfill, and BFI (Niagara Falls, NY). Bids ranged from \$490,000 to \$805,000 for transportation and from \$700,000 to \$1,190,000 for disposal. The quantity of treated soil is based on 24,000 tons + 6,000 tons (additional treated soils) + 3000 tons (case 2 soils) + 2000 tons (Reeder Creek Soils) for a total of 35,000 tons. The proposal structure will allow lower volumes of treated soil be 20,000 – 40,000 be applied to a lower end rate. WESTON obtained pricing from an independent transporter in order to eliminate landfills fee on transportation. This cost when applied to the low bidders cost of \$1,495,000 (T&D) reduced transportation costs by \$140,000 to \$350,000.

- Subcontractors bidding the SEDA transportation work were required to assume a 45 minute cycle time within the SEDA property. This cost is therefore included in the transportation unit prices.
- Transportation costs to the Seneca Meadows landfill by an independent trucking company were used.

#### 1620 Disposal Fees and Taxes

- WESTON estimates that 1,000 tons of debris will require disposal as a result of the remedial
  action. This debris includes such items as PPE, silt fence, hay bales, polyethylene liners,
  water treatment filtration bags and other construction debris.
- A factor for the disposal of additives used in the stabilization process has not been included.
- This project is assumed to be tax exempt, therefore, no disposal taxes have been included in the pricing.

  WESTEN 4% BUX UP FACTOR
- It is assumed that 35,000 tons soil plus 1,000 tons debris (silt fence, hay bales, polyethylene liners, hose, other miscellaneous debris) will require disposal. Additional quantity for stabilization additives have not been included in the quantity estimate.

#### 1710-10 Office Trailers

• This includes labor effort for demobilizing the site trailers

# Seneca Army Depot Activity SEAD - Open Burning Grounds Remediation Romulus, NY September 18, 1998

#### 1710-30 Security Fencing

This includes labor effort for removing all security fencing

#### 1710-40 Access Roads

• WESTON has not included any effort for installation of the 9" course aggregate road. This is a variance to the specification.

#### 1710-50 Soil Staging Area

 This includes labor associated with breaking down the bermed soil staging area and removal of the liner

#### 1710-60 Equipment Decontamination

 This includes labor and equipment time associated with removing pad and materials offsite

#### 1710-80 Wastewater Treatment Area

- It is assumed that sludge will be removed from the ModuTanks using a Vactor truck, squeegees, and a crew of 4 laborers for 3 days.
- It is assumed that the sludge can be treated on site by the soil solidification process and will be disposed of off site as non-hazardous material along with soil.
- It is estimated that approximately 350 tons of metals precipitate and suspended solids sludge will require removal and disposal from the ModuTanks.
- It is assumed that the WWT plant can be broken down and prepared for shipping by two laborers in one day..
- Disposal of all debris is included in WBS 1620.

## Seneca Army Depot Activity SEAD - Open Burning Grounds Remediation Romulus, NY September 18, 1998

 It is assumed that upon removal of the ModuTanks and WWT equipment, the area will require grading and hydroseeding to reestablish vegetation. A total of 5 days are included for removal of the modutank (200 hrs.). Additional effort is included for loader forklift support (80 hrs.)

#### TASK 1100 MOBILIZATION AND PREPARATION



#### GE Capital Modular Space

#### Quotation

SYRACUSE

PATTY KRATZ

Contact: ⊃hone:

1-800 523-7918

Fax:

610 725-5631

Quote No

151866

Quota Expires:

08/12/1998

Date.

07/13/1998

Page No.

1\=_	DESCRIPTION		INUCMA	PEFICD
C <b>0</b> 2	Lease			
	Class: SNGL Unit Width = 10', Unit Length =	= 44° =		
	SINGLE UNIT	6 months <sup>t</sup>	<b>240</b> . 00	per month:
	BUILDING DELIVERY		<b>195</b> . 00	) one time
,	BLOCK AND LEVEL		<b>150</b> . 00	) one times
	BUILDING RETURN*		<b>195</b> . 00	one time ?
	UNBLOCK*		<b>75</b> . 00	lone time #
:		TOTAL ONE TIME CHARGES	<b>615</b> . 00	]
1				1
	OPTIONAL EQUIPMENT			i
.!	Option 1: STEPS (Qty: 2 at \$30.00)		<b>60</b> . 00	) per months
1				1

\* Elled at Termination

\$615 Flat With regard to an "Operating Lease" transaction, in lieu of lessee providing evidence of comprehensive and liability no insurance, lessee may opt to purchase GEOMS's comprehensive and liability waiver

This Quotation is based on the standard terms and conditions of the GE Capital Modular Space Lease, Finance Lease, or Sale Agreement and is subject to Credit Approval. GECMS does not warrant that the equipment meets any local or state code not specifically listed. Pricing quoted herein is good for 30 days and excludes all state and local taxes, fees, permits and utility connections. Equipment is subject to availability

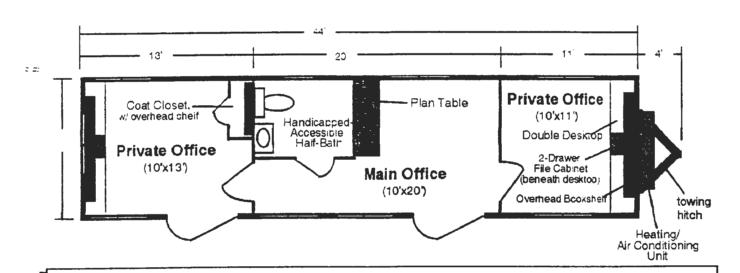
#### We Want to Earn Your Business!

Any Block / Level - Mob Demob diarges for the step Questions:



# The GS-1044 Mobile Office

- 10'x44' building size: 10'x48' overall size (w/ towing hitch)
- (2) private offices; (1) 10'x20' main office
- 440 square feet of interior floor space
- all-electric; central heat & air conditioning
- 50 lbs. per square foot allowable floor load
- ideal workspace capacity: 4-7 people



#### STANDARD FEATURES

10" JR I-beam outrigger chassis frame 2"x6" floor joists, 16" O.C. 3-1/2" R-11 floor insulation 5/8" floor decking 1'8" vinyl floor tile 2"x4" wall studs, 16" O.C. 1/4" woodgrain paneled walls 3-1/2" R-11 wall insulation Central heat and air conditioning

Eight 46"x27" sliding windows
Twelve 120V electrical outlets
Two 36"x80" exterior doors,
with keyed looks
Two 36"x80" interior doors
(3, with half-bath models)
Electric water heater, with half-bath
.019 deluxe aluminum siding
or

bath models)
Two 120" double desktops, with 2-drawer file and overhead bookshelf
36"x60" plan table

Prefinished gypsumboard ceiling, 8'AFF

Six adjustable heat/air ciffusers in ceiling

Eight 4' twin-tube fluorescent lights

6" R-19 ceiling insulation

Galvanized steel rooting

#### <u>NOTES:</u>

decorative wood siding

- Building requires single-phase electrical service (125 amps optimal)
- Some GS-1044's may not include half-bath and/or coat closet
- Some features and floor plans may differ slightly among GS-1044's

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7894 Whitney, Steve

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WILLIAMS SCOTSMAN, INC.

Pelham Industrial Park Pelham, NH 03076-2154 Phone: 603-882-2823

Fax: 603-882-7245 Toll free: 800-782-1500

Page 1 of 2

	QUOTATION NO: 38670-1
CUSTOMER Steve Whitney Roy F Weston Inc 1 Wall Street Manchester, NH 03101	SHIP TO Roy F Weston Inc Seneca Falls, NY
PHONE: (603)656-5462	FAX: (603)656-5401 E-MAIL:

SALES REPRESENTATIVE	TERMS	QUOTE DATE	QUOTE EXPIRATION:
Lori Nastasia	Net 10 days	July 10, 1998	August (19, 1998

# INSURANCE VALUATION: DELIVERY FREIGHT: BLOCK AND LEVEL: \$148.00 S240.00+ RETURN FREIGHT: \$184.00 RETURN FREIGHT: \$184.00 \$184.00 711 Flat Ca

	CHECK DES	RED OPTIONS	
Initial Options	Ext. Amt.	Monthly Options	Ext. Amt.
(2) OSHA Aluminum Steps - Setup (g). \$30.00 each	\$60.00	(2) OSHA Aluminum Steps (per m \$35.00 each	outh) @. \$70,00
		Final Options (2) OSHA Aluminum Steps - Know (2) \$30.00 each	skdown \$60.00
Can Dana	2.75	regarding this quotations	

Page 002



#### WILLIAMS SCOTSMAN, INC.

Pelham Industrial Park Pelham, NH 03076-2154 Phone: 603-882-2823

Fax: 603-882-7245 Toll free: 800-782-1500

Page 2 of 2

#### QUOTATION: NO.: 38670-1

#### CLARIFICATION(S):

- 1. Pricing is based upon clear, dry, accessible site with maximum 2' elevation change over length of unit. W/S cannot be responsible for site conditions out of our control.
- 2. Step setup pricing is based on level ground with clear access to site. Unlevel ground will incur additional charges for leveling of steps.

#### ADDITIONAL COMMENT(S):

. ...

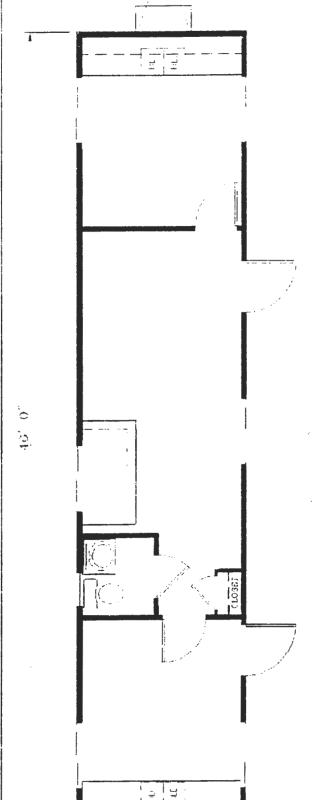
- Delivery is based on clear access to site for truck and trailer to truck set unit.
- Unit is covered by Williams Scotsman's full term lease warranty utilizing our full time service staff. No cleaning charges for normal wear and tear.

#### ATTACHMENT(S):

Customer hereby agrees to the above quoted prices and specifications. Customer further authorizes Williams Sexisman to make appropriate arrangements for the delivery of the above described Equipment. Upon delivery, and until a subsequent Lease Agreement is executed by Williams Scotsman (as Lossor) and Customer (as Lessee), the Standard Williams Scotsman Lessing Fernis and Conditions, which are incorporated by reference aerein, will govern this transaction.

CUSTOMER:	BY:	 	TITLE:	-DATE:
Roy F Weston Inc				1

The items described above comprise the Equipment which the Customer desires to lease from Williams Scotsman. All equipment is subject to availability. Physical Damage and Commercial Liability Insurance on erage are required beginning on the date of the Equipment's Delivery. Prices quoted above do not include any local, state, or federal taxes or any fees. Permits rosungs, steps, site preparation, electrical, and plumbing connections are not included in the quoted price unless specifically stated.



# Specifications

#### Size(s)

- 50 Long (including hitch)
  - 46' Box size
    - 10' Wide
- 8' Ceiling height

# Interior Finish

- Paneled walls
- Vinyl tile floors
- Oypeann cerling
- Private office(s)

# Mobile Office 50x10

lices • Storage Products
And More

NVWSLC

Æ

# Heating and Cooling

Two built-in desks with file cabinets

Furniure

One built-in plan table

Overhead shelf

- Central HVAC or thru-wall AC
  - Exterior Linish Frame
- Aluminum siding 1-Beam frame
- Standard drip rail gutters

Wide open shells available
 Iditional floor plans available. Floor plans and specifications may vary from those shown, and are subject to in-stock availability.

two vision panel doors with standard locks

Porizontal slider windows

Fhorescent ceiling lights

Breaker panel Windows Doors WILLIAMS SCOTSMAN, INC. Polham Industrial Park

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- OFFICE RECEPTION and CLASSROOM FURNITURE RESIDENTIAL AND DORMITORY FURNISHINGS STEPS. RAMPS and DECKS
- COMPREHENSIVE DAMAGE and LIABILITY WAIVER SITE SERVICES MONITORED SECURITY SYSTEM

#### FACSIMILE TRANSMISSION SHEET

Date:

09/08/1998 15:09:08 (EST)

To:

Steve Whitney

Company:

Roy F. Weston

Phone:

603-656-5400

Fax:

603-656-5401

From:

**PATTY KRATZ** 

Fax Id:

116496

Thank you for the opportunity to provide you with this quote. If you have any questions please call me at 1-800-523-7918 extension 5434.

Thanks, Patti Kratz



#### GE Capital Modular Space

#### Quotation

10/08/1998

09/08/1998

Quote No.

Page No.:

Date

Quote Expires:

BRANCH OFFICE SYRACUSE

402 N. CENTRAL AVENUE

**MINOA NY 13116** 

Contact.
Phone:

Customer

Fax

PATTY KRATZ

610 725-5631

1-800 523-7918

Deliver To

Seneca NY

Roy F. Westor

Attn: Steve Whitney Phone: 603-6

Fax:

603-656-5400 603-656-5401

C. Charles Charles Englished Bonne Consulty Consult Male

One Stop Shopping: Steps, Furniture, Ramps, Security Screens, Waiver

Our Business Is Helping You Solve Your Space Needs

\* Local Sales and Service Support \* Calendar Month Billing
\* National 24 hour Sales and Service Center \* No Automatic Cleaning Charges

LINE	DESCRIPTION	AMOUNT	PERIOC
001	Lease Class: STRV Unit 029631 Unit Width = 8', Unit Length = 28' STORAGE VAN 6 months BUILDING DELIVERY BLOCK AND LEVEL BUILDING RETURN* UNBLOCK*  TOTAL ONE TIME CHARGES  OPTIONAL EQUIPMENT Option 1: STEPS (Oty: 1 at \$30.00) Option 2: STACKED CHAIR (EA.) (Oty: 4 at \$5.00) Option 3: FOLDING TABLE (EA.) (Oty: 1 at \$12.00)	145.00 80.00 145.00 45.00 415.00 192/ 30.00	per month one time one time one time one time per month per month per month

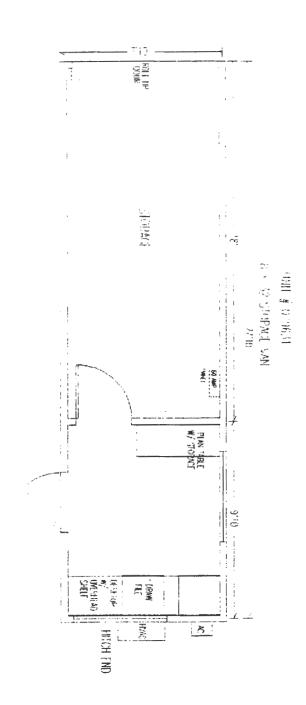
<sup>&</sup>quot;" Brilled at Termination

# GE Capital Modular Space

CUSE

 $\Box$ 

PATTY KRATZ 315-656-7067 315-656-7407



Unit: 029631 Serial. 9304385

7094 Whitney, Steve

Page 001



WILLIAMS SCOTSMAN, INC.

Pelham Industrial Park Pelham, NH 03076-2154 Phone: 603-882-2823

Fax: 603-882-7245 Toll free: 800-782-1500

Page 1 of 2

	QUOTATION NO. 39324-1
CUSTOMER Steve Whitney Roy F Weston Inc 1 Wall Street Manchester, NH 03101	SHIP TO Roy F Weston Inc Seneca Falls, NY
PHONE: (603)656-5462	FAX: (603)656-5401 E-MAIL:

SALES REPRESENTATIVE	TERMS	QUOTE DATE	QUOTE EXPIRATION
Lori Nastasia	Net 10 days	July 13, 1998	August 12, 1998

UNIT DESCRIPTION & PRICING								
32 x 8 Mobile Office (28 x 8 box size) per the enclosed floorplan.								
INSURANCE VALUATION: DELIVERY FREIGHT:								
MONTHLY LEASE RATES:		BLOCK AND LEVEL:	\$99.00					
☐ 6 months	\$160 00	KNOCKDOWN:	\$53.00					
		RETURN FREIGHT:	\$133.00					

				+ 230	/mo.
	Ø	CHECK DES	RED	OPTIONS	
Init	ial Options	Ext. Amt.	Mo	nthly Options	Ext. Amt.
٦	(2) OSHA Aluminum Steps - Setup @ \$30,00 each	\$60.00		(2) OSHA Aluminum Steps (per month) (a) \$35.00 each	. \$70,00
			Fins	nl Options (2) OSHA Aluminum Steps - Knockdown (a) \$30.00 each	\$60.00
	See Page	2 for more details	regare	ling this quotation.	

7094 Whitney, Steve

Page 882

WILLIAMS
SCOTSMAN

Mobile Offices - Storage Products
And More

WILLIAMS SCOTSMAN, INC.

Polham Industrial Park Polham, NH 03076-2154 Phone: 603-882-2823

Fax: 603-882-7245 Toll free: 800-782-1500

Page 2 of 2

#### QUOTATION NO. 39324-1

#### CLARIFICATION(S):

- 1. Pricing is based upon clear, dry, accessible site with maximum 2' elevation change over length of unit. W/S cannot be responsible for site conditions out of our control.
- 2. Step setup pricing is based on level ground with clear access to site. Unlevel ground will incur additional charges for leveling of steps.

#### ADDITIONAL COMMENT(S):

- Delivery is based on clear access to site for truck and trailer to truck set unit.
- Unit is covered by Williams Scotsman's full term lease warranty utilizing our full time service staff. No cleaning charges for normal wear and tear.

#### ATTACHMENT(S):

Customer hereby agrees to the above quoted prices and specifications. Customer further authorizes Williams Scotsman to make appropriate arrangements for the delivery of the above described Equipment. Upon delivery, and until a subsection Lease Agreement is executed by Williams Scotsman (as Lessor) and Customer (as Lessee), the Standard Williams Scotsman Leasing Terms and Conditions, which are incorporated by reference herein, will govern this transaction.

CUSTOMER:	BY:	PTPLE:	DATE:
Roy F Westen Inc			

The items described above comprise the Equipment which the Customer desires to lease from Williams Scotsman. All equipment is subject to availability. Physical Damage and Commercial Liability Insurance coverage are required beginning on the date of the Equipment's Delivery. Prices quoted above do not include any local, state, or tederal taxes or any fees. Permits, footings, steps, site preparation, electrical, and plumbing connections are not included in the quoted price unless specifically stated.

: ::

z ~.

# Specifications

Size

32: Long (meluding hitch)

- 28° Box size
  - 8° Wide
- 7' Ceiling height

# Interior Finish

- Paneled walls
- Vinyl tile floors
- Gypsum ceiling Private office Wide open shells available

## Furniture

- Two built-in desks with file cubiners One built-in plan table Overhead shelf

## Electric

- Fluorescent ceiling lights Breaker panel

# H indows/Doors

- Horizontal Sider windows
- I'wo vision pand doors with standard locks Hearing and Cooling
  - Electric baseboard heat
    - Thun-wall AC unit
    - Exterior Finish's rame

      - Aluminum siding
- Standard drip rail gutters 1-Beam frame

Additional fluor plans available. Floor plans and specifications may vary from those shown and are subject to in-stock availability



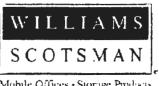
icus • Storage Products And More

Mobile Office 32x8

WILLIAMS SCOTSMAN, INC.

Potham, NIT 03076-2151 Phone; 603-882-2823 Pelham Industrial Park

Fax: 603-882-7245 Toll free: 800-782-1500



Mobile Offices • Storage Products
And More

WILLIAMS SCOTSMAN, INC.

Pelham Industrial Park Pelham, NH 03076-2154

Phone: 603-882-2823 Fax: 603-882-7245 Toll free: 800-782-1500

Page 1 of 2

\$0.00

	· Qt	OTA.	HON	NO. 5	4062-

**CUSTOMER** 

Steve Whitney Roy F Weston Inc 1 Wall Street

Manchester, NH 03101

SHIP TO

Roy F Weston Inc

Seneca Falls, NY

PHONE: (603)656-5462 FAX: (603)656-540F E-MAIL:

SALES REPRESENTATIVE	TERMS	QUOTE DATE	QUOTE EXPIRATION
Lori Nastasia	Net 10 days	September 08, 1998	October 08, 1998

UNIT DESCRIPTION & PRICING

20 x 8 Container

INSURANCE VALUATION: DELIVERY FREIGHT: \$133.00

MONTHLY LEASE RATES: BLOCK AND LEVEL:

☐ 6 months \$65.00 KNOCKDOWN: \$0.00

RETURN FREIGHT: \$133.00

☑ CHECK DESIRED OPTIONS

Initial Options Ext. Amt. Monthly Options Ext. Amt.

Final Options

See Page 2 for more details regarding this quotation:

89/88/98 14:32:35



WILLIAMS SCOTSMAN, INC.

Pelham Industrial Park Pelham, NH 03076-2154 Phone: 603-882-2823

Fax: 603-882-7245
Toll free: 800-782-1500

Page 2 of 2

#### QUOTATION NO. 54069-1

#### CLARIFICATION(S):

- Unit will off-load and on-load from a tilt bed truck/trailer. Clearance required for off-loading and on-loading 20/40' container is 120'. Please insure you have sufficient room when selecting location.
- 2. Please specify direction of doors (i.e. towards cab or towards rear of truck)

#### ADDITIONAL COMMENT(S):

- Unit is covered by Williams Scotsman's full term lease warranty utilizing our full time service staff. No cleaning charges for normal wear and tear.
- Delivery is based on clear access to site for truck and trailer to truck set unit.

#### ATTACHMENT(S):

Customer hereby agrees to the above quoted prices and specifications. Customer further authorizes Williams Scotsman to make appropriate arrangements for the delivery of the above described figuipment. Upon delivery, and until a subsequent Lease Agreement is executed by Williams Scotsman (as Lessor) and Customer (as Lessee), the Standard Williams Scotsman Lessing Terms and Conditions, which are incorporated by reference berson, will govern this transaction.

CUSTOMER:	BY:	TITLE:	. DATE:	
Roy F Weston Inc				

The items described above comprise the Equipment which the Customer desires to lease from Williams Scotsman. All equipment is subject to availability. Physical Damage and Commercial Liability Insurance coverage are required beginning on the date of the Equipment's Delivery. Prices quoted above do not include any local, state, or rederal taxes or any fees. Permits, rootings, steps sac preparation, electrical, and plumbing connections are not included in the quoted price unless specifically stated.



#### GE Capital Modular Space

Quotation

SYRACUSE

Contact PATTY KRATZ
Phone. 1-800 523-7918
Fax 610 725-5631

Quote No..

162674

Quote Expires

10/08/1998

Date:

09/08/1998

Page No.:

2

LINE	DESCRIPTION		TALOMA	PERIOD
002	Lease Class. STRC Unit: 097231 STORAGE CONTAINER BUILDING DELIVERY BUILDING RETURN*	Unit Width = 8', Unit Length = 20' 6 months	425.00	per month one time one time

<sup>&</sup>quot;Billed at Termination

With regard to an "Operating Lease" transaction, in lieu of lease providing evidence of comprehensive and liability insurance, leasee may but to purchase GEOMS's comprehensive and liability waiver.

This Quotation is based on the standard terms and conditions of the GE Capital Modular Space Lease, Finance Lease, or Sale Agreement and is subject to Credit Approval. GECMS coes not warrant that the equipment meets any local or state code not specifically isted. Pricing quoted herein is good for 30 days and excludes all state and local taxes, fees, permits and utility connections. Equipment is subject to availability.

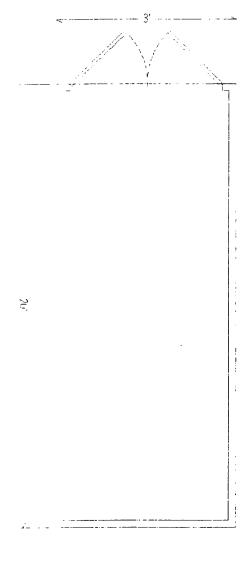
#### We Want to Earn Your Business!

SYRACUSE GE Capital Modular Space

Fax: Phone. Contact

PATTY KRAT7 315-656-7067 315-656-7407

8 X 20 STORAGE CONTAINER o##F∦ o97231



Unit 097231

Serial: 379638



S- ( ) Originator

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S. Originator

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#### PHONE CONVERSATION RECORD

Conversation with:  Name	☐ Originator Received Call  W.O. No
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RCV BY:ROY F. WESTON, INC. : 7-10-98 : 3:02PM :

# RCR Associates Manufacturer's Representatives

Date: 7/10/98

To: Chris Kane

Company:

Fax Number: 1-603-656-5501

From : Rick Rainville

Company: RCR Associates

Fax Number: 1-508-420-0846

#### Message:

Chris,

The following page is a quote for the rental of the Niton XL-309 instrument with LISA for your site application.

The instrument listed is also capablee of detecting lead in paint, in case that has any use to you.

Let me know if I can do anything to help.

Rick

32 Dolar Davis Road, Centerville, MA 02632 508-428-7579 fax: 508-420-0846

#### **RCR** Associates

#### Manufacturer's Representatives

32 Dolar Davis Road Centerville, MA 02632 (508)428-7579 fax (508)420-0846

July 10, 1998

Chris Kane Weston I Wall Street Manchester, NH 03101

Subj: Niton

Dear Chris.

` ~:.

