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Date: 12/17/2010 1:44 PM
Subject: Re: Little Valley - Cattaraugus Cutlery - Excavation Cost Estimate
Attachments: Little Valley - ERT-SERAS WA IGCE - Final 12-17-10 - Attachment 2.xlsx; Little Valley - TCE Excavation Estimate - ERRS- ERT Costs 12-17-10 - Final (Attachment 1) .xlsx

Hello Linda

Please find attached the cost estimate prepared for excavating the remaining TCE elevated soil at the Little Valley Superfund Site ? Cattaraugus Cutlery Area, located in Little Valley, New York.

Please understand that the original concerns for performing excavation still remain, 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.

Due to these concerns, it should be noted that a structural evaluation would be required to evaluate the safety and potential impact to the deteriorating buildings from excavation activities, i.e., heavy equipment vibration, excavation in close proximity to the buildings, etc.

Also, even though excavation is limited to two feet, the above conditions and sound engineering practices will necessarily require a much longer operational period (three weeks) to complete excavation activities, which include the extra time required to receive turnaround analysis to evaluate post-excavation cleanup levels.

The estimated cost includes our Emergency and Rapid Response Services (ERRS) contract who will perform excavation activities, and for the Environmental Response Team ? SERAS contract, to perform site air monitoring and post-excavation sampling.

As you can see, due to the number of concerns, this estimate for excavation is approximately double the estimate for continued SVE operation.

I can be contacted at (732) 906-6927, to discuss if you have any questions.

Please have a Healthy, Safe, and Enjoyable Holiday.

Lou

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Independent Government Cost Estimates

Little Valley - Cattaraugus Cutlery

Attachment 2

Contract:SERAS

Contractor: Lockheed Martin Inc.

Term: Base Period - Year 1

Contract # EP-W-09-031

WA #:

WA Amendment #:

| Estimated Labor Hours | | | |
|----------------------------------|------------|-----------------------------|--------------------|
| Personnel Level | LOE | Labor Rate | Cost |
| Management | 30 | \$65.00 | \$1,950.00 |
| Administrative/Logistics I | 10 | \$43.00 | \$430.00 |
| Administrative/Logistics II | 30 | \$31.00 | \$930.00 |
| Administrative/Logistics III | 30 | \$23.00 | \$690.00 |
| Field/Analytical Staff I | 120 | \$55.00 | \$6,600.00 |
| Field/Analytical Staff II | 120 | \$47.00 | \$5,640.00 |
| Field/Analytical Staff III | 300 | \$39.00 | \$11,700.00 |
| Field/Analytical Staff IV | 100 | \$28.00 | \$2,800.00 |
| Field/Analytical Staff V | 100 | \$21.00 | \$2,100.00 |
| | | | |
| Environmental Engineer/Scientist | 80 | \$65.00 | \$5,200.00 |
| | | | |
| Total Labor Hours | 920 | Subtotal Labor Costs | \$38,040.00 |
| | | *Total Labor Costs | \$58,916.35 |

* Total labor costs applies a 7% Fixed Fee and 47.88% Overhead

| Estimated Other Direct Costs | | |
|------------------------------|-------------------------|--------------------|
| ODCs | | Actual Cost |
| Subcontract Vendor | | \$10,000.00 |
| Travel | | \$10,000.00 |
| Materials/Supplies | | \$5,000.00 |
| Shipping | | \$1,000.00 |
| Other | | \$1,000.00 |
| | | |
| | ** Subtotal ODCs | \$29,261.25 |

**Includes 2% Fixed Fee

| | |
|---------------------------------|--------------------|
| Subtotal Estimated Costs | \$88,177.60 |
| ***Total Estimated Costs | \$99,746.50 |

*** Applies a 6.58% G&A, 1.1% PLW, 5.44% MHX

| | |
|------------------------|-----------------------------|
| 20% CONTINGENCY | \$20,000.00 |
| GRAND TOTAL | \$120,000.00 Rounded |

Includes: Development of Work Plan, Federal QAPP and Report Review.

Direct Push Operation, Soil and Air Sampling, GPS, Geographical Information System (GIS), and ACAD Support.

Sample Receipt and distribution. Laboratory analysis (24-hour), review, validate, and prepare reports.

Electronic archival and report distribution.

