

**New York State Dept. of  
Environmental Conservation  
Scope of Work Sheet  
Fiscal Year 2011  
Little Valley Superfund Site**

Client Facility ID Little Valley TCE SiteClient Contact: Gregory P. SuttonContract Dates: toAddress: Rt 353CM: Nicole Jarzyniecki

Client Work Authorization:

City/State: Little Valley, NYPM: Steven P. LeittenContract Reference: C100900County: Cattaraugus

GES Project No:

**Scope of Work Description:**

This cost estimate is for excavation, transportation and disposal of approximately 675 tons of TCE impacted soil from the Cattaraugus Cutlery Superfund Site. Based on analytical data the soil is assumed to have to be disposed of as hazardous waste. Backfilling and site restoration is also included in this estimate.

**TIME AND MATERIALS**

Phase/Tsk/Act	Code	Description	SubQty	Rate	Unit	SubTotal	Qty	Total
02/200		Utility Hand Clearance/Markout						
	A3	-- L-2 Data Processor	4	\$15.11	/hr	\$60.44		
	G2	-- L-3 Draftsperson	4	\$40.37	/hr	\$161.48		
	P4-pm	-- L-19 Project Manager	2	\$53.83	/hr	\$107.66		
		-- Subcontractor - Utility Clearance	1500	\$1.1	\$+10%	\$1,650.00		
	P2-hydro	-- L-11 Geologist	8	\$52.93	/hr	\$423.44		
	E002H	-- E-002 Light Duty Vehicle - Hr	8	\$15.06	HR	\$120.48		
	LVE999	-- LVE NYSDEC	8	\$1.02	HR	\$8.16		
						\$2,531.66	1	\$2,531.66

**Task 200 Utility Hand Clearance/Markout Total: \$2,531.66**

02/216		Soil Borings Pre Disposal Sampling						
	A3	-- L-2 Data Processor	2	\$15.11	/hr	\$30.22		
		-- Laboratory Testing - Soil	250	\$1.1	\$+10%	\$275.00		
		-- Subcontractor - Driller	1750	\$1.1	\$+10%	\$1,925.00		
	P4-pm	-- L-19 Project Manager	2	\$53.83	/hr	\$107.66		
	P2-hydro	-- L-11 Geologist	12	\$52.93	/hr	\$635.16		
	E002H	-- E-002 Light Duty Vehicle - Hr	8	\$15.06	HR	\$120.48		
	HE055	-- E-055 PID w/calibration kit/HNU Hr	8	\$14.35	HR	\$114.80		
	LVE999	-- LVE NYSDEC	8	\$1.02	HR	\$8.16		
						\$3,216.48	1	\$3,216.48

**Task 216 Soil Borings Pre Disposal Sampling Total: \$3,216.48**

05/101		HASP Preparation/Update						
	A3	-- L-2 Data Processor	1	\$15.11	/hr	\$15.11		
	P4-pm	-- L-19 Project Manager	1	\$53.83	/hr	\$53.83		
	P2-hydro	-- L-11 Geologist	1	\$52.93	/hr	\$52.93		
						\$121.87	1	\$121.87

**Task 101 HASP Preparation/Update Total: \$121.87**

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05/181		Equipment Specification/Bid Evaluation Create bid package and evaluate bids						
	A3	-- L-2 Data Processor	2	\$15.11	/hr	\$30.22		
	P4-pm	-- L-19 Project Manager	2	\$53.83	/hr	\$107.66		
	P3-hydro	-- L-12 Hydrogeologist	4	\$58.76	/hr	\$235.04		
						\$372.92	1	\$372.92

**Task 181 Equipment Specification/Bid Evaluation Create bid package and evaluate bids Total: \$372.92**

05/283		Site Visit / Walkover Bid Walk						
	P4-pm	-- L-19 Project Manager	6	\$53.83	/hr	\$322.98		
	P3-hydro	-- L-12 Hydrogeologist	6	\$58.76	/hr	\$352.56		
	E002H	-- E-002 Light Duty Vehicle - Hr	6	\$15.06	HR	\$90.36		
	LVE999	-- LVE NYSDEC	12	\$1.02	HR	\$12.24		
						\$778.14	1	\$778.14