As representatives for Niton Corporation, RCR Associates is pleased to provide the following quote for their XL-309 XRF analyzer:

Date	Prepared for Qu	ote#	Terms:	Duration
July 10, 1998	Chris Kane 0710	9801	* see below	Good for 60 days
Part#	Description	Weel	dy Rental \$	Monthly Rental S
500-850R	Rental of Niton XL-309 with SpectraView	S	1000.00	\$2,576.00
500-855R	Rental of L.I.S.A. (lead in soil analysis) kit for above	S	233.00	\$ 750.00
Misc.	Training for unlimited number of employees at any one time prior to rental		\$1,000	\$1,000

All orders for Niton Corporation equipment should be placed directly with the manufacturer by calling 800-875-1578, or by faxing your order to 781-275-1917.

Terms for rental of the Niton XL-309 require a \$2,500 fully refundable deposit prior to shipment. An additional deposit of \$500 is also required for all LISA rentals. Monthly payments are to be paid within 7 business days of indicated due date on each monthly invoice. Any consecutive 6-month rental may constitute a completed purchase of the instrument with the payment of an additional \$1,500 rental buy-out fee.

Thank you for the opportunity to quote.

Sincerely,

Rick Rainville President - RCR Associates

Cc: Mr. John Shein - Niton Corporation



SHEET \_\_\_\_ of \_\_\_

	SK DESCRIPTION TASK NO							
	ED BY <u>C. Kare</u> ECK BY		т т	DATE		APPROVED BY		
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SHEET \_\_\_\_ of \_\_\_

CLIENT/SUBJECT	www.ders	CESIGNERS.CONSULTANTS	W.O. NO	o	_
ASK DESCRIPTION			TASK	NO	
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512-5643

#### Kane. Christopher G.

From:

Marguis, Walter J.

Sent:

Monday, September 14, 1998 10:35 AM

To:

Kane, Christopher G.

Cc:

Campbell, Bruce A.: Rico, Roberto

Subject:

RE: CGL Modutanks and Rubb Building

#### Chris.

The USEPA needs to confirm that the Rubb building is available for Seneca (USEPA Region II), since at one time it was slated to go to New Bedford. Since the building was purchased by USEPA Region I, it is their preference to retain its use in Region I if possible.

Because the building and both Modutanks are at least partly owned by MADEP and would be used outside of Massachusetts, the EPA is checking with MADEP to see if they can be used at Seneca.

I would not expect to have a firm commitment from USEPA/MADEP by 9/18, thus you may want to include costs for commercial purchase or lease in Cost Proposal - and then later provide a "savings" if the items become available for your use.

#### Walt

- -

Original Message---

From:

Kane, Christopher G.

Sent:

Friday, September 11, 1998 5:53 PM

To:

Marquis, Walter J.

Subject:

RE: CGL Modutanks and Rubb Building

Is there any way we will know by 18 Sept.? This may make a large difference in the proposal costs. What condition is the tank in. Is it bolted together using galv. bolts or SS. I'll discuss with you further if this can be of use

----Original Message-

From: Marquis, Walter J.

Sent: Friday, September 11, 1998 11:08 AM
To: Rico, Roberto; Campbell, Bruce A.; Kane, Christopher G.
Subject: CGL Modutanks and Rubb Building

The EPA is investigating the possibility of letting us use the 2 Modutanks (250k and 500k gallon) and Rubb building for the Seneca NY project. I'll advise as to their determination.

Note: WESTON to notice costs for a separate modulank 500-250KG based on this

Walt

1



SHEET \_\_\_\_ of \_\_\_\_

CLIENT/SUBJECT	W.O. NO	
TASK DESCRIPTION	TASK NO	
PREPARED BY	(.Kane DEPT DATE 9/16 APPROVI	ED BY
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		11500
	+ 1000 Drop + 1000 Pick	
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	Note: Purchase \$ 1500-3500 =	
	Tax Sholds: 20 Q 15 ca	300
	Generator. 400/mg & Dro	= 4000
	55-gallen Druns(traish): 3 @ \$30ea	90
	Shorols: 3 @ 20 ea.	60
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	x 40 NS.	
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	Gordon Hope: 00 1.F. x 140	40
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RFW 10-05-003 A-5/85 512-5643	Poly Tonk: 2 @ 500 galoc. 15/275	450

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SHEET \_\_\_\_ of \_ CLIENT/SUBJECT \_ W.O. NO. \_ TASK DESCRIPTION TASK NO. \_ Kone DEPT DATE APPROVED BY \_\_\_\_\_ DEPT \_\_\_\_\_ DATE \_ DEPT\_\_\_\_DATE METHOD REV. BY \_\_\_ 50 3 ab. 1 100 = 2ab = 1 Blace bedding, for pad, pour, 5thp will her 50 1 laborer @31000. ~50% = 800 1 Operator @ 10hs/uk +8n = 320 Instalation: Broakdown: Under Denot

RFW 10-05-003/A-5.85 512-5643

COSTS OF TARRS

notes: d me that environmental companies have ordered the blue; black is generally twice the price

	Cheapest 100,50 (1944)	BLUE LIGHT STORY OF THE PERSON PERSONS ASSESSED.							
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050	050 Stillwell Supply Corp	44-68 Vernon Blvd	Long Island City NY   11101 718-784-2500   718-784-2225	×	11101	718-784-2500	718-784-2225		no (one-
090	060 Raw Equipment Corp	2800 College Point Blvd	Flushing	×	11354	NY   11354   718-461-2200   718-762-3094	718-762-3094		will call
080	Co, Inc	99 W 9th St	Brooklyn	×	11231	VY 11231 718-875-4734	n/a		2\$100
085	085 C&S Canvas Products Corp	377 Corbin Ave	Staten Island	Ν×	10308	NY 10308 800-760-8977 718-966-7867	718-966-7867		5

	Cheapest 100*50	BLACK								
**	Name	Address	City teaching the St Zip Ph	Sŧ	Zip ,	Ph Fax			Contact Shipcos	Shipcos
459	459 Safeware	324 S Second St Pike Unit 1   Southampton   PA   18966   800-929-3329   215-364-6197   Sandy B.   no	Southampton	PA	1896	6 800-929-33	29 2	15-364-6197	Sandy B.	no
for 3	or 3 month lead time, 0.10/s.f. for "rush" o	ush" order (less than 3 months))	((							no
100	100 RMC Canvas & Rope Co, Inc   99 W 9th St		Brooklyn	λ	1123	NY 11231 718-875-4734 n/a	34 г	1/a		2\$100
180	180 MacMillan Industries	568 Rte. 32	New Windsor	N	1255	NY 12553 914-534-4321	21			5
	Cheapest 100*100	BLUE								
CAN STATE	Name - The Part of the Part of	Address	City, phone of heart when a	St	St. Zip. Ph	Ph .	SHEET IN	Fax was a rest	Contact	Shipcos
032 T	Truckjacket Covers	PO Box 222	W. Islip	N	1179	5 800-652-68	37 8	NY 11795 800-652-6837 800-652-6837		по

	Cheanest 100*100	BITE							
Cristian Constitution	Name	Address	City ato 4813 confesses	St	St. Zip. Ph	Spirit Same	Fax A Contact Shipcos	Contact	Shipcos
03%	032 Truckjacket Covers	PO Box 222	W. Islip	ž	11795	-652-6837	800-652-6837		no
575	575 Armor Canvas Products, Inc	295 Broadway	Bethpage	ž	11714	NY 11714 516-579-7798 516-931-8974 Josephine	516-931-8974	Josephine	
0.06	0.06 RMC Canvas & Rope Co, Inc 99 W 9th St	99 W 9th St	Brooklyn	×	11231	NY 11231 718-875-4734 n/a	n/a		?\$100
	Cheapest 100*100	BLACK							
73	Name	Address	City we have been an alleged	St	Zip	St Zip Ph Fax		Contact Shipcos	Shipcos
0.08	.08 RMC Canvas & Rope Co, Inc   99 W 9th St	99 W 9th St	Brooklyn	×	11231	NY 11231 718-875-4734 n/a	n/a		2\$100
0.16	0.16 Mauritzon	3939 W. Belden Ave	Chicago	=	60647	60647 773-235-6000	٠.		c

ECTS/00934108/159\SENECA\Costtarp

À		101 Great Arrow Avenue	Suffalo, NY 14216	716-877-1992
Anderson	QUOTATION	120 Norman Street   5317 Thompson Road   912 Albany Shaker Road   RD 6. 109 Murrock Circle   720 E. Franklin Street   355 Franklin Street	Rochester, NY 1461 Syracuse, NY 1320 Latham, NY 12110 Watericwn, NY 1366 Endicott, NY 13760 Olean, NY 14760	315-463-8673 518-785-4500
	RGE CALABRETE	Tentative Dat	·	
Name 204 F	WESTON, INC.	New Sale	Usec Sale	RVP   Rental
Address		Credit Established?	11	
City		Established insurance?	~	
State	Ziρ	Phone #		
Job Location	CIA HALLS	FAX #	03-656	5401
Date 7-6-90	SLSM# CHG	Customer P.C		
COMPUTER OF PART NO	DESCRIPTION: Make, Mod	et Senai No., or Other ID	UNIT PRICE	AMOUNT
or PART NO.	1-12 620 Cas	ist ist	DAL	260 W
<i>(</i>	1/1050 FOR	AR Zundle	139	750 0
	* 1420 t	OR ZWONTES	week	790 0
	1.10.00		4-week	210010
1	WA 180	- 1051 -	009	290 Q
	W/FORKS (N	CHARGE) .	week	870 O
			4-wed	26000
1	60100F LADECO	T ROLLER)	DAY	47000
		· /	week.	140000
			4-week	400000
7	5070 (Sucofin D	Run DIRT Roller)	DAY	300 90
	LABOR		Likesel	9000
	WARRANTY	_	10 H-Week	2700 o
Delive	ZU+ RETUZN TRIMS	) OCTATION &	72/4018	
1	1 TRADEIN A ROUNT	125to3 House	ALLOWANCE	
	INCOMING FACTORY PER T	RIDTO		
		A Faus		
	SALES TAX ( or Name of County)	M exempt, attach certificate.		
<del></del>	FACTORY DIRECT			
	FREIGHT			
	DELIVERY			
PAYMENT TERMS			TOTAL	
	in is good for 30 days from date of Cu	otation above. The terms of	1	l not
Quotatio	ing upon BUPP RENTAL & SALES CO	ORP. until accepted by an offi	cer of the Corporat	lon.
ba blnd	ing sport horr reliting a shares of			
Quotatic be blind APPROVAL	ing aport from the tribe a decay of			
be blind	Buyer	Title		Date
ba blnd		Title		Date ROUTE TO:

Anderson Carried RUPP	QUOTATION	120 Norma modT 7166 [] : 1068 [] : 1068   1088   10	pson Road Shaker Road Murrock: Circle Ikin Street	Buffalo, NY 14216 Rochester, NY 1461 Syracuse, NY 13206 Latham, NY 12110 Watertown, NY 13760 Clean, NY 14750	5 315-463-8673 518-785-4500
Buyer			Tentative Date	Needed	
Name			New Sale	Used Sale	Rental
Address			Credit Established?		
City			Established Insurance?		
State	Ziρ		Phone #		
Job Location			FAX #		
Date	SLSM #		Customer P.O.		
OTY OF PART NO.	DESCRIPTION: Make; M	odel, Serial <b>No.,</b> o	r Other ID	UNIT PRICE	AMOUNT
1	DGEP (LOW GR	OUND HZ	Sole	DW	89000
	Do	ZEP		week	760000
	:			H-Week	75000
/	DOSE DOSEP			DAY	65000
				week	190000
		,, .		4-week	560000
	Way My 30X			MAY	100000
	(APTILIDADO)	SOUND TRI	(X)	reak	3000m
	( ) Corrector	Story Cas	<u> </u>	H-week	9000
7	TENZO OF HO	5 (EXCAU)	18M2	DAU	3€0 ∞
	LABOR	) (FACTO	14100	1,2001	900 00
	WARRANTY			Unanital	270000
7	DLATE COWSA	HOR		DAU	50 00
	TRADE-IN	<u> </u>		ALCONONO	15000
	INCOMING FACTORY	1		4-week	40000
7	PREIGHT DEALER PREP. P1200	12/2ATE	COM Ador	DASA	67000
	SALES TAX	-7/1/13/3	Itlach certificate.	11000	720000
	( or Name of County)  FACTORY DIRECT	ir dadir pe		Literale	120000
	FREIGHT			4-week	42000
	DELIVERY				
PAYMENT TERMS				TOTAL	
	is good for 30 days from date of ig upon RUPP RENTAL & SALES				
APPROVAL	g upon HOPP HENTAL & SALES	COAP. Until acces	Died by an Offic	er of the Corporat	ion.
	Suyer		Title		Date
COMMENTS,	1 10 00		<u> </u>		ROUTE TO:
(TE OK EHZ	- MMY WUCSI	101050	<u></u>		
	ADDITION	MEAS	E FEGI		
	1000	1111			

COPIES: WHITE - Customer Copy

YELLOW - Salesman Copy

PINK - Branch Manager Copy



GEORGE CACABRESE
Originator

#### PHONE CONVERSAVION REGORD

Conversation with:	Date
Name TIM GARRETT	TimeAM/PM
Company RUPP RENTAL	
Address ROCHESTER NY	☑ Originator Placed Call  ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
	☐ Originator Received Call
Phone (716) 254-2125	W.O. NO
Subject QUOTE FOR Equipmen	- / SENECA
, ,	<i>'</i>
Notes: GRADEALL 23 TO	B 530 6000 165 1;A.ns
DAY 250	
428EK 750	
M CNJH 2100	
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3 VRD KOMATSU WA-18	80 is/
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DAY 470 SENT 100	mojorn 7,000
5D 70 INGERSOL RAND	Marit 3000
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V > 15 P 16	· · · · · · · · · · · · · · · · · · ·
KOMOTSU D-65 P 19	
LGP - 890 day	a management of the contract o
D65Ex - 650 day	1900 WEEK 5600 MONTH
☐ File	Follow-Up-Action:
☐ Tickle File//	
☐ Follow-Up By:	
☐ Copy/Route To:	
	$\bigcap$
	Originator's Initials

#### Hertz Equipment Rental

	A	V
Г	A	A

Date: 7-30-98

Number of pages including cover sheet:

To: George Calabrese
Phone: 603/656-5400
Phone: 603/656-5400  Fax phone: 663/656-540/  CC:

From: Rich Hefferman

Equipment Rental

Hertz Equipment Rental Corporation 4578 Buckley Rd. Liverpool, NY 13088 Telephone: (315) 622-4939 Fax: (315) 622-4174

Please comment

REMARKS: Urgent For your review Reply ASAP

George

I will call you next week.

P.2/2

Hertz Equipment Rental 4578 Buckley Rd. Syracuse, NY 13088

Phone # (315) 622-4939 Fax# (315) 622-4174

Salesperson: Rich Heffernan

#### Price Quotation

Company Name	Roy F. Weston Inc.	Jeb Sitz Name	Seneca Army Depot
Billing Address	One Weston Way	Job Address	
City, State, Zip Code	West Chester, PA 19380-1469	City, State, Zip Code	New York
Contact	George Calabrese	Date Required	2nd Week of August

				Rates	
No. of Units	Equipment Required	Term	Day	Week	Month
 	John Deere 690 Excavator	3 Months			\$4,350
	John Deere 644 Loader	"			\$3,800
1	Ingersoil-Rand 10 Ton Roller	19			\$4,310
1	I-R 10 Ton Roller - Sheepsfoot	п	<u> </u>		\$4,310
	John Deere 750	, п			\$5,100
1	Walk-Behind Compactor	79			\$800
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<u></u>	<u> </u>		!	1	

Delivery Information:		<u> </u>
\$50 per loaded truck.		



	7	DL	Document	Ilmit Coot	115.00
Company	LUCATION	1 110112	Describition	CILIT CUST	CHIL
Syracuse Supply	Syracuse N.Y.	315-476-9981	Caterpillar D-3 Dozer	\$2,075.00	Month
Dave White			Shipping	\$75.00	Hour
			Caterpillar D-8 Dozer	\$12,500.00	Month
			Shipping	\$85.00	Hour
			D250 Caterpillar Truck 6 wheel	\$8,250.00	Month
			Shipping	\$75.00	Hour
			D25D 4 x 4 Caterpillar Truck	\$7,800.00	Month
			Shipping	\$75.00	Hour
			Forklift 6000# Caterpillar	\$2,000.00	Month
			Shipping	\$75.00	Hour
			M318 Caterpillar rubber tired excavator	\$5,800.00	Month
			Shipping	\$75.00	Hour
Travel time is approximately 2 hours to site from supplier	ly 2 hours to site from	supplier			

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ITEM			SOS	COST/UNIT(C)	AMC	AMOUNT NEEDED(A)	(A)	PROJECTED
DESCRIPTION	CODE	SIZE	Unit	Unit Rate	Personel	Units/day	Qty(days)	COST (C*A)
PPE								
TYVEK,W/HOOD XLARGE	REGTYK10	XL	Ea	4.11	4	4	120	\$7,709.70
TYVEK,W/HOOD XXLARGE	REGTYK20	XXL	Ea	4.41	g	4	120	\$12,408.68
TYVEK,W/HOOD XXXXLARGE	REGTYK40	4X	Ea	4.96	4	4	120	\$9,304.17
BOOTIES, LATEX DISP XL	BOOTCV09	×L	Ea	2.39	14	4	120	\$15,691.40
GLASSES, SAFETY	SAFEGLAS	Ϋ́	Ea	3.25	20	2	# Pro-1	\$127.01
HARDHAT, MSA WIRATCH	HARDHAT3	A A	Ea	8.84	20	1		\$172.73
GLOVES, NITRILE UNLINED	GLOVE077	=	DOZ	14.68	1		17	\$243.82
GLOVES, SURGICAL NITRI	GLOVE102	×	100	11.83	\$ made		17	\$196.48
GLOVES, LEATHER INDUS	GLOVE050	×	Pair	1.34		1	448	\$586.51
RAIN SUIT XXL	RAINST50	XX	Ea	10.6	20	1		\$207.12
COVERALLS, INSULATED	INSCOVR4	XXL	Ea	78.04	20	-		\$1,524.90
TAPE, DUCT	DUCT0010	¥	Roll	3.76	14	-	240	\$881.64
EARPLUGS, MOLDED EA	EARPLUGS	¥	Ea	0.13	14	-	1680	\$213.38
SCBA MANIFOLD & BELL	DIRECT20	Ϋ́	Ea	20	Rental/Day	-	14	\$218.40
SCBA DIRECT AIRLINE HO	AIRLINE1	NA	Ea	2	Rental/Day	10	14	\$218.40
SCBA PIGTAIL & TEE CON	PIGTALE1	AA	Ea	3	Rental/Day	3	14	\$98.28
SCBA HIP AIR	SCBA0020	SML	Еа	25	Rental/Day	2	14	\$546.00
LENS COVER	MS480326	AA	Pk	64.61	-		2	\$126.25
NOSE CUP	NOSECUP(SML)	SML	Ea	30.23	***	***	4	\$118.14
APR	APRMSA(6R)	ML	Ea	153.01	-	***	2	\$298.98
GATORADE	DRINK013	NA	1 gal	10.61	1	-	20	\$207.32
SLUSH BOOTS	BOOTSL(10-90)	SIZE	Ea	11.87	***		20	\$231.94
GOGGLES	GOGGLES1	NA	Ea	4.1	awa.	•••	4	\$16.02
FACE SHIELDS	FACESH20	NA	Ea	4.33	-		10	\$42.30
FACE SHIELDS FRAME	HEADGR30	AA	Ea	11.44	-		4	\$44.71
FIELD EQUIPMENT								
EYE WASH STA, PORT	EYESTA1R	AA	Ea	2	Rental/Day	1	240	\$374.40
EYE WASH SOLUTION	EYEWASH1	NA	Ea	5.59	1		8	\$43.69
RAZOR KNIFE	4A803	NA	Ea	4	a de la constante de la consta	*	8	\$32.00

Seneca Army Depot Activity Romulus, New York Mobilization Costs

~ ~<u>.</u>

ITEM			COS	COST/UNIT(C)	AMC	AMOUNT NEEDED(A)	(A)	PROJECTED
DESCRIPTION	CODE	SIZE	Unit	Unit Rate	Personel	Units/day	Qty(days)	COST (C*A)
GARBAGE BAGS	3U764	¥	100	10.49			2	\$20.98
CONSTRUCTION SIGNS	GRAINGER	¥	Ea	10.79	***		32	\$337.34
CAUTION TAPE	HAZTP020	Ϋ́	Roll	10.4	-		10	\$101.61
DANGER TAPE	HAZTP030	¥	Roll	10.4			2	\$20.32
FIRST AID KIT	MEDKIT1P	₹	Ea	282.1		****	2	\$551.22
FIRE EXTINGUISHER, DRY	FIREXT1P	Ϋ́	Ea	85.15		***	10	\$831.92
POLY (20x100)	VISQUEEN	20M	Roll	58.5			10	\$571.55
LUMBER 2x4 & 4x4		ΝA						
	3ZC46		Ea	29.95			2	\$59.90
CONSTRUCTION FENCE	51587		100' Roll	71.25			10	\$712.50
BUCKET PLASTIC 5 GAL	POLYPALE		Ea	4.93	***	-	20	\$96.33
TRIPOD	TRIPOD30		Ea	1	Rental/Day	1	14	\$10.92
HARNESS, FULL BODY	BODHARN3	Į,	Еа	117.26	****		2	\$229.13
TRAFFIC CONES	CONES10(PorR)		Ea	12.35		9 6 8	20	\$241.32
CABLE TIES	TIES0010	ı	PK	2.7	****	***	12	\$31.65
	LOGBOOK1	ΑN	Ea	7.09	9	2	12	\$83.12
WOODEN STAKES	WOODST10		Ea	0.46		1	384	\$172.58
MARK TAPE	FLATAP10	ΝA	Roll	1.59			5	\$7.77
PAPER TOWELS	PAERTL1	AA	Ea	1.05	***	-	09	\$51.29
ROPE	ROPE30R	ΑN	,009	88.92			1	\$86.87
GAS CANS	LS YB-18527	5GA	Ea	58.7	4404		4	\$234.80
FLAM STORAGE CABINET	LS YB-	¥	Ea	530	-		1	\$530.00
SAMPLING EQUIP								
ICE PACKS	ICEPAK10	A	Ea	1.07	-	****	24	\$25.09
VERMICULITE	VERMIC10	NA	Pk	10.33	****	-	12	\$121.11
ZIPLOC(9X12-12X15))	ZIPLOC(30-50)	SIZE	Еа	0.2	****	-	1000	\$195.40
CUSTODY SEALS	CUSTODY1	Ν		41.99			1	\$41.02
DECON EQUIP								
SQUIRT BOTTLES	WASHBOTL	1000ml	Ea	2.72	-	3	9	\$15.94
DECON SOLUTION ACETONE	ACETON1G	4L	4L	44.03	-	800	4	\$172.07
DECON SOLUTION HEXANE	HEXANE1G	4F	4L	41.43	1		4	\$161.91
DECON SOLUTION METHANOL	METHO10G	4F	4L	37.7	-	1	4	\$147.33
DECON SOLUTION DI WATER	DIWAT10G	4F	4L	16.9	•		8	\$132.09
DECON MIX, LIQUINOX	LIQNOX10	320z	320z	96.9	***	1	2	\$13.60
BLACK TUBS	PLSTTUB1	MA	Ea	15.6	***	1	8	\$121.93



PROJECTED	COST (C*A)		\$1,497.60	\$1,404.00	\$3,135.60	\$1,872.00	\$8,780.00	\$3,640.00		\$58.11	\$29.09	\$5.16	\$42.95		\$546.00	\$8.10	-	\$6.00	\$8.99	\$10.92	\$9.63	\$44.79	\$499.75	\$211.25		\$311.60	\$86.95	\$186.61	\$81.29	\$60.00	\$27.00
(A)	Qty(days)		120	120	120	120	4	4		1	1	1	1		14	2	2	2	2	2	2	1	5	-		2	20	10	4	4	1
AMOUNT NEEDED(A)	Units/day		2	1	1	1	1	1		****	1				2	1	***	1		1			•••	-		-		1		-	
AMO	Personel		Rental/Day	Rental/Day	Rental/Day	Rental/Day	Rental/Month	Rental/Month					-		Rental/Day	1	1	••••	-		ı	-				1	-	•	1	1	1
COST/UNIT(C)	Unit Rate		80	15	33.5	20	2195	910		59.48	29.77	5.28	42.95		25	4.05		3	4.6	5.59	4.93	44.79	99.95	211.25		155.8	1.78	19.1	20.8	15	27
cos	Unit		Ea	Ea	Ea	Ea	Ea	Ea		Box 10	Еä	Pk 10	Ea		Ea	Ea	Ea	Ea	Ea	Ea	Ea	Ea	Ea	Ea		Ea	Ea	Ea	Ea	Bag	Ea
	SIZE		Α̈́	¥	ΑN	ΑĀ	Ϋ́	NA		Α̈́	¥	Ϋ́	ΑĀ		ML	NA	NA	7	Ϋ́	ΑN	5GA	Ϋ́	5GA	NA		65G	NA	ΑN	_	ΑN	ΑN
	CODE		SKCPUMPS	BILSCAL1	OVM00010	CG100010	HAZCO	HAZCO		SMOKTB10	SMOKTB20	FITTST20	LS YB-20898		SCBA0010	LS-YB14328		GRAINGER	BRUSH020	EYEWASH1	POLYPALE	LS-YB14749	4WW99	LS-YB25225		LS-YB25727	SORBNTPD	SORBOOMS	SHOVEL 10	HAMILTON	3U449&3U450
ITEM	DESCRIPTION	AIR MONITORING	PERSONAL AIR SAMP PUMP	CALIBRATOR	OVM PHOTO-IONIZER	COMBUSTIBLE GAS IND	DRAM	PDR	EIT TEST EQUIP	SMOKE TUBE	SMOKE APPRTS	BANANA	ДООН	EMERGENCY RESPONSE	SCBA, MSA ULTRALITE	MED. TRAUMA SCISSORS	SEAT BELT CUTTER	SPONGES	SHORT HANDLE BRUSHES	EYE WASH SOLUTION	BUCKET PLASTIC 5 GAL	CARRY BAG	3 GAL SPRAYER	BACKBOARD	SPILL CONTROL	OVERPACKS	SPILL PADS	ABSORBENT BOOM	SHOVELS	ABSORBENT MATERIAL	SQUEEGEES

