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New York State Department of Environmental Conservation
Fixed Fee and Subcontract Management Fee Analysis
MEMORANDUM

To: File
From: Patty Kappeller, Contracts and Payments Section, Division of Environmental Remediation
Subject: Speonk Solvent Plume, D004437-26
Date: October 18, 2012

Fixed Fee Analysis:

1. Base LOE* (hr.):	2018
2. Closeout LOE (hr.):	4758.65
3. Percentage Change LOE (Closeout-Base/Base x 100):	135.8%
4. Is a Fixed Fee adjustment needed?	Yes
5. Original Fixed Fee:	$13,034.00
6. Fixed Fee due at WA closeout:	$31,780.22
7. Fixed Fee claimed at WA closeout:	$22,594.00
8. Increase/Decrease to total Fixed Fee paid out**:	$9,186.22

*Base LOE is calculated as the number of direct labor hours in the original work plan plus the initial hours given for new tasks in subsequent amendments. Original Fixed Fee is calculated as the fixed fee amount in the original 2.11s plus the initial fee given on the Schedule 2.11 (g)s for any new tasks added in subsequent amendments. Do NOT alter the number of hours or the associated fee amounts for tasks in the original work plan even if they are increased later on in amendments. If tasks are deleted in later amendments, those hours and associated fees should be subtracted from the base hours and fee.

**An adjustment is ONLY necessary if the dollar amount in #6 is different from the dollar amount in #7. (The #7 figure is the amount the firm has collected for fixed-fee over the life of the project, including any amount claimed on the final CAP; it's found on the final Schedule 2.11(g) Summary - Column D, Row 9.)

Subcontract Management Fee Analysis:

Subcontractor Name	Actual work performed ($)	Fee due on actual work performed	Fee claimed at closeout	Adjustment to fee paid out

1. Radar Solutions	$22,248.00	$1,112	$1,112	$0
2. ChemWorld Environmental	$3,887.00	$194	$194	$0
3. Yu & Associates	$64,332.00	$0	$0	$0
4. SeaCoast Environmental	$3,855.00	$0	$0	$0
5. Summit Drilling	$69,331.00	$3,467	$3,467	$0
6. TestAmerica	$7,090.00	$0	$0	$0
7. Zebra Environmental	$130,562.00	$6,528	$6,528	$0
8. EDR	$605.00	$0	$0	$0
9. Cape	$88,527.00	$4,426	$4,426	$0
* M/WBE		Total increase/decrease to subcontract management fees:		$0.00

Amount requested on final CAP:	$8,414.01
Adjustment to Fixed Fee:	$9,186.22
Adjustment to Subcontract Management Fees:	$0.00
Amount of final payment:	**$17,600.23**

7/12/2010

New York State Department of Environmental Conservation
Fixed Fee Analysis Table
MEMORANDUM

To: Andrea Indelicato
From: Niriam Parker
Subject: Fixed Fee Analysis for Speonk Solvent Plume #D004437-26
Date: September 28, 2012

I have conducted a fixed fee analysis for the subject work assignment as shown below. If there are any questions, please call me at 732-590-4749.

1 Base LOE (hr): 2018
2 Closeout LOE (hr): 4759
3 Percentage Change LOE: 135.8%
4 Fixed Fee Adjustments: $0.00
5 Original Fixed Fee: $13,034
6 Fixed Fee Increase: $9,560
7 **Final (Closeout) Fixed Fee: $22,594**

Fixed Fee Analysis

Item	*Task*									*Total*
	1	2	3	4	5	6	7	8	9	
Orig LOE (hr.)	490	1041	300	121	66					2018
Orig. Fee ($)	$3,339.00	$6,572.00	$1,875.00	$749.00	$499.00					$13,034.00
Addl. LOE (Amd #1)	136	959	232	0	0					1327
Addl. Fee (Amd #1)	$1,211.00	$6,791.00	$1,539.00	$12.00	$8.00					$9,560.00
Amd. #1 LOE	626	2000	532	121	66					3345
Amd. #1 Fee	$4,550.00	$13,363.00	$3,414.00	$761.00	$507.00					$22,594.00
Addl. LOE (Amd #2)										
Addl. Fee (Amd #2)										
Amd. #2 LOE										
Amd. #2 Fee										
Addl. LOE (Amd #3)										
Addl. Fee (Amd #3)										
Amd. #3 LOE										
Amd. #3 Fee										
Closeout LOE (hr)	768.25	2117	1853.7	1.5	19					4759.5
Closeout Fee ($)	$5,577.00	$11,469.00	$5,431.00	$0.00	$117.00					$22,594.00