**Task 283 Site Visit / Walkover Bid Walk Total: \$778.14**

05/229		Soil Excavation						
	A3	-- L-2 Data Processor	10	\$15.11	/hr	\$151.10		
		-- Waste Subcontractor - Soil Disposal \$86/ton disposal	58050	\$1.1	+\$10%	\$63,855.00		
		-- Waste Subcontractor - Transporter \$34/ton Trans	22950	\$1.1	+\$10%	\$25,245.00		
		-- Subcontractor - Excavation Assume 5 days excavation activities	15000	\$1.1	+\$10%	\$16,500.00		
	P4-pm	-- L-19 Project Manager	12	\$53.83	/hr	\$645.96		
	P3-hydro	-- L-12 Hydrogeologist	60	\$58.76	/hr	\$3,525.60		
	E002H	-- E-002 Light Duty Vehicle - Hr	40	\$15.06	HR	\$602.40		
	HE055	-- E-055 PID w/calibration kit/HNU Hr	40	\$14.35	HR	\$574.00		
	LVE999	-- LVE NYSDEC	40	\$1.02	HR	\$40.80		
						\$111,139.86	1	\$111,139.86

**Task 229 Soil Excavation Total: \$111,139.86**

05/298		Site Restoration						
	A3	-- L-2 Data Processor	2	\$15.11	/hr	\$30.22		
		-- Subcontractor - Excavation Assume 2 days site restoration	4500	\$1.1	+\$10%	\$4,950.00		
		-- Vendor - Materials, Fill \$17.00 per ton Backfill	11475	\$1.1	+\$10%	\$12,622.50		
		-- Subcontractor - Other Paving \$2.00/sq ft	11000	\$1.1	+\$10%	\$12,100.00		
	P4-pm	-- L-19 Project Manager	2	\$53.83	/hr	\$107.66		
	P3-hydro	-- L-12 Hydrogeologist	20	\$58.76	/hr	\$1,175.20		
	E002H	-- E-002 Light Duty Vehicle - Hr	16	\$15.06	HR	\$240.96		
	LVE999	-- LVE NYSDEC	16	\$1.02	HR	\$16.32		
						\$31,242.86	1	\$31,242.86

**Task 298 Site Restoration Total: \$31,242.86**

05/160		Analytical Fees						
		-- Laboratory Testing - Soil Lab Fees	5000	\$1.1	+\$10%	\$5,500.00		
						\$5,500.00	1	\$5,500.00

**Task 160 Analytical Fees Total: \$5,500.00**

		Waste Management / Coordination Coordinate						
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05/106		Soil Profile						
	A3	-- L-2 Data Processor	4	\$15.11	/hr	\$60.44		
	P4-pm	-- L-19 Project Manager	4	\$53.83	/hr	\$215.32		
	P3-hydro	-- L-12 Hydrogeologist	8	\$58.76	/hr	\$470.08		
						\$745.84	1	\$745.84

**Task 106 Waste Management / Coordination Coordinate Soil Profile Total: \$745.84**

05/125		Remedial Action Completion Report						
	A3	-- L-2 Data Processor	4	\$15.11	/hr	\$60.44		
	G2	-- L-3 Draftsperson	4	\$40.37	/hr	\$161.48		
	P4-pm	-- L-19 Project Manager	2	\$53.83	/hr	\$107.66		
	P2-hydro	-- L-11 Geologist	16	\$52.93	/hr	\$846.88		
	P3-hydro	-- L-12 Hydrogeologist	8	\$58.76	/hr	\$470.08		
						\$1,646.54	1	\$1,646.54

**Task 125 Remedial Action Completion Report Total: \$1,646.54**

**TOTAL T&M COSTS:** \$157,296.17

**TOTAL UC COSTS:** \$0.00

**TOTAL GES CONTRACT AMOUNT:** \$157,296.17

**TOTAL DIRECT COSTS:** \$0.00

**TOTAL CLIENT AMOUNT:** \$157,296.17

### Approvals:

This breakdown is provided for informational purposes only. Actual costs will be submitted on applications for payment for the DEC's review and approval in accordance with the terms of the standby contract. Standby contractor will proceed with call out authorization in accordance with the terms of the standby contract without DEC approval of this estimate.