3,980.00	84.558.40
\$3	\$84
FAL	
SHIPPING AND HANDLING TOTAL	
HAND	TOTAL COST
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SHIPP	

200000	Subconfractors			
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ntact Name	Doug Myers	Mr. Popli	John Thompson/Stephanie Millard	Earle Newman
mpany		Popli Consulting Engineers	Joanne Darcy Crum, L.S.	URS Greiner, Inc
Iress	Arcade, NY	and Surveyors	45 West Main St.	282 Delaware Ave.
	The control of the co	555 Penbrooke Drive	Cobleskill, NY 12043	Buffalo, NY 14202
		Penfield, NY 14526	And the state of t	(800) 8509230
		(716) 388-2070	(518) 234-7405	(716) 856-2545
phone	(716) 492-4179	(716) 388-2060	(518) 234-4650	(716) 856-5636
ıntal		1		3
ntact Name	Tim Garrett	Rich Hefferman	Brian/Dave White	
mpany	Rupp Rental and	Hertz	Syracuse Supply Co.	
Iress	Sales	4578 Buckley Rd		American deliminate de
	Rochester, NY	Liverpool, NY	Rochester, NY	
phone	(716) 254-2125	(315) 622-4939	(716) 475-1330/(315)476-9981	AND THE REAL PROPERTY AND THE PROPERTY A
	endere de la companya	(315) 622-4174		: : : : : : : : : : : : : : : : : : : :
		1	NO BID 3	3
ntact Name	Joe Cutri	Thomas Cleere	Jeff Montemorano	Dave Spilina
mpany	B.R. DeWitt, Inc	Seneca Stone Corp.	Montemorano	Elam Sand and Gravel
dress	6895 Ellicott St.	Box 78		
	Pavillion, NY 14525	Fayette, NY 13065	Clyde, NY	Geneva, NY
die e		S CIS ON		7
ntact Name	Rich Ricelli	Tracy	Charlie Wimmer	and the same of th
mpany	Ricelli Trucking	Palone Excavating	C.D. Wimmer Paving, Inc.	
dress	PO Box 5418/5991 Drott Dr.		146 York Street	
	Syracuse, NY 13217		Auburn, New York 13021	

5:07 PA

	Subcontractors			
		-	NO NO	NO BID 3
tact Name	Joe Cutri	Thomas Cleere	Jeff Montemorano	Dave Spilina
pany	B.R. DeWitt, Inc	Seneca Stone Corp.	Montemorano	Elam Sand and Gravel
ess	6895 Ellicott St.	Box 78		
	Pavillion, NY 14525	Fayette, NY 13065	Clyde, NY	Geneva, NY
phone	(716) 584-3132	(315) 549-8253	(315) 923-7756	(315) 789-4756/(716) 737-40
	(716) 584-8743	(315) 549-7156	Same after 4pm	(716) 657-6575
Marked any speciments have seen that affiles		2	NO BID 6	7
tact Name	Rich Ricelli	Tracy	Charlie Wimmer	
pany	Ricelli Trucking	Palone Excavating	C.D. Wimmer Paving, Inc.	
ress	PO Box 5418/5991 Drott Dr.		146 York Street	
management of the second of th	Syracuse, NY 13217	The second as the second secon	Auburn, New York 13021	
phone	(716) 330-2045 (cell)/538-6550	(315) 789-7293	(315) 252-5014	
	(716) 538-6737	(315) 789-7293	(315) 252-2045	
		1	2	3
tact Name	Jeff Hansen	Bill Kirk	Charlie Barbay	Laurie Harter Vice President
pany	Keuka Lawn and Lndscp	Kirksway Farm, Inc.		Watson Landscaping
ress	4550 Pre-Emption Rd.	400 Auburn Rd	Seneca Falls	2772 Rt 11; PO Box 559
	Geneva, NY 14456	Lansing, New York	AND THE RESIDENCE OF THE PROPERTY OF THE PROPE	LaFayette, NY 13084-0559
The same of the sa	(315) 781-7056	(607) 533-7633	(315) 568-8397	entreint facients entrein and mergin offe our deaths or over sprintesisky princips o
phone	(315) 781-6800	(607) 533-7866	(315) 568-5525	(800) 564-3895
		5		
tact Name	Nick/Bob			
pany	Pro-Lawn Landscaping			
ress	Ithaca, New York			
	(607)272-7569		The state of the s	
onone	9670-177(109)			

## Seneca Army Depot Open Burning Grounds Subcontractor Summary

	Subcontractors			
e Tanks		1		
ntact Name			e e e e e e e e e e e e e e e e e e e	
mpany	ModuTank Inc.			
dress	41-04 35th Ave			
	Long Island, NY 11101		•	
ephone	(800)245-6964 f:718 786-1008			
ntact Name				
mpany	ModuTank Inc.			
dress	41-04 35th Ave			
	Long Island, NY 11101			
ephone	(800)245-6964 f:718 786-1008			
		1	2	3
intact Name	Andrew Clifton	John A. Martin/James C. Kinch	Gail DeRuzzo	Jim Madison
mpany	Ecology and Environment, Inc.	Toxikon	RECRA LabNet	Intertek Testing Services
dress	4493 Walden Avenue	15 Wiggins Avenue	208 Welsh Pool Road	55 South Park Drive
manufacturer of them 4 mm is now manufacturer of the state of the stat	Lancaster, NY 14086	Bedford, MA 01730	Lionville, PA 19341-1313	Colchester, Vermont 0544
ephone	(716) 685-8080	(781) 275-3330	(610) 280-3000	(802) 655-1203
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	(716) 685-0852		(610) 280-3039	(802) 655-1248
n and Disposal		1	2	3
ontact Name	Rich Ricelli	Rocky LaRocca	Jeff Pierce	Sue Rossi
mpany	Ricelli Trucking	Seneca Meadows, Inc.	Appleton Disposal	Waste Management High
dress	PO Box 5418/5991 Drott Dr.	1786 Saloman Road	54 Doran Avenue	425 Perinton Pkwy
	Syracuse, NY 13217	Waterloo, NY 13165	Geneva, NY 14456	Fairpoint, NY 14450
ephone	(716) 330-2045 (cell)/538-6550	(315) 539-5624	(315) 789-6785	(716) 223-6132×103
×	(716) 538-6737	(315) 539-3097	(315) 789-0038	(716) 223-6898
		5		
ontact Name	Nicholas V. Morreale			
ompany	BFI Waste Systems			
dress	2321 Kenmore Avenue, Box 571			
	Kenmore, NY 14217			
ephone	(716) 614-3391	and appropriate to the contraction of the contracti		
×	(716) 614-3387			

## Seneca Army Depot Open Burning Grounds Subcontractor Summary

	Subcontractors			
		1	2	3
ntact Name	Sue Rossi	Rocky LaRocca	Kevin Spillane/Bob Hutteman	Nicholas V. Morreale
npany	High Acres Landfill	Seneca Meadows, Inc.	Ontario County Landfill	BFI Waste Systems
ress	425 Perinton Pkwy	1786 Saloman Road	Ontario County Landfill	2321 Kenmore Avenue, Box
The second secon	Fairpoint, NY 14450	Waterloo, NY 13165	des une dem n m. nexus in company dem n	Kenmore, NY 14217
phone	(716) 223-6132x103	(315) 539-5624	(716) 396-4482	(716) 614-3391
	(716) 223-6898	(315) 539-3097	Andrew William Communication of the communication o	(716) 614-3387
-		1	2	3
ntact Name	Mark Lyons	Jim Hyzy	Roger Maag	Bill Diddono
трапу	WWheelabrator	Sevanson	Marcor Remediation	OHM Remediaiton Service
Iress	4 Liberty Lane West	9245 Calumet Avenue	3 D Gill Street	200 Horizon Center Blvd
	Hampton, NH 03842	Munster, IN 46321	Woburn, MA 01801-1720	Trenton, NJ 08691-1904
phone	(603)228-0525	(219) 836-0116	(781) 933-9695	(609) 588-6369
emen toeto	Mike Delice	9		
	HI woonloa			
ilpairy		de april et m etjone deletikeskommenterskammenterskommen de ann		
Iress	250 West Nyack Road	the state of the statement of the statem	and the second s	
	West Nyack, NY 10994			The second secon
phone	(914) 623-2333			
sils			2	3
ntact Name	Michel Warner	Jeff Thew	Judy Baye	William Morrow
mpany	Maxim Technologies	North Star Drilling	American Auger	Parratt-Wolff, Inc.
dress	2415 N. Triphammer Road	PO Box 67	453 Rt 23	Box 56, 5879 Fisher Road
	Ithaca, NY 14850	Cortland, NY 13045	Constantia, NY 13044	East Syracuse, NY 13057
phone	(607) 266-0147	(607) 756-8820	(315) 623-7496	(315) 437-1429
	(607) 266-6409	(607) 753-9911	(315) 623-7189	(315) 437-1770

#### **SCOPE OF WORK**

#### ATTACHMENT 1

#### SCOPE OF WORK

### LAND SURVEYING SERVICES SENECA ARMY DEPOT ACTIVITY OPEN BURNING GROUNDS REMEDIAL ACTION

#### 1. BACKGROUND

Roy F. Weston, Inc. (WESTON®) is issuing Requests For Proposals (RFP) for furnishing land surveying services at the Seneca Army Depot Activity (SEDA) Open Burning (OB) Grounds Superfund Site in Romulus, NY for the U.S. Army Corps of Engineers, New England District (CENAE). This RFP must be received by WESTON® no later than 3:00 p.m. (EDT), Thursday, 10 September 1998.

The OB Grounds site occupies approximately 30 acres within the 10,587 acres of land that comprise SEDA in Romulus, New York. The facility is bounded by State Route 96A to the west and State Route 96 to the east. Four Cities surround Seneca Army Depot activity: Geneva and Rochester to the northwest. Syracuse to the northeast, and Ithaca to the south. The depot is located between Seneca and Cayuga Finger Lakes. SEDA is located on an uplands area, at an elevation of approximately 600 feet above Mean Sea Level (MSL). This upland area forms an elongated divide separating these two Finger Lakes. Sparsely populated farmland covers most of the surrounding area. The OB Grounds site is located on gently sloping terrain in the northwest corner of SEDA. The OB Grounds is bounded on the east by Reeder Creek, which is a perennial creek that is generally less than 1 foot deep and eventually flows into Seneca Lake. Seneca Lake is located approximately 10,000 feet west of the site and is used as a source of drinking water for SEDA and surrounding communities. A site plan of the OB Grounds is provided in Figure 1.

The site was formerly included on the Federal Facilities National Priorities List on 13 July 1989. All work performed under this contract is to be performed in accordance with to the Comprehensive Environmental Response Compensation and Liabilities Act (CERCLA).

#### 2. SCOPE OF SERVICES

The existing benchmarks at the OB grounds are shown on figure 23. All surveying shall be done under the supervision of a New York licensed and registered surveyor. Proof of current certification shall be submitted along with the bid. All surveying work shall be in accordance with the attached drawings/figures and applicable subsections of the attached Specification Section Number 3 and Appendix H. Tasks that require surveying include the following;

- Lavout of excavations
- Layout of areas with new 12 inch soil cover including documentation of any DOD UXO clearance criteria
- Layout of sediment removal areas
- Reeder Creek cross section prior to and after sediment removal
- Layout of new wetland area
- Monitoring well locations and casing elevations
- New survey monuments if required

The surveying Subcontractor shall provide all labor, equipment, materials, and other incidental items required for the following seven phases of work (Phase I –Bid Item 1, Phase II – Bid Item 2, etc.):

#### Phase I

- Initial mobilization to the site to locate and tie-in existing bench marks and control points
- Installation of control points (stakes) at every 100' grid interval within the limits defined by "Edge of Soil Cover" as shown in Figures 26 and 27 (Revision B) and specified in Subsection 3.6
- Layout the "Initial" limits of the 30 acre soil cover perimeter as shown in Figures 26 and 27 (Revision B) and specified in Subsection 3.6

#### Phase VI

Install new permanent survey monuments if required (refer to Appendix H. Section 4.1). Existing monuments are identified on Figure 14 as follows: SEAD 4 (Elev. 629.37), SEAD 5 (Elev. 617.10), and SEAD 6 (Elev. 636.40). Horizontal and vertical coordinates of these new monuments and descriptions of their locations shall be provided on the as-built drawing. NOTE: Any manual labor involved in this phase of work, such as hand digging and backfilling, shall require Davis-Bacon wage rates. A copy of the prevailing wage rates is attached.

#### Phase VII

Prepare and submit as-built drawings identifying the extent of excavations, sample locations (WESTON to provide sample location data from surveyed control points), Reeder Creek cross-sections (existing vs. actual grade), new monitoring wells (locations and grade), new survey monuments (location and grade), contours (every 2'), actual limits of soil cover, drainage swale contours, and new wetland area location, contours and other drawings as specified in Subsection 3.2.1.7 (Project Drawings). All final drawings shall be in accordance with Subsection 3.2.5 (Document Format).

Survey Subcontractor shall be required to mobilize to the site throughout the course of the project as necessary to complete required survey work as the remediation work progresses. At a minimum, the Survey Subcontractor shall anticipate mobilization to the site at the following times and activities:

- Initial mobilization to tie-in and establish control.
- Stake out of initial excavation and soil cover limits.
- Survey Reeder Creek cross-sections before and after excavation.
- Surveying required as the work progresses on a weekly basis, including surveying individual excavation limits (top and bottom at corners), etc..
- Grade stake layout for rough and final grading of 30-acre area, including new wetlands area.
- As-built survey, survey of monitoring wells, and installation of monuments.

#### Accuracy

Locations shall be surveyed to plus or minus one tenth-foot accuracy, relative to the New York state plane coordinate system using existing benchmarks in the vicinity of the site, as shown on the attached figures. Elevations shall be determined to plus or minus 0.01 foot accuracy relative to the 1929 NGVD.

#### Report of Results

Surveying subcontractor shall submit along with as-built drawings a report of results. A table of the survey data generated shall be included in the final report and shall include a listing of X,Y,Z coordinates for Phases I-VII for each survey point and relevant reference points in hard copy and electronic form. The electronic version of the drawing(s) must be in AutoCad Release 14. The as-built drawings will be at a scale of 1 inch equals 100 feet. The Reeder Creek drawings shall be provided at a scale of 1" = 2". A copy of all field notes and calculations generated shall also be provided. A daily report shall be provided to WESTON at the close of business each day which details the following: Company name, name of surveyors onsite, duties, arrival and departing time, work performed by the time period (stations, control points, excavations, perimeter limits, creek locations, etc.), weather and conversations.

#### **Health and Safety**

For the purpose of this solicitation, assume the work will be completed in Personal Protective Equipment (PPE) Level D. WESTON shall provide to the subcontractor a copy of WESTON's Site Safety and Health Plan (SSHP) and Site Specific Health and Safety Plan (SSHASP), to be read and signed by all subcontractor personnel prior to any work performed on-site. The original signed copy of the SSHP and SSHASP will remain in the custody of WESTON's field personnel, and will remain on-site during all phases of work. All on-site workers shall have 40-hour OSHA training for hazardous waste site workers and required annual 8-hour refresher training (29 CFR 1910). The subcontractor will be responsible for providing documentation of appropriate health and safety training and medical monitoring under OSHA (29 CFR 1910.120) for all on-site employees. The Subcontractor will be expected to sign and abide by the provisions presented in WESTON's SSHP and SSHASP. The Subcontractor will be required to provide Level D PPE for the survey crew (hard hat, steel toe boots, and safety glasses). WESTON shall provide additional PPE (booties, gloves, and tyvek) if required. The subcontractor shall provide a daily

supply of drinking water as necessary. Equipment will be required to be decontaminated prior to removal from the exclusion zone. Decontamination methods for tools and sensitive equipment will be performed via hand rinsing with detergent and wiping. WESTON shall provide decontamination equipment. Subcontractors shall decontaminate their own equipment. WESTON shall perform a brief Health and Safety meeting prior to the start of work each working day at 0700 hour. Attendance is mandatory unless surveying is not required during that day.

#### Down Time

WESTON shall not incur standby costs for delays resulting from the Surveyor's need to bring additional materials or equipment onto the facility to complete the SOW after the initial mobilization or for delays resulting from requirements for Subcontractor to comply with SEDA Security procedures (see below).

#### **SEDA Security Procedures**

Subcontractor shall be required to comply with all SEDA requirements, including, but not limited to access control, site security, and work permit requirements. The Subcontractor shall follow the requirements of SEDA as described in Section 3.3 of Specifications titled "Site Control and Security Requirements".

#### 3. SCHEDULE

The Land Surveying Contractor shall perform the work specified between October 1998 and January 1999 or as dictated by actual fieldwork. The subcontractor will assume an <u>8-hour onsite</u> workday Monday through Friday (0700 – 1530 hour). The projected dates below are provided for information only as early start/late finish activity dates. Surveying activities will be performed within these time periods.

#### Period of performance (Project Schedule):

Phase i October 1998

Phase II October 1998 – May 1999

Phase III October 1998 – June 1999

Phase IV October 1998 – May 1999

Phase V November 1998 – June 1999

Phase VI October 1998

Phase VII July 1998

NOTE: No work shall be performed following contract award for phases III or VIII unless WESTON gives prior approval.

#### **ATTACHMENT II**

#### **BID FORM**

## LAND SURVEYING SERVICES SENECA ARMY DEPOT ACTIVITY OPEN BURNING GROUNDS REMEDIAL ACTION

	Initial mobilization to site to locate and tie-in existing controls etc. as per Phase I Scope of Services	L.S.		
	and tie-in existing controls etc. as per	L.S.		
		L.S.		
			1	\$
	Layout wetland and excavation areas, and perform post excavation surveying as per Phase II Scope of Services	L.S.	1	s
'	Locate new and existing Monitoring Wells as per Phase III Scope of Services	L.S.	I	\$
	Reeder Creek Survey as per Phase IV Scope of Services	L.S.	I	\$
1	Stakeout for rough grading and final grading of 30-acre soil as per Phase V Scope of Services	L.S.	1	S
	Install new monuments as per Phase VI Scope of Services	EA	1	\$ \$
	Prepare and submit as-built drawings as per Phase VII Scope of Services	L.S.	1	_s
8. I	Daily cost for additional survey work	DAY	20	\$ \$
	TOAL FIXED PRICE QUOTAT	ION		\$

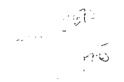
<sup>\*</sup> Assume 2 person crew

Note: Davis Bacon Wage rates do not apply for Land Surveyors on account of Land Surveyors not being considered Hazardous Waste Laborers. See Phase VI note for exceptions.

Firm:	
Name:	_
Title:	
Address:	_
Phone:	
Date:	<del></del>
ADDENDUM NO.	DATE RECEIVED

#### SUBCONTRACTOR'S/VENDOR'S BID PROPOSALS





#### 555 PENBROOKE DRIVE PENFIELD, NEW YORK 14526 TEL (716) 388-2060 FAX (716) 388-2070

September 9, 1998

Mr. Dominic A. Mattioni Roy F. Weston, Inc. One Wall Street Manchester, New Hampshire 03101-1501

Re: Corps of Engineers, North Atlantic Division, New England District Hazardous, Toxic, Radioactive Waste (HTRW) Program Seneca Army Depot Area Romulus, New York Surveying Services Proposal

Dear Mr. Mattioni:

In response to your Request for Proposal dated September 2, 1998, enclosed please find the following:

- Attachment II. Bid Form
- Assumptions and Exceptions
- Certificate of Minority Business Enterprise
- Proof of License to Perform Surveying Services

If you have any questions, or need further information, please do not hesitate to call.

Sincerely,

Enclosures

cc: File

## ATTACHMENT II PRICE PROPOSAL FORM

#### ATTACHMENT II

#### **BID FORM**

## LAND SURVEYING SERVICES SENECA ARMY DEPOT ACTIVITY OPEN BURNING GROUNDS REMEDIAL ACTION

ITEM	DESCRIPTION	UNIT	NO. UNITS	UNIT PRICE	SUBTOTAL
1.	Initial mobilization to site to locate and tie-in existing controls etc. as per Phase I Scope of Services				
		L.S.	1	\$10,700.00	s 10,700.00
2.	Layout wetland and excavation areas. and perform post excavation surveying as per Phase II Scope of Services	L.S.	1	8,750.00	\$ 8,750.00
3.	Locate new and existing Monitoring Wells as per Phase III Scope of Services	L.S.	1	3,690.00	\$ 3,690.00
4.	Reeder Creek Survey as per Phase IV Scope of Services	L.S.	l	8,780.00	\$ 8,780.00
5.	Stakeout for rough grading and final grading of 30-acre soil as per Phase V Scope of Services	L.S.	1	7,225.00	\$ 7,225.00
6.	Install new monuments as per Phase VI Scope of Services	EA	1	\$_1,180.00	<u>\$ 1,180.00</u>
7.	Prepare and submit as-built drawings as per Phase VII Scope of Services	L.S.	1	8,150.00	\$ 8,150.00
8.	Daily cost for additional survey work *	DAY	20	s 615.00	\$ 12,300.00
	\$ 60,775.00				

<sup>\*</sup> Assume 2 person crew

Note: Davis Bacon Wage rates do not apply for Land Surveyors on account of Land Surveyors not being considered Hazardous Waste Laborers. See Phase VI note for exceptions.

Firm: Cm P. Popli, P.E., L.S.	, P.C.		
Name: Om P. Popli, P.E., L.S.			
Title: President			
Address: 555 Penbrooke Drive, H	Penfield, NY 14526-2035		
Phone: 716-388-2060			
Date: September 9, 1998	-		
ADDENDUM NO.	DATE RECEIVED		

#### Land Surveying Services Seneca Army Depot Activity Open Burning Grounds Remedial Action

#### **Assumptions:**

- Existing project controls (both horizontal and vertical, as shown on Figure 23) are recoverable, in good condition, and without any discrepancies.
- NYSDOL prevailing wage rates do not apply, except for part of services for Item 6.
- Daily cost for Item 8 is based upon eight (8) hours/day without overtime. Start and end time will be from Rochester.
- Restake-out of previously laid out survey work and disturbed during construction activities will be charged under Item 8, "Daily Cost for Additional Survey Work".
- Project site is considered Level D, requiring no special respirators, etc.
- Surveyor will follow Project Health and Safety Plan, and will not be required to prepare and submit separate Health and Safety Plan.
- Access to the site is available with no waiting time and time loss.
- All the permits, etc. will be procured by Roy F. Weston, Inc.
- Survey crew will commute daily from Rochester office.
- Payment for the services rendered will be paid as each Item of work is 100% completed. Partial payment may be requested at this office's discretion.
- Proposal is based upon ALL or NORTHING assumption; that is, all Items (1 through 7) will be
  performed in their entirety. Prices will be re-negotiated if there is a change in the Scope of
  Services or certain Item/Items are deleted from the Scope of Services.
- Contractor shall protect survey control points established by surveyor.

#### Empire State Development

Michelle Marquez-Melecia
Vice President
Affirmative Action, Compliance and Certification

July 23, 1997

RECEIVED OM P. POPLI, P.E., P.C.

JUL 2 8 1997

SURVEY\_\_\_\_

OM POPLI OM P POPLI PE 555 PENBROOKE DRIVE PENFIELD, NY 14526

Dear OM POPLI:

This letter is sent to confirm your continued certification as a MBE -Owned Business Enterprise.

Be advised that your certification remains in effect until such time as you are contacted by this Office for recertification.

Please keep in mind that any changes which affect ownership, managerial, and/or operational control, (i.e. company name, business address, telephone numbers, principal products/services and bonding capacity, etc) must be reported to this Office within 30 days of the occurrence of such changes. Failure to submit any changes could result in your firm's certification status being revoked and the name of your firm removed from the Directory.

If your certification status is questioned by any public or private entity, you may direct the inquiry to this Office for further clarification. Should you have any questions regarding this matter, you may contact me at (518) 473-0582.

We wish you continued success in your future endeavors.

Sincerely,

Michelle Marquez-Melecio

Michelle Marques neekin

File # 3783

# The University of the State of New York

RUCTIONS

REVERSE

255369

THIS IS TO CERTIFY THAT QUALIFICATIONS FOR PROFESSIONAL PRACTICE IN NEW YORK STATE HAVING BEEN APPROVED

THE STATE EDUCATION DEPARTMENT

HAS REGISTERED

1903595

POPLI OM P 25 BRIGSBORO LANE FAIRPORT

14450-3805 ×

READ INSTRUCTIONS

ON REVERSE SIDE

FOR PRACTICE IN NEW YORK STATE AS A (N)

10/31/94 RECISTRATION PERIOD/ENDS

LAND SURVEYOR

049325-1 dcense/certificate NO.

COMMISSIONER OF EDUCATION

SIGNATURE OF REGISTRANT

REGISTRATION CERTIFICATE ... NOT A LICENSE

CUI OFF THIS STRIP

1 OFF

## THE UNIVERSITY OF THE STATE OF NEW YORK EDUCATION DEPARTMENT



BE IT KNOWN THAT

# MICHAEL ANTHONY VENTURO

AVING GIVEN SATISFACTORY EVIDENCE OF THE COMPLETION OF PROFESSIONAL AND OTHER REQUIREMENTS PRESCRIBED BY LAW IS QUALIFIED TO PRACTICE

## LAND SURVEYING

IN THE STATE OF NEW YORK

IN WITNESS WHEREOF THE EDUCATION DEPARTMENT GRANTS THIS LICENSE UNDER ITS SEAL AT ALBANY, NEW YORK THIS SEVENTH DAY OF MARCH, 1994.