ENGINEER: CAMP DRESSER MCKEE & SMITH
CONTRACT NO: STATE SUPERFUND STANDBY
PROJECT NAME: SPEONK SOLVENT PLUME
WORK ASSIGNMENT NO: D004437-26
SUMMARY OF TASKS
PERCENTAGE COMPLETED: 101%

DATE PREPARED: SEPTEMBER 20, 2012
BILLING PERIOD: 10/30/11 - Completion
PAYMENT NO: 73, INVOICE NO: 43-FINAL

SCHEDULE 2.11 (g)
MONTHLY COST CONTROL REPORT
SUMMARY OF FISCAL INFORMATION

	A	B	C	D	E	F	G	H
EXPENDITURE CATEGORY	COSTS CLAIMED THIS PERIOD	PAID TO DATE	TOTAL DISALLOWED TO DATE	TOTAL COSTS INCURRED TO DATE (A+B)	ESTIMATED COSTS TO COMPLETE	ESTIMATED TOTAL WORK ASSIGN. PRICE (A+B+E)	APPROVED BUDGET	ESTIMATED UNDER/(OVER) (G-F)
1. DIRECT SALARY COSTS	$3,136.78	$166,330.63	$0.00	$169,467.41	($48,987.41)	$120,480.00	$120,480.00	$0.00
2. INDIRECT COSTS X 167.9% OT NOT INCLUDED	$5,266.65	$278,353.10	$0.00	284,585.78 ~~$283,849.75~~	($81,331.75)	$202,288.00	$202,288.00	$0.00
3. SUBTOTAL DIRECT SALARY AND INDIRECT COSTS	$8,403.43	$444,683.73	$0.00	$453,087.16	($130,318.16)	$322,769.00	$322,769.00	$0.00
4. TRAVEL	$0.00	$34,784.04	$0.00	$34,784.04	$3,944.96	$38,729.00	$38,729.00	$0.00
5. OTHER NON-SALARY COSTS	$10.58	$13,886.37	$0.00	$13,896.95	$8,475.05	$22,372.00	$22,372.00	$0.00
6. SUBTOTAL DIRECT NON-SALARY COSTS	$10.58	$48,670.41	$0.00	$48,680.99	$12,420.01	$61,101.00	$61,101.00	$0.00
7. SUBCONTRACTORS	$0.00	$390,425.96	$0.00	$390,425.96	$105,884.04	$496,310.00	$496,310.00	$0.00
7a.SUBCONTRACT MGT. FEE	$0.00	$16,082.24	$0.00	$16,082.24	$4,411.76	$20,494.00	$20,494.00	$0.00
8. TOTAL WORK ASSIGNMENT COST	$8,414.01	$899,862.34	$0.00	$908,276.35	($7,602.35)	$900,675.00	$900,675.00	$0.00
9. FIXED FEE	$0.00	$22,594.00	$0.00	31,780.22 ~~$22,594.00~~	$0.00	$22,594.00	$22,594.00	$0.00
10.TOTAL WORK ASSIGNMENT PRICE	$8,414.01	$922,456.34	$0.00	$930,870.35	($7,602.35)	$923,268.00	$923,268.00	$0.00

PROJECT MANAGER ENGINEER Patricia Forgang DATE 25-Sept-2012

ENGINEER: CAMP DRESSER MCKEE & SMITH
CONTRACT NO: STATE SUPERFUND STANDBY
PROJECT NAME: SPEONK SOLVENT PLUME
WORK ASSIGNMENT NO: D004437-26