| Little Valley Site - Excavation | | | | Attachment 1 | | |
|--|---------------------------------------|-----------------|-------------|---------------|------------------|---------------|
| Little Valley, New York | | | | | | |
| Cost Estimate- Excavation of TCE Contaminated Soil (DRAFT) | | | | | | |
| | | | | | | |
| <u>Labor</u> | | | | | | |
| <u>Item No.</u> | <u>Item Description</u> | <u>Quantity</u> | <u>Unit</u> | <u>Amount</u> | <u>Rate/Cost</u> | <u>Amount</u> |
| 1-05-01 | Response Manager (Reg) | 120 | Hrs | 1 | \$58.46 | \$7,015.20 |
| 1-10-01 | Foreman (Reg) | 120 | Hrs | 1 | \$46.70 | \$5,604.00 |
| 2-10-01 | Field Clerk (Reg) | 120 | Hrs | 1 | \$34.75 | \$4,170.00 |
| 2-05-01 | Equipment Operators (Reg) | 120 | Hrs | 1 | \$58.03 | \$6,963.60 |
| 3-07-01 | Chemical Technician (Reg) | 100 | Hrs | 2 | \$50.61 | \$10,122.00 |
| 4-15-01 | Engineer/Civil | 160 | Hrs | 1 | \$39.80 | \$6,368.00 |
| 4-30-01 | Industrial Hygienist | 120 | Hrs | 1 | \$39.80 | \$4,776.00 |
| 5-20-01 | T&D Coordinator | 75 | Hrs | 1 | \$53.80 | \$4,035.00 |
| | | | | | | \$49,053.80 |
| | | | | | | |
| <u>Equipment- Fixed Daily Rate</u> | | | | | | |
| <u>Item No.</u> | <u>Item Description</u> | <u>Quantity</u> | <u>Unit</u> | <u>Amount</u> | <u>Rate/Cost</u> | <u>Amount</u> |
| 1-09-10 | Car Passenger | 21 | Days | 1 | \$34.97 | \$734.37 |
| 1-36-20 | Pickup Truck-4WD | 21 | Days | 1 | \$34.97 | \$734.37 |
| 1-54-30 | Van- Passenger | 21 | Days | 1 | \$49.96 | \$1,049.16 |
| 7-25-20 | Computer-PC | 21 | Days | 2 | \$7.00 | \$294.00 |
| 7-25-30 | Computer-Printer | 21 | Days | 2 | \$7.00 | \$294.00 |
| 7-25-40 | Copier | 21 | Days | 1 | \$7.00 | \$147.00 |
| 7-25-50 | Fax Machine | 21 | Days | 1 | \$7.00 | \$147.00 |
| | | | | | | \$3,399.90 |
| | | | | | | |
| <u>Equipment- Non-Fixed Daily Rate</u> | | | | | | |
| <u>Item No.</u> | <u>Item Description</u> | <u>Quantity</u> | <u>Unit</u> | <u>Amount</u> | <u>Rate/Cost</u> | <u>Amount</u> |
| | Excavator- Mini | 1 | 3 weeks | 1 | \$3,000.00 | \$3,000.00 |
| | Bucket Loader- 3 yard pneumatic tires | 1 | 3 weeks | 1 | \$5,000.00 | \$5,000.00 |
| | Bobcat- skid steer loader | 1 | 3 weeks | 1 | \$4,000.00 | \$4,000.00 |
| | Compactor | 1 | 3 weeks | 1 | \$2,000.00 | \$2,000.00 |
| | | | | | | \$20,799.80 |
| | | | | | | |
| <u>Per Diem, Lodging & Travel</u> | | | | | | |
| <u>Item No.</u> | <u>Item Description</u> | <u>Quantity</u> | <u>Unit</u> | <u>Amount</u> | <u>Rate/Cost</u> | <u>Amount</u> |
| | Lodging | 21 | days | 9 | \$100.00 | \$18,900.00 |
| | Per Diem | 21 | days | 9 | \$46.00 | \$8,694.00 |
| | Travel Expenses | 2 | travel days | 9 | \$300.00 | \$5,400.00 |
| | | | | | | \$32,994.00 |
| | | | | | | |
| <u>Disposal/Miscellaneous</u> | | | | | | |
| <u>Item No.</u> | <u>Item Description</u> | <u>Quantity</u> | <u>Unit</u> | <u>Amount</u> | <u>Rate/Cost</u> | <u>Amount</u> |
| | Utilities | 2 | month | | \$2,500.00 | \$5,000.00 |
| | Structural Evaluation | 1 | months | | \$8,000.00 | \$8,000.00 |
| | PPE | 1 | Lot | | \$3,000.00 | \$3,000.00 |
| | Fuel | 3 | weeks | | \$1,000.00 | \$3,000.00 |
| | Misc. Rental Equipment | 1 | Lot | | \$3,000.00 | \$3,000.00 |
| | T&D (TSCA) | 600 | yards | | \$200.00 | \$120,000.00 |

| | | | | | |
|--------|--|-----------|--|--------------|--------------|
| | Backfill Material | 600 yards | | \$30.00 | \$18,000.00 |
| | ODC Total (Sub) | | | | \$160,000.00 |
| | G&A (ODC*8.5%) | | | | \$13,600.00 |
| | ODC TOTAL | | | | \$173,600.00 |
| | SUM OF ALL COSTS | | | | \$226,053.70 |
| | 20% ERRS Contingency | | | | \$45,210.74 |
| | | | | | |
| | TOTAL ERRS COSTS | | | | \$271,264.44 |
| Notes: | Green Diesel Exhaust Modifications would be an additional cost markup of ~10% on equipment for | | | | ment. |
| | Davis Bacon rates may apply which would markup costs 10%. | costs 20% | | | |
| | Estimate includes design engineering and demobilization of SVE equipment prior to excavation. | | | | |
| | | | | | |
| | ERT-SERAS CONTRACT - Attach. 2 | 1 | | \$120,000.00 | \$120,000.00 |
| | | | | | |
| | GRAND TOTAL ERRS & ERT-SERAS | | | | \$391,264.44 |
| | | | | | |
| Notes: | ERT-SERAS will provide air monitoring & post excavation sampling & analysis. | | | | |
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