LICENSE NUMBER 050079



PRESIDENT OF THE UNIVERSITY
AND COMMISSIONER OF EDUCATION
TO COMMISSIONER OF EDUCATION

EXECUTIVE SECRETARY
STATE BOARD FOR
ENGINEERING AND LAND SURVEYING

## 

## TELEPHONE QUOTES SURVEYNIC BID SUMMARY (ORIG.7/20/98)

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7. Continuation of vendor furnished supplies/se	7. Conthueto		with qualified source.	9. Blankst purchase agreement with qualified source			7. Standard catalog hem.		piles/services.	ap)
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				14,000.00		4,525.00	AS-BUILT DWGS (PHOIL)	45-8UIL	L.S.	
				2,400.00	٥	\$50.00	MONIMARITS (PHY)	PHILIPA	1.5.	
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				14,000.00	0	6,650.00	reeder creek(hin)	REEDE	1.5.	
				24,000.00	C	9,225.00	ADDTL SURVEY (PHILL)	ADDTL:	DAYS	
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tech substantiation W 04-05-001/F-4/89

Prepared by:

Muni

Jum

Date:

36/21/6

## **SCOPE OF WORK**

## ATTACHMENT 1

## REQUEST FOR QUOTE

## LAND SURVEYING SERVICES SENECA ARMY DEPOT ACTIVITY OPEN BURNING GROUNDS REMEDIAL ACTION

## 1. BACKGROUND

Roy F. Weston. Inc. (WESTON®) is issuing Requests For Quotations (RFQ) for furnishing land surveying services at the Seneca Army Depot Activity (SEDA) Open Burning (OB) Grounds Superfund Site in Romulus, NY for the U.S. Army Corps of Engineers, New England District (CENAE). This RFQ must be received by WESTON® no later than 12:00 Noon on Monday, July 20, 1998.

The OB Grounds site occupies approximately 30 acres within the 10,587 acres of land that comprise SEDA in Romulus, New York. The facility is bounded by State Route 96A to the west and State Route 96 to the east. Four Cities surround Seneca Army Depot activity: Geneva and Rochester to the northwest. Syracuse to the northeast, and Ithaca to the south. The depot is located between Seneca and Cayuga Finger Lakes as shown in Figure 1. SEDA is located on an uplands area, at an elevation of approximately 600 feet above Mean Sea Level (MSL). This upland area forms an elongated divide separating these two Finger Lakes. Sparsely populated farmland covers most of the surrounding area. The OB Grounds site is located on gently sloping terrain in the northwest corner of SEDA as shown in Figure 2. The OB Grounds is bounded on the east by Reeder Creek, which is a perennial creek that is generally less than 1 foot deep and eventually flows into Seneca Lake. Seneca Lake is located approximately 10.000 feet west of the site and is used as a source of drinking water for SEDA and surrounding communities. The site is sparsely vegetated with grasses and brush and there are no permanent structures within the area other than small concrete bunkers. A site plan of the OB Grounds is provided in Figure 3.

The site was formerly included on the Federal Facilities National Priorities List on 13 July 1989. All work performed under this contract is to be performed in accordance with to the Comprehensive Environmental Response Compensation and Liabilities Act (CERCLA).

## 2. SCOPE OF SERVICES

The surveying Subcontractor shall provide all labor, equipment, materials, expenses, and other incidental items required for the following seven phases of work (Phase I –Bid Item 1, Phase II – Bid Item 2, etc.):

## Phase I

- Initial mobilization to the site to locate and tie-in existing bench marks and control points
- Installation of control points (stakes) at every 100' grid interval within the limits defined by "Edge of Soil Cover" as shown in Figure 26 (provided)
- Layout the "Initial" limits of the 30 acre soil cover perimeter as shown in Figure 26

## Phase II

- Layout the initial excavation limits as shown in Figures 3.4, and 6-12
- Layout the proposed wetlands area as shown in Figure 26
- Survey post excavation limits and elevations (top and bottom of slope at each excavation deflection point and at bottom centerline of excavation every 50')

## Phase III

- Additional surveying at requested locations. This item includes re-mobilization to the site on an as needed basis as the project proceeds (over a 2-3 month period) but may include layout of proposed soil stockpile and dewatering collection areas, proposed haul road locations, additional spot elevations at excavation areas (as requested) and along perimeter of soil cover limits, dewatering locations at culverts, and sampling points. None of these points shall coincide with other phases of work.
- Locate 13 new groundwater monitoring wells. Include horizontal and vertical for well riser and vertical for well casing and ground surface. Locations of new wells are not currently shown in the drawings but will be delineated in field.

## Phase IV

A survey shall be performed at Reeder Creek before and after excavation. Approximately 45 stations shall be surveyed at a 50 foot intervals along the 2 separate creek excavations. All survey stations shall include at a minimum: elevations of center-line of creek, edge of waterline, toe of slope, limit of excavation (at top and bottom of cut), top of slope, undisturbed location at ground surface beyond top of slope, and significant breaks in terrain. Survey notes shall indicate the ground surface type (e.g., bedrock, soil, or original ground surface). Note: WESTON's goal is to excavate 1' of soil or down to bedrock (whichever) is less. Cross sections shall be provided which detail existing and final grade.

## Phase V

- Maintain and restake as necessary existing 100' grid within the limits of soil cover to determine rough grade elevations for soil cover material. The entire 30-acre area will be rough graded to an elevation approximately 9" lower than the final elevations as shown on Figure 26. This includes the area identified for new wetlands construction. Actual cut/fill line shall be marked on stakes to delineate rough grade elevation for grading control.
- The 5" fill grade mark and the 4" topsoil grade mark shall also be established and delineated on the grade stakes for final grade control.

## Phase VI

• Install 3 new permanent survey monuments if disturbed as a result of excavation and grading operations. Existing monuments are identified on Figure 14 as follows: SEAD 4 (Elev. 629.37), SEAD 5 (Elev. 617.10), and SEAD 6 (Elev. 636.40). Horizontal and vertical coordinates of these new monuments and descriptions of their locations shall be provided on the as-built drawing.

## Phase VII

Prepare and submit as-built drawings identifying the extent of excavations, sample locations (WESTON to provide sample location data), Reeder Creek cross-sections (existing vs. proposed actual grade), new monitoring wells (locations and grade), new survey monuments (location and grade), contours (every 2'), actual limits of soil cover, drainage swale contours, and new wetland area location and contours.

Survey Subcontractor shall be required to mobilize to the site throughout the course of the project as necessary to complete required survey work as the remediation work progresses. At a minimum, the Survey Subcontractor shall anticipate mobilization to the site at the following times and activities:

- Initial mobilization to tie-in and establish control.
- Stake out of initial excavation and soil cover limits.
- Survey Reeder Creek cross-sections before and after excavation.
- Surveying required as the work progresses on a weekly basis, including surveying sample locations and surveying individual excavation limits (top and bottom at corners), etc..
- Grade stake layout for rough and final grading of 30-acre area, including new wetlands area.
- As-built survey, survey of monitoring wells, and installation of monuments.

All work shall be performed under the supervision of a land surveyor licensed and registered in the State of New York. Proof of current certification shall be submitted along with bid.

## Accuracy

Locations shall be surveyed to plus or minus one tenth-foot accuracy, relative to the New York state plane coordinate system using existing benchmarks in the vicinity of the site, as shown on the attached figures. Elevations shall be determined to plus or minus 0.01 foot accuracy relative to the 1929 NGVD.

## Report of Results

Surveying Subcontractor shall submit along with as-built drawings a report of results. A table of the survey data generated shall be included in the final report and shall include a listing of X.Y,Z coordinates for Phases I-VII for each survey point and relevant reference points in hard copy and electronic form. The electronic version of the drawing(s) must be in AutoCad Release 12. The hard copy of the extent of excavations, sample locations, new monitoring wells, new survey monuments, soil cover, and new wetland as-built drawings will be at a scale of 1 inch equals 100 feet. The scale of the drawings containing the Reeder Creek cross-sections shall be determined

at a later date. A copy of all field notes and calculations generated shall also be provided. A daily report shall be provided to WESTON at the close of business each day which details the following: Company name, name of surveyors onsite, duties, arrival and departing time, work performed (stations, control points, excavations, perimeter limits, creek locations, etc.), weather conversations etc.

## Health and Safety

For the purpose of this solicitation, assume the work will be completed in Personal Protective Equipment (PPE) Level D. WESTON shall provide to the Subcontractor a copy of WESTON's Site Safety and Health Plan (SSHP) and Site Specific Health and Safety Plan (SSHASP), to be read and signed by all Subcontractor personnel prior to any work performed on-site. The original signed copy of the SSHP and SSHASP will remain in the custody of WESTON's field personnel, and will remain on-site during all work. All on-site workers shall have 40-hour OSHA training for hazardous waste site workers and required annual 8-hour refresher training (29 CFR 1910). The Subcontractor will be responsible for providing documentation of appropriate health and safety training and medical monitoring under OSHA (29 CFR 1910.120) for all on-site employees. The Subcontractor will be expected to sign and abide by the provisions presented in WESTON's SSHP and SSHASP. The Subcontractor will be required to provide Level D PPE for the survey crew (hard hat, steel toe boots, and safety glasses). WESTON shall provide additional PPE (booties, gloves, and tyvek) if required. subcontractor shall provide a daily supply of drinking water and/or gatorade. Equipment will be required to be decontaminated prior to removal from the exclusion zone. Decontamination methods for tools and sensitive equipment will be performed via hand rinsing with detergent and wiping. WESTON shall provide decontamination equipment.

## Down Time

WESTON shall not incur standby costs for delays resulting from the Surveyor's need to bring additional materials or equipment onto the facility to complete the SOW after the initial mobilization or for delays resulting from requirements for Subcontractor to comply with SEDA Security procedures (see below).

## SEDA Security Procedures

Subcontractor shall be required to comply with all SEDA requirements, including, but not limited to access control aite security, and work permit requirements. The Subcontractor shall follow the requirements of SEDA as described in Attachments IIIA (Section 3.3 of Specifications titled "Site Control and Security Requirements"), IIIB (Highlights of Contractor Contractor Employee Instructions), IIIC (Sample Form 268, which must be completed for all employees who will be on-site)

## 3. SCHEDULE

The Land Surveying Contractor shall perform the work specified between Aug. and October 1998 or as dictated by actual field work. The subcontractor will assume an 8 hour work day of the Monday through Friday.

Note: No work shall be performed following contract award for phases III or VIII unless prior approval is given by WESTON.

## ATTACHMENT II

## **BID FORM**

## LAND SURVEYING SERVICES SENECA ARMY DEPOT ACTIVITY OPEN BURNING GROUNDS REMEDIAL ACTION

ITEM	DESCRIPTION	UNIT	NO. UNITS	UNIT PRICE	SUBTOTAL
1.	Initial mobilization to site to locate and tie-in existing controls. (See Phase I for work description)				
		L.S.	ï	\$	\$
2.	Layout wetland and excavation areas, and perform post excavation surveying (See Phase II for work description)	L.S.	1	\$	\$
3.	Additional surveying for TBD areas (See Phase III for work description)	DAY	15	\$	\$
4.	Reeder Creek Survey (See Phase IV for work description)	L.S.	1	\$	\$
5.	Stakeout for rough grading and final grading of 30-acre soil (See Phase V for work description)	L.S.	1	\$	\$
6.	Install 3 monuments (See Phase VI)	L.S.	1	\$	\$
7.	Prepare and submit as-built drawings (See Phase VII)	L.S.	1	\$	\$
8.	Daily cost for additional survey work *	DAY	5	\$	\$
	TOAL FIXED PRICE QUOTAT	CION		\$	

<sup>\*</sup> Assume 2 person crew

Note: Davis Bacon Wage rates do not apply for Land Surveyors on account of Land Surveyors not being considered Hazardous Waste Laborers.

Firm:
Name:
Title:
Address:
Phone:
Date:

## SUBCONTRACTOR'S/VENDOR'S BID PROPOSALS

POPLI

ENGINEERS & SURVEYORS 555 PENBROOKE DRIVE PENFIELD, NEW YORK 14526 TEL (716) 388-2060 FAX (716) 388-2070

July 20, 1998

Mr. Dominic A. Mattioni Roy F. Weston, Inc. One Wall Street Manchester, New Hampshire 03101-1501

Post-it® Fax Note	7671	Date -	130	48	pages	U
To Dominic Mas	tioni	From	On	2	pol	
Co/Dept. Roy F. Let	ston	Co.			,	
Phone *		Phone	716	53	88 4	060
Fax # 603 6565	401	Fax #			G	מרסו

Re: Corps of Engineers, North Atlantic Division, New England District Hazardous, Toxic, Radioactive Waste (HTRW) Program Seneca Army Depot Area Romulus, New York Surveying Services Proposal

Dear Mr. Mattioni:

In response to your Request for Proposal dated July 15, 1998, enclosed please find the following:

- Attachment II, Bid Form
- Assumptions and Exceptions
- Certificate of Minority Business Enterprise
- Proof of License to Perform Surveying Services

Please be advised that the following item was missing from the Request for Proposal:

• Attachment IA, Vertical and Horizontal Controls

If you have any questions, or need further information, please do not hesitate to call.

Sincerely,

Enclosures

cc:

File

Om P. Ropli, P.E.,

## Land Surveying Services Seneca Army Depot Activity Open Burning Grounds Remedial Action

## **Assumptions:**

- Existing project controls (both horizontal and vertical) are recoverable and in good condition without any discrepancies.
- NYSDOL prevailing wage rates do not apply.
- Daily cost for Items Nos. 3 and 8 is based upon eight (8) hours/day without overtime. Start and end time will be from Rochester.
- Restake-out of previously laid out survey work disturbed during construction activities will be charged under Item 8, "Daily Cost for Additional Survey Work".
- Project site is considered Level D, requiring no special respirators, etc.
- Surveyor will follow Project Health and Safety Plan and will not be required to prepare and submit separate Health and Safety Plan.
- Access to the site is available with no waiting time and time loss.
- All the permits, etc. will be procured by Roy F. Weston, Inc..
- Survey crew will commute daily from Rochester office.

Om P. Popli – 7/20/98

(

## ATTACHMENT II

## **BID FORM**

## LAND SURVEYING SERVICES SENECA ARMY DEPOT ACTIVITY OPEN BURNING GROUNDS REMEDIAL ACTION

ITEM	DESCRIPTION	UNIT	NO. UNITS	UNIT PRICE	SUBTOTAL
1.	Initial mobilization to site to locate and tie-in existing controls. (See Phase I for work description)				
		L.S.	1	\$ 10,700	\$ 10,700
2.	Layout wetland and excavation areas, and perform post excavation surveying (See Phase II for work description)	1S.	1	\$ 9,425	9,425
3.	Additional surveying for TBD areas (See Phase III for work description)	DAY	15	<b>\$</b> 615	\$ 9,225
4.	Reeder Creek Survey (See Phase IV for work description)	L.S.	1	\$ 6,650	\$ 6,650
5.	Stakeout for rough grading and final grading of 30-acre soil (See Phase V for work description)	L.S.	1	\$ 7,225	\$ 7,225
6.	Install 3 monuments (See Phase VI)	L.S.	1	\$ 850	\$ 850
7.	Prepare and submit as-built drawings (See Phase VII)	L.S.	1	\$ 4,525	\$ 4,525
8.	Daily cost for additional survey work *	DAY	5	<b>\$</b> 615	\$ 3,075
	TOAL FIXED PRICE QUOTA	rion		\$	51,675

<sup>\*</sup> Assume 2 person crew

Note: Davis Bacon Wage rates do not apply for Land Surveyors on account of Land Surveyors not being considered Hazardous Waste Laborers.

Firm: Om P. Popli, P.E., L.S., P.C.

Name: Om F. Popli, J.E., L.

Title: President

Address: 555 Penbrooke Drive, Penfield, NY 14526-2035

Phone: 716-388-2060

Date: July 20, 1998

## Empire State Development

Michelle Marquez-Melecio
Vice President
Affirmative Action, Campliance and Certification

July 23, 1997

OM POPLI OM P POPLI PE 555 PENBROOKE DRIVE PENFIELD, NY 14526

Dear OM POPLI:

This letter is sent to confirm your continued certification as a MBE -Owned Business Enterprise.

Be advised that your certification remains in effect until such time as you are contacted by this Office for recertification.

Please keep in mind that any changes which affect ownership, managerial, and/or operational control, (i.e. company name, business address, telephone numbers, principal products/services and bonding capacity, etc) must be reported to this Office within 30 days of the occurrence of such changes. Failure to submit any changes could result in your firm's certification status being revoked and the name of your firm removed from the Directory.

If your certification status is questioned by any public or private entity, you may direct the inquiry to this Office for further clarification. Should you have any questions regarding this matter, you may contact me at (518) 473-0582.

We wish you continued success in your future endeavors.

Sincerely,

Michelle Marquez-Melecio

Michelle Marques needs in

File # 3783

Empire State Development Corporation One Commerce Plaza Albany New York 12245 Tel 518 473 0582 Fax 518 473 0665

# The University of the State of Dew Bork

THIS IS TO CERTIFY THAT QUALIFICATIONS FOR PROFESSIONAL PRACTICE IN NEW YORK STATE HAVING BEEN APPROVED

THE STATE EDUCATION DEPARTMENT

HAS REGISTERED

1903595

POPLI OM P 25 BRIGGSBORO LANE FAIRPORT

14450-3805 N

FOR PRACTICE IN NEW YORK STATE AS A (N)

LAND SURVEYOR

10/31/94 RECESTRATION PERIOD/ENDS

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COMMISSIONER OF EDUCATION

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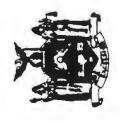
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ON REVERSE SIDE

SIGNATURE OF REGISTRAN

RECUSTRATION CERTIFICATE ... NOT A LICENSE

## ST THE STATE OF NEW YOUR CATION DEPARTMENT



BE IT KNOWN THAT

## ANTHONY VENTURO

EVIDENCE OF THE COMPLETION OF PROFESSIONA PRESCRIBED BY LAW IS QUALIFIED TO PRACTICE

## ND SURVEYING

HE STATE OF NEW YORK

3DUCATION DEPARTMENT GRANTS THIS LICENSE S SEAL AT ALBANY, NEW YORK VENTH DAY OF MARCH, 1994.



PRESIDENT OF THE UNIVERSITY AND COMMISSIONER OF EDUCATION

nglas C Hadine

ENECUTIVE SECRETARY STATE BOARD FOR STATE BOARD FOR ENGINEERING AND LAND SURVEYING

## State of New York Department of State

I hereby certify, that the certificate of incorporation of OM P. POPLI, P.E., L.S., P.C. was filed on 07/06/1992, with perpetual duration, and that a diligent examination has been made of the index of corporation papers filed in this Department for a certificate, order, or record of a dissolution, and upon such examination, no such certificate, order or record has been found, and that so far as indicated by the records of this Department, such corporation is a subsisting corporation.

Witness my hand and the official seal of the Department of State at the City of Albany, this 21st day of January one thousand nine hundred and

Claid Deputy Secretary of State

hinesy-seven.

199701220212 59

Post-it* Fax Note	7671	Date 7 00 98 ages 44
To Dominic M	attion	
Co. Dept. Por F. I	existon	
Phone #		Phone #716 388 2060
Fax * 603 656	5401	Fax # 2070

## THE UNIVERSITY OF THE STATE OF NEW YORK THE STATE EDUCATION DEPARTMENT ALBANY, NEW YORK 12230

Pursuant to the provisions of Section 1503 of the Business Corporation Law, I hereby certify that each of the individuals named below, who are all of the persons named in the attached Certificate of Incorporation of:

## OM P. POPLI, P.E., L.S., P.C.

a proposed professional service corporation, as the original shareholders, directors and officers thereof, is authorized by law to practice the profession set forth after his name.

I further certify that if such corporation will be authorized by law to practice more than one profession, one or more of such individuals is authorized to practice each profession which such proposed corporation will be authorized to practice.

THE ISSUANCE OF THIS CERTIFICATE DOES NOT CONSTITUTE APPROVAL OF THE CORPORATION NAME BY THE DEPARTMENT OF STATE.

NAME & RESIDENCE ADDRESS	PROFESSION	LICENSE OR CERTIFICATE NO.
Om P. Popli 25 Briggsboro Lane Fairport, NY 14450	Professional Engineering	048674
Om P. Popli 25 Briggsboro Lane Fairport, NY 14450	Land Surveying	049325

SEAL

IN WITNESS WHEREOF, I have hereunto set my hand in the city of Albany this 17th day of June 1992.

Susan Mekus

Supervisor of Professional Licensing

PLS 709

Ju1-20-98 08:49A OM P POPLI PE LS PC

## CERTIFICATE OF INCORPORATION Œ OM P. POPLI, P.E., L.S., P.C.

The undersigned, for the purposes of forming a corporation pursant to Article 15 of the Business Corporation Law, certifies:

- The name of the Corporation shall be:
  - OM P. POPLI, P.E., L.S., P.C.
- 2. The purposes for which it is formed are:
- To engage as a Professional Service Corporation in the practice of Professional Engineering & Land Surveying.
- To do everthing necessary and proper for the accomplishment of any of the foregoing purposes or the attainment of any of the foregoing objects or in the furtherance of any of the purposes enumerated in this Certificate of Incorporation or any amendment thereof, necessary-or incidental to the protection and benefit of the corporation.
- To engage in any lawful act or activity for which corporations may be organized under the Business Corporation Law.

The foregoing paragraphs shall be construed as enumerating both objects, purposes, and powers of the corporation; and it is hereby expressly provided that the foregoing enumeration of specific powers of the corporation shall not be held to limit or restrict in any manner the powers of the corporation otherwise permitted by law.

The corporation, in furtherance of its corporate purposes above set forth, shall have all of the powers enumerated in Section 202 of the Business Corporation Law, subject to any limitations provided in the Business Corporation Law or any other statute of the State of New York.

The office of the corporation shall be located in the County of Monroe and State of New York.

- 4. The aggregate number of shares which the corporation shall have the authority to issue is 200 shares of no par value stock, all of one class which shall be designated common stock.
- 5. The Secretary of State of the State of New York is designated as the agent of the corporation on whom process in any action or proceeding against it may be served. The address to which the Secretary of State shall mail a copy of process in any action or proceeding against him is 25 Briggsboro Lane, Fairport, NY 14450.
- 6. The incorporator is Om P. Popli, who is over the age of 18, and is authorized to render the same professional services which the Corporation is authorized to render.
- 7. The name and residence of shareholder, director, and officer of the Corporation is:

Name	License No.	Hesidence
OM P. POPLI	P.E.# <u>48674-1</u> L.S.# <u>49325-1</u>	25 Briggsboro Lane Fairport, NY 14450

In WITNESS WHEREOF, the undersigned incorporator, being over the age of 18, subscribes this certificate and affirms that the statements made herein are true under the penalties of perjury.

Dated:

May 26, 1992

On P. Popli Incorporator

25 Briggsboro Lane, Fairport, N.Y.

Address

# THE UNIVERSITY OF THE STATE OF NEW YORK **EDUCATION DEPARTMENT**



BE IT KNOWN THAT

# MICHAEL ANTHONY VENTURO

HAVING GIVEN SATISFACTORY EVIDENCE OF THE COMPLETION OF PROFESSIONAL AND OTHER REQUIREMENTS PRESCRIBED BY LAW IS QUALIFIED TO PRACTICE

## LAND SURVEYING

IN THE STATE OF NEW YORK

IN WITNESS WHEREOF THE EDUCATION DEPARTMENT GRANTS THIS LICENSE UNDER ITS SEAL AT ALBANY, NEW YORK THIS SEVENTH DAY OF MARCH, 1994.

LICENSE NUMBER 050079



PRESIDENT OF THE UNIVERSITY AND COMMISSIONER OF FOUCATION

Auglas ( Malinule)
EXECUTIVE BECATIANT
STATE BOARD FOR
ENGINEERING AND LIND SURVEYING

**URS Greiner** 

282 Delayvare Avenue
Buitalo, New York 14202-1805
Telephone: (716) 856-5636
Facsimile: (716) 856-2545
Ciffices in Principal Cities Nationwice

July 17, 1998

Roy F. Weston, Inc. One Wall Street Manchester, NH 03101

Attn: Mr. Dominic A. Mattioni

Post-It* Fax Note 7671	Cate 7/17/98   # of > /
	From E.C. NEWMAN
CONDEDI WESTON	CO. URSG
	Phone #-7/6 856 5636
Fax * 1-603-656.5501	Fax#

Re:

Corps of Engineers, North Atlantic Division, New England District Hazardous, Toxic, Radioactive Waste (HTRW) Program Seneca Army Depot - Romulus, NY Surveying Services

Dear Mr. Mattioni:

URS Greiner (URSG) wishes to thank you for the opportunity to provide a response to your Request for Proposals (RFP) for the above captioned project.

Unfortunately, your RFP did not arrive in our Survey Department until early Friday morning, July 17, 1998. With the RFP due in your office by Monday, July 20, 1998 at 12:00 noon, and the resultant lack of adequate time, we were unable to commit the resources necessary to give you a response which would ensure our success as the designated firm and make a positive contribution to the successful completion of your project.

We assure you that URSG is extremely interested in providing Weston with assistance on future endeavors. Thank you again for the opportunity to submit.

Sincerely,

**URS** Greiner

Earle C. Newman, PLS

Manager - Survey Department

CC:

J.C. Gorton, VP Marketing Files

16036565501:# 3

Firm: Joanne Darcy Crum, L.S.