DATE PREPARED: SEPTEMBER 20, 2012
BILLING PERIOD: 10/30/11 - Completion
PAYMENT NO: 73, INVOICE NO: 43-FINAL

TASK/NAME: 1 WORK PLAN DEVELOPMENT, SITE VISIT, PRELIM MODELING, RECORDS SEARCH REPORT
PERCENTAGE COMPLETED: 121%

SCHEDULE 2.11 (g)
MONTHLY COST CONTROL REPORT
SUMMARY OF FISCAL INFORMATION

	A	B	C	D	E	F	G	H
EXPENDITURE CATEGORY	COSTS CLAIMED THIS PERIOD	PAID TO DATE	TOTAL DISALLOWED TO DATE	TOTAL COSTS INCURRED TO DATE (A+B)	ESTIMATED COSTS TO COMPLETE	ESTIMATED TOTAL WORK ASSIGN. PRICE (A+B+E)	APPROVED BUDGET	ESTIMATED UNDER/(OVER) (G-F)
1. DIRECT SALARY COSTS	$0.00	$29,736.12	$0.00	$29,736.12	($5,476.12)	$24,260.00	$24,260.00	$0.00
2. INDIRECT COSTS X 167.9% OT NOT INCLUDED	$0.00	$49,926.94	$0.00	$49,926.94	($9,193.94)	$40,733.00	$40,733.00	$0.00
3. SUBTOTAL DIRECT SALARY AND INDIRECT COSTS	$0.00	$79,663.06	$0.00	$79,663.06	($14,670.06)	$64,993.00	$64,993.00	$0.00
4. TRAVEL	$0.00	$319.21	$0.00	$319.21	$670.79	$990.00	$990.00	$0.00
5. OTHER NON-SALARY COSTS	$0.00	$537.57	$0.00	$537.57	($37.57)	$500.00	$500.00	$0.00
6. SUBTOTAL DIRECT NON-SALARY COSTS	$0.00	$856.78	$0.00	$856.78	$633.22	$1,490.00	$1,490.00	$0.00
7. SUBCONTRACTORS	$0.00	$1,189.55	$0.00	$1,189.55	($194.55)	$995.00	$995.00	$0.00
7a.SUBCONTRACT MGT. FEE	$0.00	$29.25	$0.00	$29.25	($29.25)	$0.00	$0.00	$0.00
8. TOTAL WORK ASSIGNMENT COST	$0.00	$81,738.64	$0.00	$81,738.64	($14,260.64)	$67,478.00	$67,478.00	$0.00
9. FIXED FEE	$0.00	$5,576.91	$0.00	$5,576.91	($1,026.91)	$4,550.00	$4,550.00	$0.00
10.TOTAL WORK ASSIGNMENT PRICE	$0.00	$87,315.55	$0.00	$87,315.55	($15,287.55)	$72,028.00	$72,028.00	$0.00

ENGINEER: CAMP DRESSER MCKEE & SMITH
CONTRACT NO: STATE SUPERFUND STANDBY
PROJECT NAME: SPEONK SOLVENT PLUME
WORK ASSIGNMENT NO: D004437-26

DATE PREPARED: SEPTEMBER 20, 2012
BILLING PERIOD: 10/30/11 - Completion
PAYMENT NO: 73, INVOICE NO: 43-FINAL

TASK/NAME: 2 SITE CHARACTERIZATION
PERCENTAGE COMPLETED: 85%

SCHEDULE 2.11 (g)
MONTHLY COST CONTROL REPORT
SUMMARY OF FISCAL INFORMATION

	A	B	C	D	E	F	G	H
EXPENDITURE CATEGORY	COSTS CLAIMED THIS PERIOD	PAID TO DATE	TOTAL DISALLOWED TO DATE	TOTAL COSTS INCURRED TO DATE (A+B)	ESTIMATED COSTS TO COMPLETE	ESTIMATED TOTAL WORK ASSIGN. PRICE (A+B+E)	APPROVED BUDGET	ESTIMATED UNDER/(OVER) (G-F)
1. DIRECT SALARY COSTS	$0.00	$72,750.94	$0.00	$72,750.94	($1,494.94)	$71,256.00	$71,256.00	$0.00
2. INDIRECT COSTS X 167.9% OT NOT INCLUDED	$0.00	$121,240.18	$0.00	$121,240.18	($1,600.18)	$119,640.00	$119,640.00	$0.00
3. SUBTOTAL DIRECT SALARY AND INDIRECT COSTS	$0.00	$193,991.12	$0.00	$193,991.12	($3,095.12)	$190,896.00	$190,896.00	$0.00
4. TRAVEL	$0.00	$34,464.83	$0.00	$34,464.83	$2,614.17	$37,079.00	$37,079.00	$0.00
5. OTHER NON-SALARY COSTS	$0.00	$12,582.76	$0.00	$12,582.76	$8,419.24	$21,002.00	$21,002.00	$0.00
6. SUBTOTAL DIRECT NON-SALARY COSTS	$0.00	$47,047.59	$0.00	$47,047.59	$11,033.41	$58,081.00	$58,081.00	$0.00
7. SUBCONTRACTORS	$0.00	$389,236.41	$0.00	$389,236.41	$106,078.59	$495,315.00	$495,315.00	$0.00
7a.SUBCONTRACT MGT. FEE	$0.00	$16,052.99	$0.00	$16,052.99	$4,441.01	$20,494.00	$20,494.00	$0.00
8. TOTAL WORK ASSIGNMENT COST	$0.00	$646,328.11	$0.00	$646,328.11	$118,457.89	$764,786.00	$764,786.00	$0.00
9. FIXED FEE	$0.00	$11,469.02	$0.00	$11,469.02	$1,893.98	$13,363.00	$13,363.00	$0.00
10.TOTAL WORK ASSIGNMENT PRICE	$0.00	$657,797.13	$0.00	$657,797.13	$120,351.87	$778,149.00	$778,149.00	$0.00