**Client:** \_\_\_\_\_ **Date:** \_\_\_\_\_ **GES:** \_\_\_\_\_ **Date:** \_\_\_\_\_

Groundwater & Environmental Services, Inc.  
Proposal No. NY/W-2010-0089-00

12/28/2010

**From:** <DiGuardia.Lou@epamail.epa.gov>  
**To:** "Linda Ross" <lcross@gw.dec.state.ny.us>  
**CC:** <DiMartino.John@epamail.epa.gov>, <Singerman.Joel@epamail.epa.gov>  
**Date:** 1/7/2011 7:39 AM  
**Subject:** Re: Little Valley - Cattaraugus Cutlery - Response - EPA Excavation Cost Estimate

EPA has received your estimate for soil excavation of the remaining elevated TCE areas at the Little Valley ? Cattaraugus Cutlery Site (Site), located in Little Valley, New York.

As was previously noted in our estimate, there still remains the original concerns for performing excavation on-site, i.e., narrow site entrance way, close proximity to a residential structure, limited space for staging and loading material, and the further deteriorating condition of all on-site structures. It was not clear your contractor was aware of these concerns in the estimate provided.

Due to these concerns and potential liability in performing any action on-site, EPA would require a structural evaluation be required to evaluate personnel safety during excavation operations and the potential impact to the deteriorating buildings from excavation activities, i.e., heavy equipment vibration, excavation in close proximity to the buildings, etc. Any contractor working on-site must provide a clear and defined approach to the excavation and must be aware of the potential liability concerns if damage would occur to the buildings, including detailed documentation of the structures conditions prior to the beginning of any site operations.

Also, as previously expressed, even though excavation is limited to two feet, the above conditions will require sound engineering practices. This will, by EPA's opinion, require a much longer operational period (estimated three weeks) to complete excavation activities, which include the extra time required to receive turnaround analysis to evaluate post-excavation cleanup levels.

What is not easy to determine, but attempted to account for in our estimate, is the numerous access issues and general difficulties dealing with the site owner. In general, the remaining areas of elevated TCE concentrations in soil have resulted from past negotiation with the owner for access to the site buildings which limited SVE operations in these areas. Site ownership issues have recently re-surfaced with the former owner and may impact our site access in the near future. This will probably be further impacted by the recent rental of a Quonset Hut at the rear of the property by this owner, which requires unimpeded access on the driveway entering the Site. This will in all probability further impede excavation work progress. Recent conversations with the former site owner support this.

It should also be noted that the present access agreement with the owner is for the implementation of SVE technology, any changes to this agreement would require EPA to open new negotiations (i.e., excavation). The present agreement took EPA greater than two years to negotiate and EPA doesn't anticipate quick turnaround on negotiations for a new agreement.

EPA also has the following general comments to the estimate provided by your contractor:

- A Work Plan, Sampling and/or Uniform Federal Policy ? Quality Assurance Project (UFP-QAPP) should be prepared for soil and air sampling.
- Pre and Post sampling events should be incorporated in the plan to certify site cleanup to ROD requirements.
- EPA will require a structural evaluation be prepared before any operations begin.
- EPA will require all analytical be to Contract laboratory standards and deliverables including validation to support ROD closure.
- As required by the NYSDEC Community Air Monitoring Plan (CAMP) guidance, perimeter air sampling and site monitoring shall be performed during site operations.

- Costs for de-mobilization of the SVE system and its components (i.e., extraction wells and piping) must be incorporated in the estimates.
- The potential for hand excavation close to the site structures should be incorporated in the estimate (i.e., additional personnel, and operation period (3 weeks)).
- General per diem, lodging and travel expenses should be incorporated.
- GPS, Geographical Information System (GIS) and ACAD support and generation of a final report with all supporting documentation, should be included to support ROD closure.

The cost estimate provided was based upon our existing Emergency and Rapid Response Services (ERRS) contract who will perform excavation activities, and for the Environmental Response Team ? SERAS contract to provide sampling and analytical support, both competitively based contracts.

Based upon the sampling data, the material would have to be disposed as hazardous waste for off-site treatment and disposal. The cost of disposal provided is based upon EPA active sites and competitive rates.

Based upon these issues, concerns and comments, we believe the original estimate provided to you continues to apply for the proposed soil excavation.

I am available to discuss if you have any questions.

Lou

Louis DiGuardia, On-Scene Coordinator  
U.S. EPA Region 2  
Emergency and Remedial Response Division  
Removal Action Branch  
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