Name: Joanne Darcy Crum

Title: Principal

45 West Main Street

Address: Cobleskill, NY 12043

Phone: (518) 234-4650

Date: \_\_\_\_7/20/98

## JOANNE DARCY CRUM, L.S.

PROFESSIONAL LAND SURVEYOR

20 July 1998

Roy F. Weston, Inc. One Wall Street Manchester, NH 03101-1501

## RE: SENECA ARMY DEPOT

Hazardous, Toxic, Radioactive Waster Program Romulus, NY, Surveying Service, Request for Proposal

## The following assumptions are made regarding the above proposal:

- 1) Existing Horizontal and Vertical control is intact and useable
- 2) All plans and mapping are available in ACAD12 dwg format. If not available, assume 20 additional office hours.
- 3) NOT SUBJECT TO PAYMENT OF PREVAILING RATE FOR SENECA COUNTY
- 4) NOT SUBJECT TO HAZARDOUS WASTE SUPPLEMENT
- 5) No confined space entry is anticipated or allowed
- 6) Surveyor will provide certification of OSHA training (Assume Level D) precautions to be followed
- 7) Any work beyond the scope outlined above to be authorized in advance and subject to the rates shown

A breakdown of rates and time is as follows:

2 Man Crew per hour \$160 \$ 55 Office Technician per hour \$ 90 Principal per hour Sec. Support per hour \$ 35

mileage \$0.35 per mile lodging and per diem \$ 90 per person

misc./out of pocket - cost + 15%

This firm is certified as a Women's Business Enterprise (WBE) and as a Disadvantaged Business Enterprise (DBE). I have enclosed certification letters and also SF 254 and 255 for your information and use.

I look forward to the opportunity to working with you on this project. I am certain you will be pleased with our work.

Joanne Darcy Crum, L.S.

wp/proposals1/SENECA1.DOC

PP 0.0 EXHIBIT I

## REPRESENTATIONS AND CERTIFICATIONS (FOR AWARDS < \$50,000)

In connection with Purchase Orders or Subcontracts claded under Federal Government contracts, we are required to obtain or have on fiel contain representations/certifications which are mandated by Law and/or Government procurement regulations. To preclude a delay in the process related to such procurements, this standardized representationy certification package is being forwarded to you at this time. It must be executed by an official of your firm.

## 1 Small Business Program Representation.

- a. Representations. (1) The offeror represents and camilles as part of its offer that it  $\frac{XX}{X}$  is,  $\frac{XX}{X}$  is not a small business concern.
- (2) The offeror represents that it XX s. s not a small disadvantaged business concern.
- 3) The oneror represents that it  $\frac{XX}{s} = \frac{s}{s}$  s not a women-cwined small business concern.
- b. Definitions. Small business concern, as used in this provision, means a concern, including its affiliates, that is independently owned and operated, not dominant in the field of operation in which it is bidding on Government contracts, and qualifies as a small business under the criteria and size standards established by the Small Business Administration.

Small disadvantaged business concern, as used in this provision, means a small business concern that (1) is at least 51 percent unconditionally owned by one or more individuals who are both socially and economically disadvantaged, or a publicly owned business having at least 51 percent of its stock unconditionally owned by one or more socially and economically disadvantaged ndividuals, and (2) has its management and daily business controlled by one or more such individuals. This term also means a small business concern that is at least 51 percent unconditionally owned by an economically disadvantaged Indian tribe or Native Hawaiian Organization, or a publicly owned business having at least 51 percent of its stock uncongronally owned by one or more of these entities. which has it management and daily business controlled by members of an economically disadvantaged Indian tribe or Native Hawesan Organization, and which meet the requirements of 13 CFR Part 124.

Women-owned small business concern, as used in this provision means a small business concern— (1) Which is at least 51 percent owned by one or more women or, in the case of a publicity owned business, at least 51 percent of the stock of which is owned by one or more women; and (2) whose management and daily business operations are controlled by one or more women.

c. Under 15 U.S.C. 645(d), any person who misrepresents a firm's status as a small or small disadvantaged business concern in order to obtain a

contract to be awarded under the preference programs established cursuant to sections 8(a), 8(d), 9, or 15 of the Small Business Act or any other provision of the Federal law that specifically references section 8(d) for a definition of program eliquosity shall (1) be punished by imposition of a fine, imprisonment, or both: (2) be subject to administrative remodes:

including suspension and debarment and (3) be ineligible for participation in programs conducted under the authority of the Act.

- Cartification Regarding Cebarment Suspension.
   Proposed Debarment and Other Responsibility Matters.
- (a)(1) The offeror certifies, to the best of its knowledge and belief, that—
- (i) The Offeror and/or any of its Principals-
- (A) Are ( are not (X) presentiv departed, suspended, proposed for debarment, or declared ineligible for the award of contracts by any Federal agency;
- (B) Have ( ) have not (X), within a three year period praceding this offer, been convicted of or had a civil judgement rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, state, or local) contract or subcontract violation of Federal or state antitrust statutes relating to the submission of offers; or commission of embezziement, theft, forgery, bribery, falsification or destruction of records, making false statements, tax evasion, or receiving stolen property; and
- (C) Are ( ) are not (X) presently indicted for, or otherwise criminally or civilly charged by a governmental entity with, commission of any of the cifenses enumerated in subdivision (a)(1)(i)(B) of this provision.
- (ii) The Offeror has ( ), has not (X) within a three year period preceding this offer, had one or more contracts terminated for default by any Federal agency.
- (2) "Principals," for the purposes of this cartification, means officers: directors; owners; partners; and, persons having primary management or supervisory responsibilities within a business entity (e.g., general manager; plant manager; head of a subsidiary, division, or business segment and similar positions).

This confication concerns a matter within the jurisdiction of an agency of the United States and the making of a take, fictitious, or fraudulent certification may render the maker subject to prosecution under section 1001, title 18, United States Code.

(b) The Offeror small provide immediate written notice to WESTON if, at any time prior to contract award, the Offeror learns that its certification was erroneous when submitted or has become erroneous by reason of changed

### circumstances

c) A certification that any of the items in paragraph (a) of this provision exists will not necessarily result in withholding of an award under this solicitation. However, the certification will be considered in connection with a determination of the Offeror's responsibility. Failure of the Offeror to furnish a certification or provide such additional information as requested by WESTON may render the Offeror nonresponsible.

(d) Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render, in good faith, the certification required by paragraph (a) of this provision. The knowledge and information of an Offeror is not required to exceed that which is normally possessed by a procent person in the ordinary course of business dealings.

(e) The certification in paragraph (a) of this provision is a material representation of fact upon which reliance was placed when making award. If it is later determined that the Offeror knowingly rendered an empreous certification in addition to the other remedies available. WESTON may terminate the contract resulting from this solicitation for default.

### 3. Cartification of Nonsegregated Facilities.

- (a) "Segregated facilities," as used in this provision, means any waiting rooms, work areas, rest rooms and week rooms, restaurants and other eating areas, time clocks, locker rooms and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing facilities provided for employees, that are segregated by explicit directive or are in fact segregated on the basis of race, color, religion, or national origin because of habit, local custom, or otherwise.
- (b) By the submission of this offer, the offeror certifies that it does not and will not maintain or provide for its employees any segregated facilities at any of its establishments, and that it does not and will not permit its employees to perform their services at any location under its control where segregated facilities are maintained. The offeror agrees that a breach of this certification is a violation of the Equal Opportunity clause in the contract.
- (c) The offeror further agrees that (except where if has obtained identical certifications from proposed subcontractors for specific time periods) it will-
- (1) Obtain identical certifications from proposed subcontractors before the award of subcontracts under which the subcontractor will be subject to the Equal Opportunity clause:
  - (2) Retain the cartifications in the files; and
- (3) Forward the following notice to the proposed subcontractors (except if the proposed subcontractors have submitted identical carafications for specific time periods):

NOTICE TO PROSPECTIVE SUBCONTRACTORS OF REQUIREMENT FOR CERTIFICATIONS OF NONSEGREGATED FACILITIES.

A Cartification of Nonsegregated Facilities must be

submitted before the award of a subcontract under which the subcontractor will be subject to the Edual Opportunity clause. The certification may be submitted either for each subcontract or for all subcontracts during a period (i.e., quarterly, semiannually, or annually)

PP 2.2 EXHIBIT I

NOTE. The penalty for making raise statements in offers is prescribed in 18 U.S.D. 1001.

Complete items 4 and 6 if the aggregate value of your federal contracts/subcontracts exceeds \$50,000 and your business concern has 60 or more employees.

Check here if sections 4 and 6 do not apply N/A.

4 PREVIOUS CONTRACTS AND COMPLIANCE REPORTS (FAR 52,222-22)

The offeror represents that-

- (a) it has, has not participated in a previous contract or subcontract subject either to the Equal Opportunity clause of this solicitation, the clause originally contained in Section 310 of Executive Order No. 10925, or the clause contained in Section 201 of Executive Order No. 1114
- (b) It \_\_\_\_\_has, \_\_\_\_has not filed all required compliance reports; and
- (c) Representations indicating submission of required compliance reports, signed by proposed subcontractors, will be optained before subcontract awards.

## 5. <u>AFFIRMATIVE ACTION COMPLIANCE</u> (FAR 52.222-25)

The offeror represents that (a) it \_\_\_\_\_ has developed and has on file, \_\_\_\_\_ has not developed and does not have on file, at each establishment, affirmative action programs required by the rules and regulations of the Secretary of Labor (41 CFR 60-1 and 60-2), or (b) it \_\_\_\_\_ has not previously had contracts subject to the written affirmative action programs requirement of the rules and regulations of the Secretary of Labor.

## 6. AUTHORIZED SIGNATURE.

The following named individual attests to the accuracy of the certifications completed herein.

Joanne Darcy Crum, L.S.

COMPANY NAME (Please Print)

Cobleskill, NY 12043

CITY STATE ZIP (Please Print)

14-1694225 TAX

Joanne Darcy Crum PRINTED

JOANNE CALLY CULTURE OF MITHORIZED REPRESENTATIVE DATE

Upon ROY				return	to
	_	 			
Attn:	_				_

## TASK 1200 MONITORING, SAMPLING, TESTING AND ANALYSIS

Seneca Army Depot Activity Romulus, New York Laboratory Analytical Services W.O.# 00934-108-059-

lysis	ΔTζ	ITS * Unit Price	ITS Subotal	RECRA Unit Price	RECRA Subtotal	Toxicon Unit Price	Toxicon Subtotal	E & E Anal. Unit Price	
Matrix (3 day									
Lead	938	NO BID	\$0	\$16	\$15,008	\$26.25	\$24,623	\$21	
Ils (TCLP)	149	NO BID	\$0	\$145	\$21,605	\$315.00	\$46,935	\$125	
2 Lead	4	NO BID	\$0	\$30	\$120	NO BID	\$0	\$63	
S	139	\$180	\$25,020	\$125	\$17,375	\$227.50	\$31,623	\$119	
Cs	91	ONO BID	\$0	\$250	\$22,750	\$437.50	\$39,813	\$244	
	61	NO BID	\$0	\$105	\$6,405	\$113.75	\$6,939	69\$	
cides	91	NO BID	0\$	\$130	\$11,830	\$175.00	\$15,925	\$81	
TCLP)	17	NO BID	\$0	\$800	\$13,600	\$1,750.00	\$29,750	\$838	
tivity	2	\$80	\$160	\$40	\$80	\$35.00	\$70	\$44	
bility	2	\$150	\$300	\$80	\$160	\$61.25	\$123	\$63	
Sivity	2	\$20	\$40	\$10	\$20	\$10.50	\$21	9\$	
ent Moisture	2	\$20	\$40	\$10	\$20	\$17.50	\$35	\$13	
Filter	2	\$20	\$40	\$19	\$38	\$31.50	\$63	\$13	
Metals	61	NO BID	0\$	\$145	\$8,845	\$262.50	\$16,013	\$119	
osives	59	NO BID	\$0	\$150	\$8,850	\$525.00	\$30,975	\$138	
er (7 day TAT)									

but the chote From ec days نې Valid Stor is  $\sim$ -×

ANOI/USERI/PROJECTS/00934108/159/SENECA/LABBIDSM.DOC

\$95 \$95

\$150 \$130

\$7,150 \$4,500

\$5,500 \$3,300

\$100 \$110

\$7,150 \$4,500

\$130 \$150

30 55

Metals

S

Seneca Army Depot Activity Romulus, New York Laboratory Analytical Services W.O.# 00934-108-059-

lysis	ΩTY	ITS	ITS	RECRA	RECRA	Toxicon	Toxicon	E & E Anal.	I
		Unit Price	Subotal	Unit Price	Subtotal	Unit Price	Subtotal	Unit Price	
Cs	30	\$350	\$10,500	\$190	\$5,700	\$250	\$7,500	\$195	
icides	30	\$135	\$4,050	\$100	\$3,000	\$100	\$3,000	\$65	
S	0	\$135	\$0	\$80	\$0	\$65	\$0	\$55	
	0	\$30	\$0	\$12	\$0	\$15	\$0	\$17	
osives	0	\$180	\$0	\$120	\$0	\$300	\$0	\$110	
s Samples (7 TAT)									
ability	8	\$40	\$320	\$30	\$240	\$20	\$160	\$35	
ctivity	8	\$100	\$800	\$70	\$560	\$34	\$272	\$50	
osivity	ω	\$10	\$80	\$8	\$64	9\$	\$48	\$5	
S	6	\$130	\$1,170	\$100	\$900	\$130	\$1,170	\$95	
Cs	8	\$350	\$2,800	\$190	\$1,520	\$250	\$2,000	\$195	
S	8	\$135	\$1,080	\$80	\$640	\$65	\$520	\$55	
cides	ω	\$135	\$1,080	\$100	\$800	\$100	\$800	\$65	
ls	20	\$150	\$3,000	\$110	\$2,200	\$150	\$3,000	\$6\$	
Samples (7 TAT)									
ability	2	\$40	\$80	\$30	\$60	\$20	\$40	\$35	
tivity	2	\$100	\$200	\$20	\$140	\$35	\$70	\$50	
osivity	2	\$10	\$20	\$8	\$16	9\$	\$12	\$2	
v	4	\$130	\$520	\$100	\$400	\$130	\$520	\$95	
Cs	2	\$350	\$700	\$190	\$380	\$250	\$500	\$195	

86/11/6

Seneca Army Depot Activity Romulus, New York Laboratory Analytical Services W.O.# 00934-108-059-

	\$280,057		\$156,666		\$69,850			TALS
\$95	\$5,400	\$150	\$3,960	\$110	\$5,400	\$150	36	I Metals
								Samples
\$100	\$360	\$180	\$220	\$110	\$260	\$130	2	P metals
\$9\$	0\$	NO BID	\$200	\$100	\$270	\$135	2	icides
\$55	\$130	\$65	\$160	\$80	\$270	\$135	2	S

## **SCOPE OF WORK**

## ADDENDUM 02

## ANALYTICAL LABORATORY SERVICES SENECA ARMY DEPOT ACTIVITY ROMULUS, NY

Addendum 02 to the Analytical Laboratory Services Request for Proposal (RFP) for work at the Seneca Army Depot Activity includes changes to Attachments I and II to the original RFP which was issued on 15 July 1998. The revised copies of the Attachments are included herein. The deadline for this RFP is now 4:00 p.m. 11 September 1998. Bidders may return completed forms via facsimile. A copy of this addendum must be signed and returned with the Bid Form. The original cover letter. Attachment III (Instructions for Proposal Preparation and Evaluation), Attachment IV (Offeror's Representations and Certifications), and Attachment V (Sample Subcontract Agreement) to this bid package remain applicable.

OFFEROR'S BUSINESS NAME:	
ADDRESS:	
AUTHORIZED COMPANY OFFICIAL:	
AUTHORIZED COMPANY OFFICIAL:	
DATE:	

Very truly yours,

RQY F. WESTON, INC.

Dominic A. Mattioni

Buyer III

cc: C. Kane (Project File)
Procurement File

## ATTACHMENT I

## REQUEST FOR PROPOSAL

## ANALYTICAL LABORATORY SERVICES SENECA ARMY DEPOT ACTIVIY ROMULUS, NY

Roy F. Weston, Inc. (WESTON) is seeking laboratory analytical services for the soil remediation project in Seneca, New York. Services requested are discussed throughout this Scope of Work (SOW) with specific analytical services listed on the Price Proposal Form found in Attachment II.

## 1.0 BACKGROUND

The Seneca Army Depot Activity (SEDA) is a US Army facility located in the town of Romulus, in Seneca County, New York. SEDA occupies approximately 10,600 acres. SEDA's primary mission has been the receipt, storage, maintenance, and supply of military items. This function includes the disposal of ammunition and explosives by burning and detonation. These activities were conducted at the Open Burning (OB) grounds. The Open Burning (OB) grounds comprise an area of approximately 30 acres within the northern section of the (SEDA). Located within this area are nine separate burning pads upon which munitions wastes were open-burned until 1987. The burn pads are built on top of natural glacial till soils. Previous investigations of the OB grounds show high concentrations of metals in the soil. As a result of the high concentration of metals in the soil a removal action has resulted.

Sampling of the soils will be required to identify the concentrations in the removed soil. Upon the identification of the metals concentrations in the soil, proper disposal of soils will occur. Confirmation sampling will be required prior to backfilling excavations. Samples will be collected and sent daily for the duration of the project.

## 2.0 ANALYTICAL SERVICES

The SUBCONTRACTOR shall provide all labor, equipment, and materials for performing the analytical services listed on the Price Proposal Form (Attachment II) and discussed below.

## 2.1 Reporting Requirements

In addition to the analytical services requested, the following reporting requirements shall be adhered to:

- If compounds are detected in the method blanks, the appropriate data flag shall be noted for affected analyses in the samples. For both method blanks and laboratory control samples (LCS), the analyst must review and approve the integrity of the method blanks/LCS sampled prior to submittal.
- Surrogate Recoveries must be reported for GC and GC/MS methods.
- Organics and Inorganics will be reported separately.
- The practical quantitation limit (PQL) must be used for the lowest calibrator on time curve as a minimum.
- The full list requested must be reported, even if nothing is detected. The non-detect results must be accompanied by an actual result (i.e. <PQL).
- Surrogate recovery acceptance guides must be provided for each sample.

#### 2.2 Data Packages

The unit pricing in the Price Proposal Form (Attachment II) must also include the cost associated with the processing, reducing, printing, reprinting, and delivery of the data packages including:

- A copy of the signed chain-of-custody form showing the date and time of sample receipt in the laboratory.
- A cross-reference of field sample numbers to laboratory sample numbers.
- A cross-reference comparing field samples with applicable QC information.
- A list of PQLs.
- A sample data summary sheet.
- A QA/QC report providing data (where applicable) on method blanks, surrogate recoveries, laboratory duplicates, matrix spikes, and matrix spike duplicates and discussing the corrective action(s) implemented whenever the laboratory controls are exceeded. QA/QC information provided should be sufficient to support ACOE validation of data in accordance with Exhibit I.
- Where applicable, copies of the chromatograms for all samples.
- For GC analysis, a separate data report shall be provided for each confirmational analysis. Any subcontracted work will be transposed to a format that is consistent with the rest of the report.

 A sample receipt sheet/log is required to be submitted by facsimile to WESTON after logging samples into the laboratory's data tracking system. This sheet must include, at a minimum, samples received, cooler temperature, assured agreement between the chain-of custody and the sample bottles, determination of custody seal(s) condition, time and date of receipt, received by, and comments including discrepancies and resolution.

#### 2.3 Sample Collection and Preparation Materials

Unit rates must include the following:

- Sample bottles containing preservatives appropriate for the analyses to be conducted plus 10% extra for breakage.
- Custody seals.
- Bottle preparation (cleaning, teflon liners, and preservatives) and preparation certificate.
- Cleaning certificate for each suite of sample bottles per Environmental Protection Agency (EPA) standards.
- Shipping coolers and blue ice, including shipment to site.
- Ten gallons of ASTM Type II reagent with analysis certificates.
- Submittal of laboratory SOP per analysis.
- Sample Disposal
- Providing assistance to WESTON in the development of project plans, including the Sampling and Analysis Plan (SAP), and more specifically, the Quality Assurance Project Plan (QAPP). See section 4.0 for a more detailed description of the laboratory requirements for the QAPP.

#### 3.0 CERTIFICATION REQUIREMENTS

The selected laboratory shall be required to submit proof of certification with the U.S. Army Corps of Engineers. In particular, the laboratory shall be approved for each analysis by the USACE Missouri River Division (MRD). If a particular analysis is not certified by MRD, certification for a similar method is preferred.

In addition, the laboratory shall meet the approval and certification required by the State of New York Department of Environmental Conservation (NYDEC). Each certification shall be maintained throughout the project length (estimated at October 1998 - March

## 4.0 <u>DEVELOPMENT OF PROJECT PLANS SUBSEQUENT TO CONTRACT AWARD</u>

The selected laboratory will be responsible for other submittals/assistance to WESTON following contract award. The items for which the contract laboratory will be responsible include, but are not limited to the following items:

- Completion of a table which lists the matrix, analytical method, each analyte, PQL, MDL, %R, %RSD, and % Valid Data (Completeness, which will be required at 95%). The completed table shall be submitted to WESTON within one week of contract award. The PQLs in the table must meet any regulatory requirements (i.e., TCLP limits, MCLs. etc.) as provided by WESTON. In addition, %R, %RSD and completeness must be within ranges defined as acceptable by USACOE.
- Submittal of all applicable laboratory SOPs which are not already on file with MRD. This includes SOPs, which were previously submitted, but have been altered since the submittal. This also includes SOPs for which MRD certification has lapsed. SOPs shall be submitted within one week of contract award.
- Submittal of relevant surrogate recovery information for all applicable analytical methods. Surrogate information shall be provided within one week of contract award.
- Submittal of relevant corrective action procedures as described in EM 200-1-3.
   Corrective action procedures shall be submitted within one week of contract award.
- Assistance with completion of a project-specific Quality Assurance Project Plan.
   WESTON will provide a template. The laboratory shall add all necessary labspecific QAPP information within 1 week of contract award.
- Submittal of sample container, holding time, and preservation requirements for all applicable analytical methods. Sampling information shall be provided within one week of contract award.

#### 5.0 CLARIFICATIONS

Subcontractor is responsible for meeting required reporting thresholds. Results shall be faxed within three days from sample log-in, and followed by sample reports within seven

days from sample log-in. Due to the time critical nature of this project, delays in reporting criteria, will result in non-payment for those samples which did not meet the deadlines. Any exceptions shall be discussed with the Project Manager or Quality Control Manager prior to being submitted in order to approve any late submittals.

#### 6.0 BASIS OF AWARD

The analytical services described above will be awarded to the lowest responsive bid. A bid is considered responsive if it is received by close of business (4:00 p.m.) 11 September 1998 and it includes:

- Attachment II. completed as instructed with no omissions. Analytical method substitutions will not be accepted as part of a responsive bid.
- Proof of USACOE MRD laboratory certification for the analytical methods in Attachment II.

Questions regarding the requirements of the bid package or the technical Scope of Work may be directed to Mr. Dominic Mattioni at (603) 656-5400.

#### ATTACHMENT II PRICE PROPOSAL FORM SENECA ARMY DEPOT

Contract No. DACA87-97-D-0005

Analysis	Method	QTY	Unit Price (3-day TAT)	Unit Price (7-day TAT)
Soil Matrix				
Total Lead	6010	920		
Metals (TCLP)	1311/6010	135		
TCLP Lead	1311/6010	4		
VOCs	8260B	78		
SVOCs	8270C	78		
PCB	8082	48		
Pesticides	8081A	78		
Full (TCLP)	1311	17		
Reactivity	SW846- 7.3.3.2/7.3.4.2	2		
Ignitibility	1010	2		100
Corrosivity	9045	2		V 12
Percent Moisture	2540G	2		
Paint Filter	9095	2		
TAL Metals	6-7000 series	48		
Explosives	8330	46		
Water	J			
VOC	8260B	90		
SVOC	8270C	50		
Pesticides	8081A	50		
PCBs	8082	20		
TAL Metals	6-7000 series	50		
Lead	6-7000 series	20		
Explosives	8330	20		

Wipe Samples				
Ignitabililty	1010	8		
Corrosivity	9045	8		
Reactivity	SW846- 7.3.3.2/7.3.4.2	8		
VOC	8260B	8		
SVOC	8270C	8		
PCB	8082	8		
Pesticide	8081A	8		
TAL Metals	6-7000 series	20		
<b>Bulk Samples</b>				
Ignitability	1010	2		
Reactivity	SW846- 7.3.3.2/7.3.4.2	2		
Corrosivity	9045	2		
PCB	8082	2		
Pesticide	8081A	2		
VOC	8260B	2		
SVOC	8270C	2		
TCLP (Metals)	1311/6010	2		
Air Samples				
Total Metals	6010	36		
TOTALS			.1.,	

#### Notes:

- (1) TAT = turn-around time. Refers to the "submission of analytical data to WESTON by the laboratory." For three (3) day TAT, data facsimiles shall be sent to WESTON within prescribed TAT, to be followed by full data package within seven (7) days from the "receipt of samples by the laboratory". Full data packages shall be delivered to WESTON within 7 days for both 3-day and 7-day TAT.
- (2) Non-shaded areas depict TAT requested for sample. Please complete both shaded and non-shaded areas.
- (3) Do not include shaded area pricing in Total.
- (4) Samples are approximate only. Actual number will vary depending on field conditions.

# ATTACHMENT II PRICE PROPOSAL FORM SENECA ARMY DEPOT

Contract No. DACA87-97-D-0005

- (5) Rates to be valid for duration of project.
- (6) Quotes to be provided by close of business Friday 11 September 98.
- (7) Above quantities include duplicates and MS/MSDs.
- (8) Trip blanks and rinsate blanks are included in the above quantities.

OFFEROR'S BUSINESS NAME:	
ADDRESS:	
AUTHORIZED COMPANY OFFICIAL:	
AUTHORIZED COMPANY OFFICIAL:	
DATE	·

### EXHIBIT I DATA VALIDATION

Data validation will be completed by a WESTON chemist after the data packages have been received from the contract laboratory.

The validation procedure to be employed will consist of the following activities:

- Review of chain-of-custody documents to verify sample identities;
- Review of sample log-in documents to verify any potential problems with custody seals, container integrity, sample preservation, labeling, etc.;
- Review of trip blank data to identify any potential problems with sample container contamination, preservative contamination, laboratory reagent water contamination, or cross-contamination between samples during transport;
- Review of method blank data to determine the presence of any sources of contamination in the analytical process;
- Review the matrix spike (MS) data to evaluate the potential for matrix effects and as a measure of analytical accuracy. MS recoveries will be compared against laboratory acceptance criteria to determine if they are within or outside of warning and control limits for percent recoveries;
- Review of matrix spike/matrix spike duplicate (MS/MSD) data to evaluate sample homogeneity and as a measure of analytical precision. MS/MSD data will be compared to laboratory acceptance criteria for the maximum relative percent difference (RPD);
- Review of any blank spike (BS) data (if available) as a measure of analytical accuracy. BS recoveries will be compared against laboratory acceptance criteria to determine if they are within or outside of warning and control limits for percent recoveries;
- Review of blank spike and blank spike duplicate (BS/BSD) data (if available)
  as a measure of analytical precision. BS/BSD data will be compared to
  laboratory acceptance criteria for the maximum RPD;
- Review of standard reference material (SRM) or laboratory control sample (LCS) data (if available) as a measure of analytical accuracy. SRM and LCS data will be compared to the certified acceptable ranges of analytical values;

- Review of sample and sample duplicate data (if available) as a measure of sample homogeneity and as a measure of analytical precision. Sample and sample duplicate data will be compared against the laboratory acceptance criteria for the maximum RPD;
- Review of surrogate recovery data to access extraction efficiency, effectiveness of sample introduction, and possible loss during cleanup activities. Surrogate recoveries will be compared to laboratory acceptance criteria to determine if they are within or outside of acceptable limits; and
- Review of sample dates, extraction/digestion dates, and analysis dates to determine if maximum holding times were met or exceeded.

### **ATTACHMENT I**

SCOPE OF WORK

ORIGINAL RFP (15 JULY 1998)

#### ATTACHMENT I

#### REQUEST FOR QUOTE

#### ANALYTICAL LABORATORY SERVICES SENECA ARMY DEPOT ACTIVIY SENECA, NY

Roy F. Weston, Inc. (WESTON) is seeking laboratory analytical services for the soil remediation project in Seneca, New York. Services requested are discussed throughout this Scope of Work (SOW) with specific analytical services listed on the Price Proposal Form found in Attachment II.

#### 1.0 BACKGROUND

The Seneca Army Depot Activity (SEDA) is a US Army facility located in the town of Romulus, in Seneca County, New York. SEDA occupies approximately 10,600 acres. SEDA's primary mission has been the receipt, storage, maintenance, and supply of military items. This function includes the disposal of ammunition and explosives by burning and detonation. These activities were conducted at the Open Burning (OB) grounds. The Open Burning (OB) grounds comprise an area of approximately 30 acres within the northern section of the (SEDA). Located within this area are nine separate burning pads upon which munitions wastes were open-burned until 1987. The burn pads are built on top of natural glacial till soils. Previous investigations of the OB grounds show high concentrations of metals in the soil. As a result of the high concentration of metals in the soil a removal action has resulted.

Sampling of the soils will be required to identify the concentrations in the removed soil. Upon the identification of the metals concentrations in the soil, proper disposal of soils will occur. Confirmation sampling will be required prior to backfilling excavations. Samples will be collected and sent daily for the duration of the project.

#### 2.0 ANALYTICAL SERVICES

The SUBCONTRACTOR shall provide all labor, equipment, and materials for performing the analytical services listed on the Price Proposal Form (Attachment II) and discussed below.

#### 2.1 Reporting Requirements

In addition to the analytical services requested, the following reporting requirements shall be adhered to:

1

• If compounds are detected in the method blanks, the appropriate data flag

shall be noted for affected analyses in the samples. As with the LCS, the analyst must review and approve the integrity of the method blanks prior to submittal.

- Surrogate Recoveries must be reported for GC and GC/MS methods.
- Organics and Inorganics will be reported separately.
- The practical quantitation limit (PQL) must be used for the lowest calibrator on time curve as a minimum.
- The full list requested must be reported, even if nothing is detected. The non-detect results must be accompanied by an actual result (i.e. <PQL).
- Surrogate recovery acceptance guides must be provided for each sample.

#### 2.2 Data Packages

The unit pricing in the Price Proposal Form (Attachment II) must also include the cost associated with the processing, reducing, printing, reprinting, and delivery of the data packages including:

- A copy of the signed chain-of-custody form showing the date and time of sample receipt in the laboratory.
- A cross-reference of field sample numbers to laboratory sample numbers.
- A cross-reference comparing field samples with applicable QC information.
- A list of PQLs.
- A sample data summary sheet.
- A QA/QC report providing data (where applicable) on method blanks, surrogate recoveries, laboratory duplicates, matrix spikes, and matrix spike duplicates and discussing the corrective action(s) implemented whenever the laboratory controls are exceeded. QA/QC information provided should be sufficient to support ACOE validation of data in accordance with Exhibit I.
- Where applicable, copies of the chromatograms for all samples.
- For GC analysis, a separate data report shall be provided for each confirmational analysis. Any subcontracted work will be transposed to a format that is consistent with the rest of the report.
- A sample receipt sheet/log is required to be submitted by facsimile to WESTON after logging samples into the laboratory's data tracking system.

This sheet must include at a minimum, samples received cooler temperature, assured agreement between the chain-of custody and the sample bottles, determination of custody seal(s) condition, time and date of receipt, received by, and comments including discrepancies and resolution.

#### 2.3 Sample Collection and Preparation Materials

Unit rates must include the following:

- Sample bottles containing preservatives appropriate for the analyses to be conducted plus 10% extra for breakage.
- Custody seals.
- Bottle preparation (cleaning, teflon liners, and preservatives) and preparation certificate.
- Cleaning certificate for each suite of sample bottles per Environmental Protection Agency (EPA) standards.
- Shipping coolers and blue ice, including shipment to site.
- Ten gallons of ASTM Type II reagent with analysis certificates.
- Submittal of laboratory SOP per analysis.
- Sample Disposal
- Providing assistance to WESTON in the development of project plans, including the Sampling and Analysis Plan (SAP), and more specifically, the Quality Assurance Project Plan (QAPP). See section 4.0 for a more detailed description of the laboratory requirements for the QAPP.

#### 3.0 CERTIFICATION REQUIREMENTS

The selected laboratory shall be required to submit proof of certification with the U.S. Army Corps of Engineers. In particular, the laboratory shall be approved for each analysis by the USACE Missouri River Division (MRD).

In addition, the laboratory shall meet the approval and certification required by the State of New York Department of Environmental Conservation (NYDEC). Each certification shall be maintained throughout the project length (estimated at June 1998 - November 1998).

#### 4.0 DEVELOPMENT OF PROJECT PLANS SUBSEQUENT TO CONTRACT

#### **AWARD**

The selected laboratory will be responsible for other submittals/assistance to WESTON following contract award. The items for which the contract laboratory will be responsible include, but are not limited to the following items:

- Completion of a table which lists the matrix, analytical method, each analyte, PQL, MDL, %R, %RSD, and % Valid Data (Completeness, which will be required at 95%). The completed table shall be submitted to WESTON within one week of contract award.
- Submittal of all applicable laboratory SOPs which are not already on file with MRD. This includes SOPs, which were previously submitted, but have been altered since the submittal. This also includes SOPs for which MRD certification has lapsed. SOPs shall be submitted within one week of contract award.
- Submittal of relevant surrogate recovery information for all applicable analytical methods. Surrogate information shall be provided within one week of contract award.
- Submittal of relevant corrective action procedures as described in EM 200-1-3.
   Corrective action procedures shall be submitted within one week of contract award.
- Assistance with completion of a project-specific Quality Assurance Project Plan.
  WESTON will provide a template. The laboratory shall add all necessary labspecific QAPP information within 1 week of contract award.
- Submittal of sample container, holding time, and preservation requirements for all
  applicable analytical methods. Sampling information shall be provided within
  one week of contract award.

#### 5.0 CLARIFICATIONS

Subcontractor is responsible for meeting required reporting thresholds. Results shall be faxed within three days from sample log-in, and followed by sample reports within seven days from sample log-in. Due to the time critical nature of this project, delays in reporting criteria, will result in non-payment for those samples which did not meet the deadlines. Any exceptions shall be discussed with the Project Manager or Quality Control Manager prior to being submitted in order to approve any late submittals.

# ATTACHMENT II PRICE PROPOSAL FORM

#### ADDENDUM 01

#### ANALYTICAL LABORATORY SERVICES SENECA ARMY DEPOT ACTIVITY SENECA, NY

The following response to bidders comments are summarized by Roy F. Weston, Inc. (WESTON) in order to clarify pertinent issues involving analytical questions. The deadline for Request for Quote, has been extended to 23 July 1998 instead of 21 July 1998. A copy of this addendum must be signed and returned with the Bid Form, all pricing will reflect comments listed below.

- 1. Must the extractions for SVOC/ Pest/ PCB be performed by Soxhlet per the Army Corps protocols? Yes
- 2. Do metals require multi-point calibrations as specified in the Army Corps protocols? Yes
- 3. Is it acceptable to substitute 7240 (FAA) in place of 6010 for Total Lead in Soil? Yes
- 4. **Are there any Project-specific detection limits?** Detection limits for all analysis will be based on those set by EPA Contract Lab Program standards and TCLP Regulatory Limits. Please provide proposed reporting limits for explosives.
- 5. Which metals should be analyzed for in Total Metals Analysis? For soil, bulk, and wipe samples, total metals shall include the 8 RCRA metals. Water samples shall be analyzed for priority pollutant metals (13).
- 6. Will you be collecting soil volatiles by Method 5035 for field preservation? No, these samples are for waste characterization purposes only. Method 5030 for field preservation will be used.
  OFFEROR'S BUSINESS NAME:

Off EROR 5 DOSINESS NAME.	
ADDRESS:	
AUTHORIZED COMPANY OFFICIAL:	
AUTHORIZED COMPANY OFFICIAL:	
DATE:	

Very truly yours.

ROY F. WESTON. INC.

Dominic A. Mattioni Buyer III

cc: C. Kane (Project File)
Procurement File

### SUBCONTRACTOR'S/VENDOR'S BID PROPOSALS



55 South Park Drive, Colchester, Vermont 05446 Phone: (802) 655-1203 Fax: (802) 655-1248

#### Facsimile Transmittal Cover Sheet

To:

Tony Delano

From:

Jim Madison

Company:

Weston

Company:

ITS Environmental

Fax Number: 603-656-5401

Fax Number: 802-655-1248

Date:

8/11/98

Pages (including cover): 5

Tony:

Here is our response to Addendum 02 for Seneca. All of our exceptions in the original proposal still apply. Please call with any questions.

Jim.

Confidentiality Notice:

The information contained in the Facsimile message is privileged and confidential information intended only for the use of the addressee. If the render of this message is not the intended recipient, or the employee or agent responsible to deliver it to the intended recipient, you are hereby potified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify as immediately by tolephone and return the original message to us at the above address via the U.S. Postal Service. Thank you.

SEP-11-98 FRI 08:32 AM STL BURLINGTON VT SENT BY:ROY F. WESTON, INC. : 9-10-98 :11:03AM :

802 655 1248:# 2/12

10 September 1998

#### ADDENDUM 02

#### ANALYTICAL LABORATORY SERVICES SENECA ARMY DEPOT ACTIVITY ROMULUS, NY

Addendum 02 to the Analytical Laboratory Services Request for Proposal (RFP) for work at the Scheen Army Depot Activity includes changes to Attachments I and II to the original RFP which was issued on 15 July 1998. The revised copies of the Attachments are included herein. The deadline for this RFP is now 4:00 p.m. 11 September 1998. Bidders may return completed forms via facsimile. A copy of this addendum must be signed and returned with the Bid Form. The original cover letter, Attachment III (Instructions for Proposal Preparation and Evaluation), Attachment IV (Offeror's Representations and Certifications), and Attachment V (Sample Subcontract Agreement) to this bid package remain applicable.

OFFEROR'S BUSINESS NAME:

ADDRESS:

Seven Trent Laboratores

55 South Park Drive

Golchester VT, 05446

AUTIORIZED COMPANY OFFICIAL: AUTHORIZED COMPANY OFFICIAL:

DATE:

James Madison

Very truly yours,

RQY F. WESTON, INC.

Dominic A. Mattioni

Buyer III

co: C. Kane (Project File)
Procurement File

#### ATTACHMENT II PRICE PROPOSAL FORM SENECA ARMY DEPOT

Contract No. DACA87-97-D-0005

Analysis	Method	QTY	Unit Price (3-day TAT)	Unit Price (7-day TA'I)
Soil Mutrix			(5 34) 1/11)	( -day 1/11)
Total Lead	6010	920	NA	W. 1942 - 3 0 1 1 1 1
Mctals (ICLP)	1311/6010	135	NA	130
TCLP Load	1311/6010	4	NA	
VOCs	8260B	78	180	
SVOCs 1	8270C	78	NA	
PCB	8082	48	NA	
Pesticides	8081A	78	NA	
Full (TCLP)	1311	17	NA	
Reactivity	SW846- 7.3.3.2/7.3.4.2	2	150	90
Ignitibility	1010	2	80	
Corrosivity	9045	2	20	
Percent Moisture	2540G	2	20	
Paint Filter	9095	2	20	
TAL Metals	6-7000 series	48	NA	
Explosives	8330	46	NA	41.5.4(20)
Water				
VOC	8260B	90	180	HE 2 2
SVOC	8270C	50	NA	
Pesticides	8081A	50	NA	14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
PCBs	8082	20	NA	
TAL Metals	6-7000 series	50	NA	MANA JOSOF
Lead	6-7000 scries	20	NA	
Explosives	8330	20	NA	AND RESERVED

Wipe Samples				
Ignitabililty	1010	8	80.1.4	40
Corrosivity	9045	8		10
Reactivity	SW846- 7.3.3.2/7.3.4.2	8	50	100
VOC .	8260B	8		130
SYOC	8270C	8		350
PCB	8082	8		135
Pesticide	8081A	8		135
TAL Metals	6-7000 series	20		150
Bulk Samples	<u></u>			
Ignitability	1010	2		40
Reactivity	SW846- 7.3.3.2/7.3.4.2	2		100
Corrosivity	9045	2		10
PCB	8082	2		135
Pesticide	8081A	2		135
VOC	8260B	2		130
SVOC	8270C	2		350
TCLP (Metals)	1311/6010	2		130
Air Samples				
Total Metals	6010	36		150
TOTALS			NA	200,950

#### Notes:

- (1) TAT = turn-around time. Refers to the "submission of analytical data to WESTON by the laboratory." For three (3) day TAT, data facsimiles shall be sent to WESTON within prescribed TAT, to be followed by full data package within seven (7) days from the "receipt of samples by the laboratory". Full data packages shall be delivered to WESTON within 7 days for both 3-day and 7-day TAT.
- (2) Non-shaded areas depict TAT requested for sample. Please complete both shade 1 and non-shaded areas.
- (3) Do not include shaded area pricing in Total.
- (4) Samples are approximate only. Actual number will vary depending on field conditions.

NA = Not Available

\* Prices Valid For 60 days. If award is made within a screen anominemental properties with the properties of project.

FAX NO. 802 655 1248

P. 05

16036565501-

802 655 1248:#10/12

#### ATTACHMENT II PRICE PROPOSAL FORM SENECA ARMY DEPOT Contract No. DACA87-97-D-0005

Rutes to be valid for duration of project. (5)

- Quotes to be provided by close of business Friday 11 September 98. (6)
- (7)
- Above quantities include duplicates and MS/MSDs.

  Trip blanks and rinsate blanks are included in the above quantities. (8)

OFFEROR'S BUSINESS NAME:	Seven Trent Laboratories (Formally ITS
ADDRESS:	55 Sooth Pale Dine
AUTHORIZED COMPANY OFFIC	TAL: Machine
AUTHORIZED COMPANY OFFIC	IAL: James Madison
	DATE: 9/10/18

#### **FAX COVER SHEET**

#### CONFIDENTIALITY NOTICE

This facsimile transmission is intended only for the use of the individual or entity to which it is addressed, and may contain confidential information belonging to the sender. If you are not the intended recipient, you are hereby notified that any disclosure, copying, distribution, or the taking of any action in reliance on the contents of this information is strictly pronibited. If you have received this transmission in error, please immediately notify us by telephone to arrange for the return of these documents.

REC Lab	CRA Net			0 / 00
a division of Re	ora Environmental, Inc.		DATE	9/11/98
208 Welsh P Lionville, PA Phone: Fax:			TIME:	(including cover sheet)
		TO:	ony P	elano
250 000 1200		OF:	l .	
744 MA RO 1723 THE SO 518 DOI SOL		FAX #:	603-	656-540   De-Ruzzo
		FROM:	Gail	DeRuzzo
COPY TO:				SPECIAL INSTRUCTIONS:
				Confidential Urgent Please Reply
Send Origina	ai? □ No	☐ Regular M ☐ Overnight		☐ For Your Information
MESSAG	E: Sereca	AD Ada	leaden # 2	2 les ponse
				/

10 September 1998

#### ADDENDUM 02

#### ANALYTICAL LABORATORY SERVICES SENECA ARMY DEPOT ACTIVITY ROMULUS, NY

Addendum 02 to the Analytical Laboratory Services Request for Proposal (RFP) for work at the Senecu Army Depot Activity includes changes to Attachments I and II to the original RFP which was issued on 15 July 1998. The revised copies of the Attachments are included herein. The deadline for this RFP is now 4:00 p.m. 11 September 1998. Bidders may return completed forms via facsimile. A copy of this addendum must be signed and returned with the Bid Form. The original cover letter, Attachment III (Instructions for Proposal Preparation and Evaluation), Attachment IV (Offeror's Representations and Certifications), and Attachment V (Sample Subcontract Agreement) to this bid package remain applicable.

OFFEROR'S BUSINESS NAME:

Recra Environmental, Inc.

J. Michael Maylor, Vice President

ADDRESS:

208 Welsh Pool Road

Lionville, PA 19341

AUTHORIZED COMPANY OFFICIAL:

**AUTHORIZED COMPANY OFFICIAL:** 

11 September 1998

DATE:

Very truly yours,

ROY F. WESTON, INC.

Dominic A. Mattion

Buyer III

co: C. Kanc (Project File)

Procurement File

# ATTACHMENT II PRICE PROPOSAL FORM SENECA ARMY DEPOT

Contract No. DACA87-97-D-0005

Analysis	Method	QTY	Unit Price	Total Price	Unit Price	Total Price
			(3-day TAT)	(3-day TAT)	(7-day TAT)	(7-day TAT)
Soil Matrix						
Total Lead	6010	920	\$16	\$14,720	\$12.	STIME OF
Metals (TCLP)	1311/6010	135	\$145	\$19,575	9110	
TCLP Lead	1311/6010	4	\$30	\$120	\$20	100
VOCs	8260B	78	\$125	\$9.750	\$100	<b>A. 1990</b>
SVOCs	8270C	78	\$250	\$19,500	\$190	
РСВ	8082	48	\$105	\$5,040	\$80	896×10
Pesticides	8081A	78	\$130 /	\$10,140	\$100	STATE
Full TCLP	1311	17	\$800	\$13.600	\$750	\$12.50
Reactivity	SW846- 7.3.3.2/7.3.4.2	2	\$80	\$160 \$70		3140
Ignitibility	1010	2	\$40	\$80 \$30		\$60
Corrosivity	9045	2	\$10	\$20	\$8	<b>\$</b> 416
Percent Moisture	2540G	2	\$10	\$20	\$8	\$18
Paint Filter	9095	2	\$19	\$38	\$15	\$30
TAL Metals	6-7000 series	48	\$145	\$6,960	\$110	\$6.280
Explosives	8330	46	\$150	\$6,900	\$120	\$5,520
Water						
voc	8260B	90	\$125	\$11,250	\$100	\$9:000
svoc	8270C	50	<b>\$25</b> 0	\$12,500	5190	\$9,500
Pesticides	8081A	50	\$130	\$8,500	\$100	\$5,000
PCBs	8082	20	\$105	\$2.100	\$80	84 600
TAL Metals	6-7000 series	50	\$145	\$7.250	\$1:10	\$5,500
Lead	6-7000 series	20	\$18	\$320	\$12	5240
Explosives	8330	20	\$150	\$3,000	\$120	\$2,400

Wipe Samples						
Ignitibility	1010	8	\$40	\$320	\$30	\$240
Corrosivity	9045	8	\$10	\$80	\$8	\$64
Reactivity	SW846- 7.3.3.2/7.3.4.2	8	\$80	\$640	\$70	\$560
VOC	82608	8	\$125	\$1,000	\$100	\$800
SVOC	8270C	8	\$250	\$2,000	\$190	\$1,520
PCBs	8082	8	\$105	\$840	\$80	\$640
Pesticides	8081A	8	\$130	\$1,040	\$100	\$800
TAL Metals	6-7000 series	20	\$145	\$2,900	\$110	\$2,200
Bulk Samples						
ignitibility	1010	2	\$40	\$80	\$30	\$60
Reactivity	SW846- 7.3.3.2/7.3.4.2	2	\$80	\$160	\$70	\$140
Carrosivity	9045	2	\$10	\$20	\$8	\$16
PCBs	8082	2	\$105	\$210	\$80	\$160
Pesticides	8081A	2	\$130	\$260	\$100	\$200
VOC	8260B	2	\$125	\$250	\$100	\$200
SVOC	8270C	2	\$250	\$500	\$190	\$380
TCLP Metals	6-7000 series	2	\$145	\$290	\$110	3220
Air Samples			·			
Total Metals	6010	36	\$145	\$5,220	\$110	\$3,960
TOTALS:			3-day TAT	\$149,543	7-day TAT	\$12,160

#### Notes:

- (1) TAT-turnaround time. Refers to the "submission of analytical data to WESTON by the laboratory." For three (3) day TAT, data facsimiles shall be sent to WESTON within prescribed TAT, to be followed by full data package within seven (7) days from the "receipt of samples by the laboratory." Full data packages shall be delivered to WESTON within 7 days for both 3-day and 7-day TAT.
- (2) Non-shaded areas depict TAT requested for sample. Please complete both shaded and non-shaded areas.
- (3) Do not include shaded area pricing in Total
- (4) Samples are approximate only. Actual number will vary depending on field conditions.

# ATTACHMENT II PRICE PROPOSAL FORM SENECA ARMY DEPOT

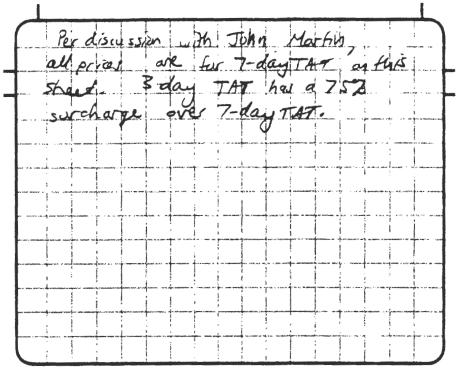
Contract No. DACA87-97-D-0005

- (5) Rates to be valid for duration of project.
- (6) Quotes to be provided by close of business Friday 11 September 98.
- (7) Above quantities include duplicates and MS/MSDs.
- (8) Trip blanks and rinsate blanks are included in the above quantities.

OFFEROR'S BUSINESS NAME:	Reca	a Env	Lronme	ental,	Inc.		
ADDRESS:	208	Welsh	Pool	Road,	Lionville,	PΛ	19341
AUTHORIZED COMPANY OFFICE	IAL:	AM	Noha	1/4	6		
AUTHORIZED COMPANY OFFICE	AL:	J.	Mich	ael Ta	ylor		

DATE: 11 September 1998

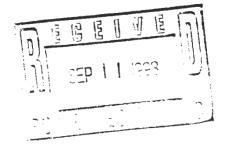
# PAL... Presentation Aid Layout Frame







Quotation Number: 98-07-118JM (rev.1) Quotation Prepared For:



ISO-9001 Certified Celebrating 20 Years of Excellence

Dominic Mattioni **Roy F. Weston**1 Milk Street

Manchester. NH 03101-1501
603-656-5400/ Fax 603-656-5401

Project Title: Seneca Army Depot DESCRIPTION OF SERVICES:

Test Parameter	Quantity	Unit Cost	Extended
Soils:			
Total Pb	930	15.00	13950.00
TCLP Metals	135	180.00	24300.00
VOC 8260	78	130.00	10140.00
SVOC 8270	78	250.00	<b>19500</b> .00
PCB 8082	78	65.00	5070.00
Pesticides 8081	78	100.00	7800.00
Full TCLP	17	1000.00	17000.00
Reactivity	2	35.00	70.00
Ignitability	2	20.00	40.00
Corrosivity	2	6.00	12.00
% Moisture	2	10.00	20.00
Paint Filter	2	18.00	36.00
TAL Metals	48	150.00	7200.00
Explosives 8330	46	300.00	13800.00
Water:			
VOC 8260	90	130.00	11700.00
SVOC 8270	90	250.00	22500.00
Pesticides	50	100.00	5000.00
PCB's	20	65.00	1300.00
TAL Metals	50	150.00	7500.00
Total Pb	20	15.00	300.00
Explosives 8330	20	300.00	6000.00



Wipe Samples:			
Reactivity	8	35.00	280.00
Ignitability	8	20.00	160.00
Corrosivity	8	6.00	48.00
VOC 8260	8	130.00	1040.00
SVOC 8270	8	250.00	2000.00
PCB 8082	8	65.00	520.00
Pesticides 8081	8	100.00	800.00
TAL Metals	20	150.00	3000.00
Bulk Samples:			
Reactivity	2	35.00	706.00
Ignitability	2	20.00	40.00
Corrosivity	2	6.00	12.00
VOC 8260	2	130.00	260.00
SVOC 8270	2	250.00	500.00
PCB 8082	2	65.00	130.00
TCLP Metals	2	180.00	360.00
Air Samples:			
Total Metals	36	150.00	5400.00
		Total:	188446.00

Please note: Samples arriving after noon will be tracked and billed as though they arrived the following day.

#### ADDITIONAL SERVICES:

- \* Toxikon can provide you with free sample kits (containers, coolers, cold packs, chains-of-custody, and sample preservatives)
- \* Toxikon can provide free courier transportation of samples from your office or field sampling site to our Bedford laboratory. Twenty-four to forty-eight hour notice is greatly appreciated, although we try to accommodate spontaneous requests.

#### MBE:

A registered Minority Owned Business, Toxikon offers this advantage as a bidding partner to meet government contract needs.

TUXKON			

#### TERMS:

This quote will remain in effect until December 31, 1998 unless amended. Toxikon must have client approval of the quotation prior to releasing results and issuing an invoice. Invoice terms are 30 days.

PREPARED BY:	APPROVED BY:
John A. Martin Technical Services	James C. Kinch Vice President, Business Development
Please sign and return a copy of this form to indica	te acceptance of the quotation:
Client Signature	Date



ANALYTICAL SERVICES CENTER Ecology and Environment, Inc. (E & E) 4493 Walden Avenue Lancaster, New York 14086

Telephone: (716) 685-8080 Fax: (716) 685-0852

International Specialists in the Environment

Our pleage is to provide the highest quality analytical results in a timely, efficient, and economical manner.

TELECOPIER TRANSMISSION FORM			
DATE 11 SEPTE-FIBER 1998 TIME:			
PROJECT NUMBER:	TOTAL NUMBER OF PAGES (Including Transmission Form):		
TO TONY DELAND			
COMPANY: ROY F. WESTON,			
TELECOPIER: 603-656-	5401		
FROM: ANDREW P. CL.	FTON		
SPECIAL INSTRUCTIONS:			
Please see proposal attached.			
Cover letter			
Price table (2 pages) Explosives delection limits Addendon 02 form			
Addendom 02 form			

FILL SERVICE CAPABILITY: Atomic Absorption Analysis Inductively Coupled Plasma Analysis Gas Chromatography Gas Chromatography/Mass Spectrometry High Performance Liquid Chromatography Ion Chromatography, Fourier Transform Infra-red Ultraviolet/Visible Spectroscopy Air (Canisters, Bags, Tenax, Charcoal)

TPH-BETX

Chlorophenols, AOX

Immunoassay

Nitroaromatics (Explosives), Chemical Agents

NPDES/SPDES

Soil Gas Screening (Field or Laboratory)

**TCL**P



### ecology and environment, inc.

International Specialists in the Environment

#### BUFFALO CORPORATE CENTER

368 Pleasant View Drive, Lancaster, New York 14086 Tel: 716/684-8060, Fax: 716/684-0844

Mr. Tony Delano Roy F. Weston, Inc. One Wall Street Manchester NH 03101-1501

11 September 1998.

Re: US Army Corps of Engineers. North Atlantic Division, New England District Seneca Army Depot Activity
Seneca, NY
Laboratory Analytical Services
Request for Proposal Addendum No. 2.

Dear Mr. Delano:

Ecology and Environment, Inc. (E & E) is pleased to respond to the referenced Request for Proposal (RFP) Addendum No. 2. We have amended the pricing table supplied with the original proposal dated 20 July 1998. All other items in our original proposal (including the cover letter; representations and certifications; exceptions to the sample subcontract agreement; the Corps letter detailing E & E's certification status) are not amended and remain part of E & E's proposal.

I note that Amendment No. 1 required us to supply proposed detection limits for explosives. As we omitted to provide these with the original proposal, they are attached to this submission. My understanding, based on our conversation of September 10, 1998, is that sampling will begin in late October and continue through the winter as weather allows.

If you require further information, please call me at 716-684-8060.

Sincerely,

ECOLOGY AND ENVIRONMENT, INC.

Andrew P. Clifton Principal Chemist.

# ATTACHMENT II PRICE PROPOSAL FORM SENECA ARMY DEPOT

Contract No. DACA87-97-D-0005

Analysis	Method	QTY	Unit Price Unit Price	
			(3-day TAT)	(7-day TAT)
Soil Matrix			25 40 higher	
Total Lead	6010	920	\$21	Carrier Committee Committee Committee Committee Committee Committee Committee Committee Committee Committee Co
Metais (TCLP)	1311/6010	135	\$125	
TCLP Lead	1311/6010	4	\$63	
VOCs	8260B	78	\$119	
SVOCs	8270C	78	\$244	
PCB	8082	48	\$69	
Pesticides	8081A	78	\$81	
Full TCLP	1311	17	\$838	
Reactivity	846-7.3.2.2/7.3.	2	\$63	Ann An Ch Marian
Ignitability	1010	2	\$44	
Corrosivity	9045	2	\$6	
Percent Moisture	2540G	2	\$13	
Paint Filter	9095	2	\$13	
TAL Metals	6/7000 Series	48	\$119	
Explosives	8330	46	\$138	<u>a -                                   </u>
Water				
VOCs	8260B	90	\$119	
SVOCs	8270C	50	\$244	and the second s
Pesticides	80 <b>8</b> 1A	50	\$81	
PCBs	8082	20	\$69	
TAL Metals	6/7000 Series	50	\$119	en er
Lead	6/7000 Series	20	\$21	**
Explosives	8330	20	\$138	

Wipe Samples			
Ignitability	1010	8	\$35
Corrosivity	9045	8	\$5
Reactivity	846-7.3.2.2/7.3.	8 4	\$50
VOC5	82608	8 27,	\$95
\$VOCs	3270C	8	\$195
PCB	8082	8	\$55
Pesticides	8081A	8	\$65
TAL Metals	6/7000 Series	20	\$95
Ignitability	1010	2	\$35 \$50
Reactivity	846-7.3.2.2/7.3.	2	
Corrosivity	9045	2	\$5
PCB	8082	46	\$55
Pesticides	8081A	2	\$65
VOC	8260B	2	\$95
SVOC	8270C	2	\$195
TCLP Metais	1311/6010	2	\$100
Air Samples			
Total Metals	6010	36	\$95
TOTALS		\$138,445	\$10,520

Notes

TCLP Metals limited to 20 per day/Full TCLP samples limited to 8 per day

- 1 TAT = turnaround time. Refers to the "submission of analytical data to WESTON by the laboratory," For three (3) day TAT, data facsimilies shall be sent to WESTON within prescribed TAT, to be followed by full data package within seven (7) days from the "receipt of samples by the laboratory." Full data packages shall be delivered to WESTON within 7 days for both 3-day and 7-day TAT.
- 2 Non-shaded areas depict TAT requested for sample. Please complete both shaced and non-shaded areas.
- 3 Do not included shadoo area pricing in Total.
- 4 Samples are approximate only. Actual numbers will vary depending on field conditions.
- 5 Rates to be valid for duration of project.

OFFERORS BUSINESS NAME:

Ecology and Environment Inc.

ADDRESS:

Analytical Services Center

4493 Walten Avenue, Jancaster NY 14085

AUTHORIZED COMPANY OFFICIAL:

DATE:

11-Sep-98

# TARGET COMPOUNDS AND QUANTITATION LIMITS

		MDLs	I.s	PQL	L
		Water	Soil	Water	Soil
Compound	Type	(hg/L)	(mg/kg)	(mg/L)	(mg/kg)
	T,S,L	0.080	0.0453	1.0	1.0
	T,S,L	0.059	0.0595	0.1	1.0
8	T,S,L	0.053	0.0617	0.25	0.25
	T,S,L	0.307	0.107	1.0	1.0
	T,S,L	060'0	0.0226	0.25	0.25
	T,S,L	0.215	0.112	0.3	0.25
ene	T,S,L	0.161	0.0577	1.0	1.0
	T,S,L	0.177	0.118	0.5	0.25
	T,S,L	0.106	0.0718	0.3	0.25
eue	T,S,L	0.147	0.0967	0.1	0.25
nene	T,S,L	0.167	0.205	1.0	0.25
nene	T,S,L	0.173	0.102	1.0	0.25
DNT	T,S,L	0.209	0.148	0.5	1.0
DNT	T,S,L	0.333	0.218	0.5	1.0

16036565501:# 6 /156850852:= 2 10

10 September 1998

## ADDENDUM 02

# ANALYTICAL LABORATORY SERVICES SENECA ARMY DEPOT ACTIVITY ROMULUS, NY

Addendum 02 to the Analytical Laboratory Services Request for Proposal (RFP) for work at the Scheca Army Depot Activity includes changes to Attachments I and II to the original RFP which was issued on 15 July 1998. The revised copies of the Attachments are included herein. The deadline for this RFP is now 4:00 p.m. 11 September 1998. Bidders may return completed forms via facsimile. A copy of this addendum must be signed and retuned with the Bid Form. The original cover letter, Attachment III (Instructions for Proposal Preparation and Evaluation). Attachment IV (Offeror's Representations and Certifications), and Attachment V Samme Subcontract Agreement) to this bid package remain applicable.

OFFEROR'S BUSINESS NAME:

ADDRESS:

Ecology & Environment, Inc.

4493 Walden Avenue

14086 Lancaster, NY

AUTHORIZED COMPANY OFFICIAL:

AUTHORIZED COMPANY OFFICIAL:

DATE:

Andrew P. Clifton

September 11, 1998

Very truly yours.

ROY F. WESTON, INC.

Buyer III

cc: C. Kane (Project File) Procurement File

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ANALYTICAL SERVICES CENTER Ecology and Environment, Inc. (E & E) 4493 Walden Avenue Lancaster, New York 14086 Telephone: (716) 685-8080 Fax: (716) 685-0852

Our pledge is to provide the highest quality analytical results in a timely, efficient, and economical manner.

International Specialists in the Environment

TELECOPIER TRA	ÍNSMISSION FORM
DATE: September 11, 1998	TIME:
PROJECT NUMBER:	TOTAL NUMBER OF PAGES (Including Transmission Form):
TO: TONY Delayo	
COMPANY: ROY F WESTON FAC	
TELECOPIER: 603 (56 540)	
FROM: ANDIEW P Clifton	
SPECIAL INSTRUCTIONS:	
Tremover the outlines fear Areas so that they are s Now shared areas.	m the previously shapes
I Areas so that they Are s	still accessions them the
NOW SHADED APPLS.	

FULL SERVICE CAPABILITY: Atomic Absorption Analysis Inductively Coupled Plasma Analysis Gas Chromatography Gas Chromatography/Mass Spectrometry High Performance Liquid Chromatography Ion Chromatography, Fourier Transform Infra-red Ultraviolet/Visible Spectroscopy Air (Canisters, Bags, Tenax, Charcoal)

Chlorophenols, AOX Immunoassay Nitroaromatics (Explosives), Chemical Agents NPDES/SPDES Soil Gas Screening (Field or Laboratory) TCLP TPH-BETX

# ATTACHMENT II PRICE PROPOSAL FORM SENECA ARMY DEPOT

Contract No. DACA87-97-D-0005

Analysis	Method	QTY	Unit Price	Unit Price
			(3-day TAT)	(7-day TAT)
Soil Matrix				
Total Lead	6010	920	\$21	\$17
Metals (TCLP)	1311/6010	135	\$125	<b>\$10</b> 0
TCLP Lead	1311/6010	4	\$63	\$50
VOCs	8260B	78	\$119	\$95
SVOCs	8270C	78	\$244	\$195
PCB	8082	48	\$69	\$55
Pesticides	8081A	78	\$81	\$65
Full TCLP	1311	17	\$838	\$670
Reactivity	846-7.3.2.2/7.3.	2	\$63	\$50
Ignitability	1010	2	\$44	\$35
Corrosivity	9045	2	\$6	\$5
Percent Moisture	2540G	2	\$13	\$10
Paint Filter	9095	2	\$13	\$10
TAL Metals	6/7000 Series	48	\$119	\$95
Explosives	8330	46	\$138	\$110
Water				
VOCs	8260B	90	\$119	\$95
SVOCs	8270C	50	\$244	\$195
Pesticides	8081A	50	\$81	\$65
PCBs	8082	20	\$69	\$55
TAL Metals	6/7000 Series	50	\$119	\$95
Lead	6/7000 Series	20	\$21	\$17
Explosives	8330	20	\$138	\$110

TOTALS			\$138,445	\$10,520
Total Metals	6010	36	\$119	\$95
Air Samples				
TCLP Metals	1311/6010	2	\$125	\$100
SVOC	8270C	2 2 2 2	\$244	\$195
VOC	82 <b>60</b> B	2	\$119	595
Pesticides	8081A	2	\$81	\$65
PCB	8082	2	\$69	\$55
Corrosivity	9045	2	\$6	\$5
Reactivity	846-7.3.2.2/7.3.	2	\$63	\$50
Ignitability	1010	2	\$44	\$35
Bulk Samples				
TAL Metals	6/7000 Series	20	\$119	\$95
Pesticides	8081A	8	\$81	\$65
PCB	8082	8	\$69	\$55
SVOCs	8270C	8	\$244	\$195
VOCs	8260B	8	\$119	\$95
Reactivity	846-7.3.2.2/7.3.	8	\$63	\$50
Corrosivity	9045	8	\$6	\$5
		8	\$44	\$35

### Notes

TCLP Metals limited to 20 per day/Full TCLP samples limited to 8 per day

- 1 TAT = turnaround time. Refere to the "submission of analytical data to WESTON by the laboratory." For three (3) day TAT, data facsimilies shall be sent to WESTON within prescribed TAT, to be followed by full data package within seven (7) days from the "receipt of samples by the laboratory." Full data packages shall be delivered to WESTON within 7 days for both 3-day and 7-day TAT.
- 2 Non-shaded areas depict TAT requested for sample. Please complete both shaded and non-shaded areas.
- 3 Do not included shaded area pricing in Total,
- 4 Samples are approximate only. Actual numbers will vary depending on field conditions.
- 5 Rates to be valid for duration of project.

OFFERORS BUSINESS NAME:	Ecology and Environment Inc.
ADDRESS:	Analytical Services Center 4493 Walden Avenue, Lancaster NY 14085
AUTHORIZED COMPANY OFFICIAL:	
DATE:	11-Sep-98

# TASK 1300 CONTROL AND DIVERSION OF WATER

		,	VVL35		Į.	9	SHEET / o	f
CLIENT/SUE	BJECT _ ಲೆಲ್	MAE / S	Chera PINP.	ESIGNERS CONSULTANTS			10	
	RIPTION					TASK	NO	
PREPARED	BY T. D	elano	DEPT 12-2	_ DATE	9/16/23	А	PPROVED BY	
MATH CHEC	CK BY		DEPT	_ DATE _				
METHOD RE	EV. BY		_ DEPT	_ DATE _		DEPT	DATE	
Institut	ation of	Modu	Tanks (320	720)				
Male			21914		1, 100	<del>-</del>		\$2,200
	500.00	x - galler	Tank Realed				* A	
	<b>B</b> ,		05/+ + 5 (43		j+·5(8)	2,019/10)	= 728,623	<u></u> -
			rom Nov 98 - 1 er purchase				\$ 5,705	
		eotextile	'	price			\$ 2,240	•••
		Colour	The street		Stal	· · · · · · · · · · · · · · ·		\$ 35,568
	250,000	-gallon	Tont Rental					:
			eposit +5/12	000)+5	(4,373)	= '	\$19,225	
		omil line				=	#3,275	
	6	eotextile	underlay				#1,190	
				6			,—	23,690
	Duct To	pe	<u> </u>	/ 45 @		<b></b>	\$\$ \$61,9	
				18	STAL		201/9	=
								· · · · · · · · · · · · · · · · · · ·
Egupment	t 1500 one	d 250K H	ented					
0 1	1 4	-ULL fe	12days				\$ 3,00	0
	Fue	35gal,	of 12days lday 212day x	#1.25/ga	·L	·····	\$ 525	:
Labor						: · · · · · · · · · · · · · · · · · · ·	Total \$ 3	322
	crew is	4 labor	ers w/supervision	n by WES	570N	( for 250	4) (for 5)	ock tenk)
	wain to					Day	<u>-</u>	<del>by</del> s
		dutank Con				2/3		/
		out Cabl				7/3		25
			ngle Frames			/3		0.5
÷			locks chargle	Hames		1/3	,	0,5
<u> </u>	Install W				·	1/3		0.5
			Planel seams				/	. s Z
	Install in	mec and	Plastic Caps	can ad	outside a			1
		wille) Da	Mat, trim line	010000	TOTAL			,
RFW 10-05-003/	A-5 85			* ***		30	lar I	days

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512-5643

	W.E.	JUN.	S	SHEET Z of
CLIENT/SUBJECT (ENAE)	Sonora Pi	20.	W.O. N	0
TASK DESCRIPTION			TASK	NO
PREPARED BY T. De laso	_ DEPT	2 DATE 9/16/	TT AI	PPROVED BY
MATH CHECK BY	_ DEPT	DATE		
METHOD REV. BY	_ DEPT	DATE	DEPT	DATE
Labor (contid)				
4 laborers x Note: Deposit for Moduta	nts togo u	nder Installati	es, remaine	480 hr
rental fee to gourder which will be \$12	WWT = 28,623 - 3	peration and mais 3,028 = \$2 2,060 = \$17	5,575 for 7,165 for	20-40), 5004 tank and 250 4 tank
Su, total Materials \$61,	under tas 958 - 2	4 1320-20 U 5,595 - 17,	will be 165=	<u># 19, 198</u>
WWT Plant Pilot Test (	includes Se	etup) (1320	-30)	
Materials				
Mob / Shipping of	Treatment	Unit		\$600
Weekly Rental 1 st weeks bags	1 Stweek St	etup, lweelt p		<b>₽</b> 8∞
	nam	hr		:
<i>24</i> 0,000	gallons & 15ac 2,000	9 E 120ba	gs × \$6/600	<b>\$</b> 720
Flow meter		······································		\$ 650
Miscellaneous fifth	ngs, tools, a	nd materials		#1,000
Hoses Zoo'x	100	1 Suchen hose	d connedus)	#345
1 pump @ \$32	5/mo x	1/4 =		\$ 100
Fuel			Total	8 4315
Equipment (assume LULL	from Mode	Josh Setup to be	ripd	80



( m , d ,	VA LAGERS	EESYGMERS CONSULTANTS		SHEET of
CLIENT/SUBJECT ENTRY			W.O.	NO
TASK DESCRIPTION Estmate	2		TAS	K NO
PREPARED BY T. De land	DEPT <u>/242</u>	DATE <u> </u>	16/43	APPROVED BY
MATH CHECK BY	DEPT	DATE		
METHOD REV. BY	DEPT	DATE	DEPT_	DATE
WINT Plant Pobt test	(contid)			
Labor				
1 st week	set p and			
2	laborers x	50 hrs/40	ech x lweetr	= 100 hrs
Zna weels	( week ofpile			
	1/abors X	Sohrs		= 50 hrs
			Total	= 150 hcs
Excavation Dewaking	(1310-30)			
Excavation sewatering	(1710-38)			
Materials			:	
hase 2,000	' x BIIS / 1	100' (includes	s fittings/com lings	·) \$73∞
Pumps 2,3"p				# 3,900
Miscellaneous pa				\$1,000
•	vs /week x 26			\$ 1,430
Tank. 1,21,000,9	rally fractante: D	Elivery \$72	thr * 6hrx2	*86 <b>4</b>
Rental 31,	ocomo + 6m	ى ر		\$6,000
Equipment			- · · · · · · · · · · · · · · · · · · ·	5,494
front - end 1	cader to move	i haves a	nel purps	#0
	(COSTS M 0			400
	r trucks +			#58,800
Fuel So	gal/dayx 2 XS	×26. ×1	25/gal	\$16,250 \$90,544
	Total	:	<u>.</u>	450347
Lalence	· · · · · · · · · · · · · · · · · · ·			
Labor 2 labouers	x 50 ms/wer	1 × Z6	wooks	2600 hours
	+25 1/5/wee			13-00 has
	1 23 1134.000			
		: : : : : : : : : : : : : : : : : : :		
		<u> </u>	· · · · · · · · · · · · · · · · · · ·	
			·i	
RFW 10-05-003/A-5/85 512-5643				



	1		
SHEET		of	

CLIENT/SUBJECT	ELLAE ISPAPA	VANAGERS TEST	MERS/CONSULTANTS	5F W.O. NO	
TASK DESCRIPTION	contern is	camer		TASK N	10
PREPARED BY To			DATE 3/16/98	API	PROVED BY
MATH CHECK BY	DEI	PT	DATE		
METHOD REV. BY	DEI	PT	DATE	DEPT	DATE
1320-40 WW	T operation	end white	20-16		· · · · · · · · · · · · · · · · · · ·
				· · · · ·	·
Materals					:
Renal			weeks X 40	00	# 19,400
Bags	120 5ags	~ 26 week	cs x \$6 bay	·	\$ 18,720
rental	ModuTanks	Sol	K tenk	• •	# 75.05
.1844	" moon work of		( fanks		\$ 25,595
Miscellanec	us supples equ	r .	om × \$ 500/m.		E 5,000
	#325/	no X6mo	)		\$ 1950
Fuel			reecs + \$110/g	allen	g/ 715
			Total	(	77,545
				· . · ·	
Equipment				·	# 0
-ront en	d Loader Ch	MC. IN OTT	v Hems)		40
Labor	· · · · · · · · · · · · · · · · · · ·	•		· · · · · · · · · · · · · · · · · · ·	
2430.	1 laborer x	50 hrs/we	es 226 week	,	1300 4000
	·	,			
1610-10 Loadin	<u>19</u>				
			· · · · · · · · · · · · · · · · · · ·		
Materia s				· ····································	\$ 0
——————————————————————————————————————	<u>i</u>				
Egioment		#6.2			2 5 000
Loads	x Amonths	X 4.6, 63	SU - B1.25/		25,000
Labor	ogal/day ×50	wk III	sh * \$1.25/gal	Total	\$ 39.313
	r × 17 weeks				850 ha
	3	- /w	eek ;		
· · · · · · · · · · · · · · · · · · ·					
	:				
i	:				

. = -

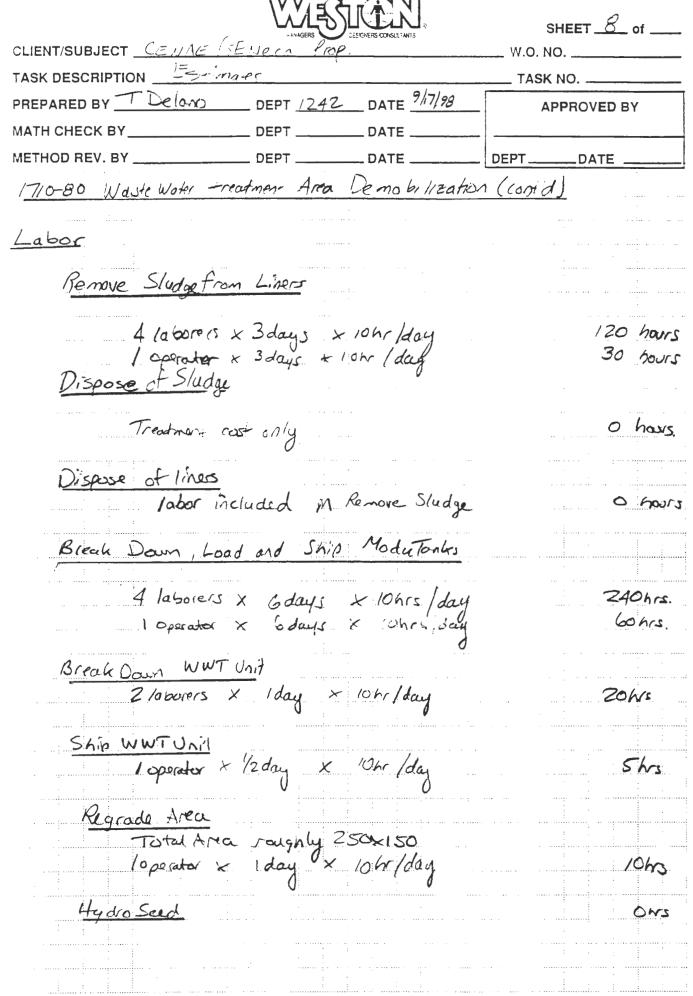


SHEET 5 of

CLIENT/SUBJECT <u>CELIAL</u>	E/Senory	COSAL	SHE W.O. NO.	E1 0f	
TASK DESCRIPTION	stimates		TASK NO	)	
PREPARED BY Tile la	00 DEPT 0012	42 DATE 9/1	APPI	ROVED BY	
	DEPT	•			
METHOD REV. BY	DEPT	DATE	DEPT	DATE	
1610-20 Hauling					
Materials			\$ 0		
Equipment			# 8		
Labor			3 0		
SUBCONTRACTOR			•	:	
Soil Hauling	3.5,000ten × 5	6/ton	# 210,000		
1620 Pispusal Fe	ies and Taxes				
Materials			# 0" ~~		
Eguipment			\$0		
Labor			\$0		
		/	# (c.		
Disposal Fees	20,000 ton K&	23 /for =	4,460,000		:
Debris	15,000 forsa d	23/60 = 4	49,000		i
1020113	1,000 tons >				
		Total	1	54,000	
1710 - 40 Access	Roads				:
	······································	- OVE	10p	: 	
Materials.	, , , , , , , , , , , , , , , , , , , ,	C . 7% +1	V/11 = 42122		
A PAIR Pabric	54,900 =	5/3 t/5F	11 - 4/123	+ 14,50x1525	
Aggregate	54,900sf x 975			122,112.50	
Equipment		(fluff fa	ctor) Total	\$ 8315	
1701W C156	3 Compacker 10	UK X A 1500/WK	= 12250		
	1 x 2 250		#213	: : -	
	day × 2day X 81	<u>ن</u>	•	\$ 3963	
Labor	21-01	Xnc/1	Total	/24	390 C
Eller Fabric 1	Place 1	hr/day -	40hrs	\$ 37	
		Obs/am =	100 hrs		
	* I week x 50	7,000		· · · · · · · · · · · · · · · · · · ·	
	<u></u>		· · · · · · · · · · · · · · · · · · ·		:

	\\\ <u>\</u>		SHEET	
CLIENT/SUBJECT CEMAE	Sene ca	. Example Color (ART)	W.O. NO	
TASK DESCRIPTION _ = 5 mg			TASK NO	<u> </u>
PREPARED BY T. Delano	DEPT 00/242	DATE _9/17/98	APPRO	VED BY
MATH CHECK BY	DEPT	DATE		
METHOD REV. BY	DEPT	DATE	DEPTD	ATE
1710-80 Naste water -	reatment Are	a Demobiliza	tien	
		i	,	
Tasks			***	
- Remove Accum	, ,	t From liners		·
· Dispuse of	• ()			, *
· Dispose of		· M. T.		
· Break down,			<b></b>	
· Break down · Ship 'NWT		( <b>)</b> 		
· Regiade 0				
Hydroseed				,
- Removal and 1	Disposal han	pulos and silt	Fence Miso	dobris/ Filero
Makrials	7			
Remove Sludge				
		. <u> </u>		
Miscellaneous	tools, equipmen	, firel		8 500
Disposal of Sluo	lge.		4	<b>3</b> 9 :
Disposal of Lines	<u> </u>		<u></u>	40
Ba (10. 1. 1	CITA MAIL	talian in the second se		
Break Dain . I cod			# 2,	70
Shipping Miceilann	LX	- \$1,100 als, strapphidd a		500
Break Down WW	Tund	ols, si apprado a	ains	
Misce le nou	equipment.	and supplies	#	2 <i>5</i> 0
Ship WWT un		H		600
Regrade Area	· · · · · · · · · · · · · · · · · · ·		A	0
	<b>-</b>	i i	· · · · · · · · · · · · · · · · · · ·	: ::::::::::::::::::::::::::::::::::::
Hydroseed	:		\$ 4	
Removal and Dispo	sal haybalos	sit fexeck	# 2	2
· · · · · · · · · · · · · · · · · · ·			#4,09	50

RFW 10-05-003/A-5/85 512-5643





	W.EST			SHEET 9	of
CLIENT/SUBJECT	energy - vo	E-CNERS/CONSULTANTS	W.O. I		
TASK DESCRIPTIONEStimate			TAS	K NO	
PREPARED BY TDelano		_ DATE <u>9/17/98</u> _		APPROVED	ВУ
MATH CHECK BY		DATE			
METHOD REV. BY	_ DEPT	_ DATE	DEPT	DATE	
1710-80 Naskwater Trea	tmer Arra	Comobilita him	Conto		
Labor				· · · · · · · · · · · · · · · · · · ·	:
Removal and Disposal	of Hay Bales	, Silt Fence , 1	lisc. De	6ris	
	•				
I laborers × 3days	x 10hr/day				oo hrs
, operator & 3 day	sit om iday				0 hrs
<u></u>		al laborer ho		-	ons
	.0ta	l operator how	112 =	135	h/s
Equipment					
Ramana Accountabled St.	idaa Eman N	dad de de			
Remove Accumulated Stu	eage	104412745	:	Regizal	Fuel
Wacker truck > Zda	11 × \$ 700 //		=	#1,400	
•		V :			4 125
Fuel = 50 gallday x Dispose of Sludge				•	
Costs included w	+ reatment			BO	\$ 0
Orspose of liner					
Laborers to load 1	colloff			\$ 0	\$0
Break town, Load and Sh	p Modulant	<u>.</u>			
1 LULL Fork lift for	ex. 6 days F	-uel=35901/day162	1.25	\$1,500	\$263
Break Dawn WWT Unit					
Use LULL , O	days		·	\$ 0	40
Ship www.					
USE LULL 10	Jay			#0	80
Kegrade Area		1	<b>.</b>	125	
DG dozer × Ida	y lux week	(4 (004)	~	2250	B (3
Hydro Cica	Carre Se	Jan Jan X I day X 1. C	s #5	0	\$ D
Only Subcontractor	au balas				7
Romove and Dispose H Loader X I weekx	57474/2VI		<i>\$</i> 2	2474	
Full 50gal/day	x 3day \$ 1.25/	and			\$ 188
7 140-7	5	10	h) \$	7624	£629

FFW 10-05-003 A-5/85 512-5643



7	VANAGERS UES	GMERS CONSULTANTS	SH	IEET <u>/0</u> of
CLIENT/SUBJECT / Se	preco Proposal		W.O. NO	)
TASK DESCRIPTION _= Stimate.			TASK	NO
PREPARED BY T Delano	_ DEPT 00/242_	DATE 9/17/93	AP	PROVED BY
MATH CHECK BY	_ DEPT	DATE		
METHOD REV. BY	_ DEPT	DATE	DEPT	DATE
1710-50 swe Water Treas	nest Area Je	mobilization	(carid)	
Subcontraction Costs				
Discoss of Sludge				
Treatment.	700 tens	35 /		= \$ 24,500
Transportation, and	Durasal 700.4	ons $x = \frac{4}{29} / ton$		= \$ 20,300
Dinne ( / jaga				
Dispose of Liners Sub contractor (	asts soluda	1 10 1URS 152	-d	<b>X</b> 0
336 CONTACIO	as in iciaale	m was reg	.0	<b>4</b> 0
Hydro seed				
250' x150 " X	\$ Q044 /sf			\$1,650
		TOI	tal	\$ 46,450
1310-20 Pun-off Contro				<u>i</u>
- Eshmale of insta	ellation of 4"	stone over ha	y bales	:
Malaile		Hall	1.4	
Materials 4"crushed stone	350cu x\$ 3	50/0 21.16	Tarior	\$ 1,421
		2 - reg arma		
Equipment				<u>.</u>
Loader   CAT966 L 23" puno for Amortin Fuel 550/weeks	order x \$ 22	50/14	· · · · · · · · · · · · · · · · · · ·	\$ 2250
2,3" pino for Amonth	2× \$325 x 4	morths		\$ 7500
Fuel 550/week	nucels	· · · · · · · · · · · · · · · · · · ·	'	#850
				4
2 /a low 45 x 2 de	245 × 10 hr	Iday	<u> </u>	40 hrs
2 /a learns x 2 de	lays - 10hr	day		20hs
			. ; <u></u>	<u>:</u>
		······································	· · · · · · · · · · · · · · · · · · ·	

TABLE 4-2
Seneca Army Depot Activity
Open Burning Grounds Soil and Sediment Remediation
Sampling Summary

. 2.--

			145	4	2	123	15		47		-	2	-	-	-	-	-	_	2	-	-	-	<del></del>	-		4
Total			14	1	1	12	1		4																	
	Blanks											-							-							
Trip			4	2	4	8			1		_					_										H
Field	blanks																									
Total			141	12	8	115	15		46		-	1	-	-	1	1	1	1	_	-	-	1	1	1		4
T	٥		13	1	1	10	2		4		0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
QA/QC	_		7	1	1	5	1		2		0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
ð	Duplicate MS/MSD		13	-	1	10	2		4		0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
Total Req'd	Samples		121	10	9	100	12		40		-	-	-	-	-	-	-	-	-	-	-	-	-	-		4
Total	Qty	piles	24,100	2,000	1,200	20,000	23,200		8,000		-	-	-	-	-		-	-	-	-	-	-	-	-		200
		Stock	જે	cy	જે	જે	ć		=		s	8	s	s	8	8	s	<u>~</u>	2	8	S	s	S	s		ò
	Frequency	ed Soil	200	200	200	200	2000	ter	200	zation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ng	20
	Fre	Stabiliz	Ē	Ë	Ë	ri	i	Site perimeter	рег	Soil Characterization	.⊑	Ë	.⊑	Ë	Ë	.⊑	Ë	.⊆	Ē	. <u>⊆</u>	Ē	. <u>c</u>	.⊑	.⊆	Bench Testing	.⊆
ai	_	, and	1	1	1	1	1	Site	08 1	Sil Ch	7 4	0B 1	υ C	88	1	4	4	. 4	1	0	1	8	4	4	Benc	8
Analytical	Method	Soll, Sediment, and Stabilized Soll Stockpiles	3050A/6010B	1311/6010B	1311/6010B	1311/60108	1311/6010B		3050A/6010B		7.3.4.2/9045A	5030A/8260B	3541/8270C	3050A/6010B	1311/6010B	3550/8081A	3550/8081A	7.3.4.2/9045A	5030A/8260B	3541/8270C	3050A/8010B	1311/60108	3550/8081A	3550/8081A		1311/6010B
Analysis	Req'd	Soll,	Total Pb	TCLP Metals	TCLP Metals	TCLP Metals	Full TCLP		Total Pb		IRC	VOC	SVOC	METALS	Full TCLP	PEST	PCB	IRC	voc	SVOC	METALS	Full TCLP	PEST	PCB		TCLP Pb
Sample	Matrix		Soil	Soil	Sediment	Soil	Sediment		Soil		Soil							Soil								Soil
ple	nt		1	ng/kg¹	nents <sup>1</sup>	oils <sup>1a</sup>	diment <sup>3</sup>		er		oil							oil								cation

TABLE 4-2
Seneca Army Depot Activity
Open Burning Grounds Soil and Sediment Remediation
Sampling Summary

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Г			7	4	7	2	2	7	80	6	8	8	8	ω	ω	7	18	12		30	00	55	ളി			9	80	0	7	0	ω	9	9
Total				2						1						7	-	1		(2)			(,)										
Trip	Blanks									,												25											
Field	blanks		2	2	2		2	2	8	8	8	8	8	8	8	)	0	0				(					-		7				
Total						2		. •	~		~			_		70	18	12		30	30	30	30			9	8	0		0	8	9	9
۲	δ		0	0	0	0	0	0	0	0	0	0	0	0	0	9	2	1		က	3	က	က			-		0	1	0	-	-	-
QA/QC	MS/MSD		0	0	0	0	0	0	0	0	0	0	0	0	0	4	1	1		2	2	2	2			1	1	0	1	0	-	-	1
Ø	Duplicate		0	0	0	0	0	0	0	0	0	0	0	0	0	9	2	1		က	3	3	3			1	-	0	1	0	-	1	1
Total Req'd	Samples		2	2	2	2	2	2	8	8	8	8	8	8	80	09	15	10		25	25	25	25			4	9	0	5	0	9	4	4
Total	Qty	Sampling	40	40	40	40	40	40	300000	300000	300000	300000	300000	300000	300000	300000	3000	10		25	25	25	25	ples		4	2,725	0	2,250	0	2,750	4	1,700
Г		ction	Ş	જે	ठे	ઝે	ઝે	Ç	sf	sf	st	sf	st	sŧ	st	sf	<u>=</u>	tank		s	S	8	8	Samples		wps	sf	sdw	sf	sdw	sf	sdw	st
	Frequency	<b>Debris and Post-Construction</b>	20	20	20	20	20	20	40000	40000	40000	40000	40000	40000	40000	10000	200	-	er		-	-	-	Confirmatory \$		-	200	-	200		500	-	200
	Fre	nd Post	Ë	in in	Ē	n In	Ë	1 in	1 in	1 in	E.	ri Li	1 in	r in	r in	2 in	1 in	1 per	Wastewater	25 in	25 in	25 in	25 in	Confir	PAD A	1 per	1 per	1 per	1 per	1 per	1 per	1 per	1 per
Analytical	Method		1010/7.3.3.2- 7.3.4.2/9045A	5030A/8260B	3541/8270C	1311/6010B	3550/8081A	3550/8081A	7.3.4.2/9045A	5030A/8260B	3541/8270C	3050A/6010B	1311/6010B	3550/8081A	3550/8081A	3050A/6010B	3050A/6010B	3050A/6010B	×	3010A/6010B	3550/8081A	5030A/8260B	3520B/8270C	Berm		3050A/6010B	3050A/6010B	3050A/6010B	3050A/6010B	3050A/6010B	3050A/6010B	3050A/6010B	3050A/6010B
Analysis	Req'd	Miscellaneous	IRC	voc	SVOC	TCLP	PEST	PCB	IRC	voc	SVOC	METALS	TCLP	PEST	PCB	Total Pb	Total Pb	TAL Metals		TAL Metals	PEST	NOC's	SVOC's	Pad and					Total Pb	Total Pb	Total Pb	Total Pb	
Sample	Matrix		Solid						Wipe								Soil	Wipes		Aqueous						0					Soil (FL)	-	_
ple	ent								Jé.							а		ıks										_	_	L	2	_	-

TABLE 4-2
Seneca Army Depot Activity
Open Burning Grounds Soil and Sediment Remediation
Sampling Summary

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			9	0	0	8	9	7	7	Ō		9	2	0	0	2	89		9	7	0	12	9	8		က	6
Total				1											-	_	9										
Trip	Blanks																										
Field	bianks																										
Total			9	10	0	8	9	7	7	10		9	5	0	10	15	69		9	7	0	12	9	80		3	6
	٥A		-		0	-		-	-	-		-	-	0	-	7	9			-	0	<b></b>	-	-		-	-
QA/QC	Duplicate MS/MSD		-	-	0	-	-	-	-	-		-	-	0	-	-	3		-	-	0	-	-	-		-	-
)	Duplicate		1	1	0	-	-	-	-	-		-	-	0	-	2	9		1	1	0	-	-	-		-	-
Total Req'd	Samples		4	æ	0	9	4	2	2	8		4	3	0	8	12	59		4	2	0	10	4	9		1	7
Total	Qty		4	3,875	0	2,975	4	2,400	5	3,800		4	1,350	0	3,575	12	29,450		4	2,225	0	4,625	4	2,825		-	3,025
			sdw	st	sdw	st	sdw	Şţ	sdw	st		sdw	sf	sdw	st	sdw	sf		wps	st	sdw	sf	sdw	st		sdw	st
	Frequency		-	200	-	200	-	200	-	200		-	200	-	200	-	200		-	200	-	500	-	200		-	200
	Fre	PAD B	per	l per	l per	ber	l per	l per	l per	l per	PAD C	l per	l per	l per	i per	per	ber	PAD D	ber	ber	l per	ber	ber	ber	PAD E	ber	ber
<u></u>	$\exists$	_	98	98	1	98	98	98	98	89	ľ	00	1	08	98	98	1	-	8	98	1	98	98	98	-	1	1
Analytical	Method		3050A/6010B	3050A/6010B	3050A/601	3050A/6010B	3050A/6010B	3050A/6010B	3050A/6010B	3050A/6010B		3050A/6010B	3050A/8010B	3050A/6010B	3050A/6010B	3050A/6010B	3050A/6010B		3050A/6010B	3050A/6010B	3050A/6010B	3050A/6010B	3050A/6010B	3050A/6010B		3050A/6010B	3050A/6010B
Analysis	Red'd		Total Pb	Total Pb	Total Pb	Total Pb	Total Pb	Total Pb	Total Pb	Total Pb		Total Pb		Total Pb		Total Pb	Total Pb										
Sample	Matrix		Soil (SW)	Soil (FL)	Soil (SW)	Soil (FL)	0	Soil (FL)	Soil (SW)	Soil (FL)		Soil (SW)			Soil (FL)				Soil (SW)			Soil (FL)		Soil (FL)		Soil (SW)	Soil (FL)
ple	sut				_	_	24	24	220	220				U	U	/23/12	/23/12				U	_	13	3			,

TABLE 4-2
Seneca Army Depot Activity
Open Burning Grounds Soil and Sediment Remediation
Sampling Summary

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			4	19	က	4	ω	26	9	12	4	9		4	7	4	20	9	22	9	18	0	10	2	21		4	21	2	7	9	ω
Total				,				. 4									. 4								. 7			~				
Trip	Blanks	٠																														
Field	blanks		4	6	3	4	8	0	9	2	4	9		4		4		9	01	9		0		2					2			
Total			7	19		7	~	26		12	,				-	7	20		22		18		10		21		4	21	,		9	~
$\overline{}$	§			2	-	-	-	က	-	-	-	-		-	-	-	2	-	2	-	2	0	-	-	2		-	2	-	-	-	-
QA/QC	MS/MSD		-	-	-	-		2	-	-	-	-		-	-	-	-	-	-	-	-	0	-	-	-		-	-	-	-	1	-
	Duplicate MS/MSD		1	2	-	-	-	e	-	-	-	-		_	-	-	2	-	2	_	2	0	-	-	2		-	2	-	-	-	-
Total Req'd	Samples		2	16	-	2	9	21	4	10	2	4		2	o	2	17	4	19	4	15	0	8	3	18		2	18	က	2	4	9
Total	Offy		2	7,575	-	900	9	10,075	4	4,650	2	1,705		2	4,100	2	8,350	4	9,255	4	7,425	0	3,675	က	8,700		2	8,950	8	2,500	4	2,575
			sdw	sf	sdw	sf	sdw	sf	wps	sf	sdw	st		sdw	st	sdw	sf	sdw	sf	sdw	st	sdw	st	sdw	st		sdw	sf	wps	sf	sdw	st
	Frequency		-	200	-	200	-	200	-	200	-	200		-	200	-	500	1	200	-	200	-	200	-	200		-	200	-	200	-	200
	Fre	PAD F	1 per	1 per	1 per	1 per	1 per	1 per	1 per	1 per	1 per	1 per	PAD G	1 per	1 per	1 per	1 per	1 per	1 per	1 per	1 per	1 per	1 per	1 per	1 per	PAD H	1 per	1 per	1 per	1 per	1 per	1 per
Analytical	Method		3050A/6010B	3050A/6010B	3050A/6010B	3050A/6010B	3050A/6010B	3050A/6010B	3050A/6010B	3050A/6010B	3050A/6010B	3050A/6010B		3050A/6010B	3050A/6010B	3050A/6010B	3050A/6010B	3050A/6010B	3050A/6010B	3050A/6010B	3050A/6010B	3050A/6010B	3050A/6010B	3050A/6010B	3050A/6010B		3050A/6010B	3050A/6010B	3050A/6010B	3050A/6010B	3050A/6010B	3050A/6010B
Analysis	p bey		Total Pb		Total Pb	Total Pb	Total Pb	Total Pb	Total Pb	Total Pb	Total Pb	Total Pb	Total Pb	Total Pb	Total Pb	Total Pb		Total Pb														
Sample	Matrix				Soil (SW)	Soil (FL)		Soil (FL)			(	Soil (FL)		Soil (SW)	Soil (FL)	$\overline{}$	Soil (FL)		$\Box$	S		(	Soil (FL)	(	Soil (FL)		Soil (SW) 1	Soil (FL) T		Soil (FL) 1		Soil (FL) 1
ple	100		n South	n South	n North	n North			15	15				n East	n East	n West	st		East	West	West	u.	r.					_				9/34

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# Open Burning Grounds Soil and Sediment Remediation Seneca Army Depot Activity Sampling Summary **TABLE 4-2**

ple	Sample	Analysis	Analytical				Total	Total Req'd		QA/QC	Γ	Total Field	d Trip		Total
nt	Matrix	Req'd	Method		Frequency	cy	Qty	Samples	Duplicate	Duplicate   MS/MSD	ΟA	blanks		Blanks	
				PAD	2										
	Soil (SW)	Total Pb	3050A/6010B	1 p	per 1	sdw	7 w	7	-	-	-	6			6
	Soil (FL)	Total Pb	3050A/8010B	-	per 500	o st	31,200	63	7	4	7	74			74
ء	Soil (SW)	Total Pb	3050A/6010B	т В	per 1	sdw	2	2	-	-	-	4			4
E	Soil (FL)	Total Pb	3050A/6010B	t p	per 500	o sf	f 5,755	12	2	_	7	15			15
			FOW	VLYING	NG HIL	_ ا									
	Soil (SW)	Total Pb	3050A/6010B	1 p	per 1	sdw	w 2	2	-	-	-	4			4
	Soil (FL)	Total Pb	3050A/6010B	1 p	per 500	00 sf	f 2,183	5	-	-		7			7
	Soil (SW)	Total Pb	3050A/6010B	<u>-</u>	per 1	sdw	٧	-	1	,	-	3			က
	Soil (FL)	Total Pb	3050A/6010B	1 p	per 500	00 sf	f 3,293	7	1	-		6			6
ONFIRMATORY		SAMPLES						498	81	99	81	645	12		657
			Ö	<b>CLEAN FILI</b>	I HILL					:					
	Soil	TAL Metals	3050A/6010B	-	per 2000	00	y 50000	25	3	2	3	30	10		40
		Explosives	8330	L D	per 2000	cy C	20000	25	က	2	3	30	10		40
		VOCs	5030A/8260B	-	per 2000	30 <b>cy</b>	20000	25	3	2	3	30	10	15	55
		SVOCs	3520B/8270C	-	per 2000	30 Cy	20000	25	3	2	3	30	10		40
		PCB	3550/8081A	1 p	per 2000	30 <b>cy</b>		25	3	2	3	30	10		40
		PEST	3550/8081A	- Р	per 2000	00 Cy	9 50000	25	3	2	3	30	10		40
	Soil	TAL Metals	3050A/6010B	<u>1</u> م	per 2000	30 <b>cy</b>	L	10	-	-	-	12	2		14
		Explosives	8330	1 p	per 2000	30 Cy	19100	10	1	1	-	12	2		14
		VOCs	5030A/8260B	1- 0	per 2000	30 <b>C</b>	,	10	-	1	-	12	2	2	19
		SVOCs	3520B/8270C	<del>ا</del>	per 2000	30 Cy	Ĺ	10	1	1	-	12	2		14
		PCB	3550/8081A	<del>م</del>	per 2000	30 <b>cy</b>	y 19100	10	1	-		12	2		14
		PEST	3550/8081A	1 p	per 2000	00 <b>cy</b>	y 19100	10	1	-	-	12	2		14
For *	Soil	TAL Metals	3050A/6010B	1 p	per 2000	oo cy		2	-	-	-	4	-		5
		Explosives	8330	1 P	per 2000	30 <b>cy</b>		2	-	1	-	4	1		5
		VOCs	5030A/8260B	1 D	per 2000	30 <b>Cy</b>	4000	2		1	-	4	1	-	9
		SVOCs	3520B/8270C	-	per 2000	30 Cy	4000	2	-	1		4	1		2
		PCB	3550/8081A	- D	per 2000	00 <b>C</b>		2	1	1	-	4	-		2
		PEST	3550/8081A	<u>-</u>	per 2000	30 <b>C</b>	4000	2	1	-		4			5
	1. Quantiti 8.700 cv Be	<ol> <li>Quantities based on revised nu 8 700 cy Berms), 2,000 cy Case II</li> </ol>		from (	CENAE: 200 cy (	12,000 Treek S	cy Case III ediments.	mbers from CENAE: 12,000 cy Case III (3,300 cy Low Lying Hills and soils, and 1,200 cy Creek Sediments. An additional 12,100 cy Case III	v Lying Hill: 2,100 cy C	s and ase III		1564	110	51	1725

8,700 cy Berms), 2,000 cy Case II soils, and 1,200 cy Creek Sediments. An additional 12,100 cy Case III soils is added to the quantity to account for the soils to be excavated and sampled from the 2.5 acres

1a. Volume based on 30,000 tons provided in RFP and density of 1.5 tons/cy.2. Storage tanks assumed to be 20,000 gallons each.3. Meets requirement to run full TCLP for every tenth TCLP metals performed. of wetland reconstruction.

TABLE 4-2
Seneca Army Depot Activity
Open Burning Grounds Soil and Sediment Remediation
Sampling Summary

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Total		
Trip	Blanks	
Field	blanks	
Total		
QA/QC	Suplicate MS/MSD QA	a.
Total Req'd	Samples	er 2.5 acres are
Total	άţ	ne foot ove
	Frequency	1 per 2,000 cy, volume based on one foot over 2.5 acres area.
Analytical	Method	oe 1 per 2,000
Analysis	Req'd	cy assumed to I
Sample	Matrix	4. Frequen
eld	int	

	,
(0	
es	

	total	field	trips	Total	
	920	18	0	938	
S	135	14	0	149	_
	4			4	
	78	13	48	139	
	78		0	91	
	48	13	0	19	
	78	1		91	
	17	0	0	17	
	2			2	
	2		0	2	
	2			2	
sture	2	0		2	
	2		0	2	
	48			61	
	46	13	0	59	
	1462	110	48	1620	
	30	0	0	30	
	30	0		55	
	30		0	30	
	30		0	30	
	120	0	25	145	
PLES					
	8	0	0	8	
	8	0	0	89	
	8	0	0	8	
	8	0		6	
	8	0	0	8	
	∞	0	0	8	
	8	0	0	8	
	20		0	20	
es	9/	0	1	77	