ENGINEER: CAMP DRESSER MCKEE & SMITH
CONTRACT NO: STATE SUPERFUND STANDBY
PROJECT NAME: SPEONK SOLVENT PLUME
WORK ASSIGNMENT NO: D004437-26

DATE PREPARED: SEPTEMBER 20, 2012
BILLING PERIOD: 10/30/11 - Completion
PAYMENT NO: 73, INVOICE NO: 43-FINAL

TASK/NAME: 3 FIELD DOCUMENTATION AND REPORTING

PERCENTAGE COMPLETED: 349%

SCHEDULE 2.11 (g)
MONTHLY COST CONTROL REPORT
SUMMARY OF FISCAL INFORMATION

	A	B	C	D	E	F	G	H
EXPENDITURE CATEGORY	COSTS CLAIMED THIS PERIOD	PAID TO DATE	TOTAL DISALLOWED TO DATE	TOTAL COSTS INCURRED TO DATE (A+B)	ESTIMATED COSTS TO COMPLETE	ESTIMATED TOTAL WORK ASSIGN. PRICE (A+B+E)	APPROVED BUDGET	ESTIMATED UNDER/(OVER) (G-F)
1. DIRECT SALARY COSTS	$3,064.33	$63,217.65	$0.00	$66,281.98	($48,074.98)	$18,207.00	$18,207.00	$0.00
2. INDIRECT COSTS X 167.9% OT NOT INCLUDED	$5,145.01	$106,135.06	$0.00	$111,280.07	($80,710.07)	$30,570.00	$30,570.00	$0.00
3. SUBTOTAL DIRECT SALARY AND INDIRECT COSTS	$8,209.34	$169,352.71	$0.00	$177,562.05	($128,785.05)	$48,777.00	$48,777.00	$0.00
4. TRAVEL	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
5. OTHER NON-SALARY COSTS	$10.58	$766.04	$0.00	$776.62	($301.62)	$475.00	$475.00	$0.00
6. SUBTOTAL DIRECT NON-SALARY COSTS	$10.58	$766.04	$0.00	$776.62	($301.62)	$475.00	$475.00	$0.00
7. SUBCONTRACTORS	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
7a.SUBCONTRACT MGT. FEE	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
8. TOTAL WORK ASSIGNMENT COST	$8,219.92	$170,118.75	$0.00	$178,338.67	($129,086.67)	$49,252.00	$49,252.00	$0.00
9. FIXED FEE	$0.00	$5,430.58	$0.00	$5,430.58	($2,016.58)	$3,414.00	$3,414.00	$0.00
10.TOTAL WORK ASSIGNMENT PRICE	$8,219.92	$175,549.33	$0.00	$183,769.25	($131,102.25)	$52,667.00	$52,667.00	$0.00

ENGINEER: CAMP DRESSER MCKEE & SMITH
CONTRACT NO: STATE SUPERFUND STANDBY
PROJECT NAME: SPEONK SOLVENT PLUME
WORK ASSIGNMENT NO: D004437-26

DATE PREPARED: SEPTEMBER 20, 2012
BILLING PERIOD: 10/30/11 - Completion
PAYMENT NO: 73, INVOICE NO: 43-FINAL

TASK/NAME: 4 DOCUMENT DISPOSITION AND DATA
PERCENTAGE COMPLETED: 2%

SCHEDULE 2.11 (g)
MONTHLY COST CONTROL REPORT
SUMMARY OF FISCAL INFORMATION

	A	B	C	D	E	F	G	H
EXPENDITURE CATEGORY	COSTS CLAIMED THIS PERIOD	PAID TO DATE	TOTAL DISALLOWED TO DATE	TOTAL COSTS INCURRED TO DATE (A+B)	ESTIMATED COSTS TO COMPLETE	ESTIMATED TOTAL WORK ASSIGN. PRICE (A+B+E)	APPROVED BUDGET	ESTIMATED UNDER/(OVER) (G-F)
1. DIRECT SALARY COSTS	$72.45	$0.00	$0.00	$72.45	$3,983.55	$4,056.00	$4,056.00	$0.00
2. INDIRECT COSTS X 167.9% OT NOT INCLUDED	$121.64	$0.00	$0.00	$121.64	$6,688.36	$6,810.00	$6,810.00	$0.00
3. SUBTOTAL DIRECT SALARY AND INDIRECT COSTS	$194.09	$0.00	$0.00	$194.09	$10,672.91	$10,867.00	$10,867.00	$0.00
4. TRAVEL	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
5. OTHER NON-SALARY COSTS	$0.00	$0.00	$0.00	$0.00	$195.00	$195.00	$195.00	$0.00
6. SUBTOTAL DIRECT NON-SALARY COSTS	$0.00	$0.00	$0.00	$0.00	$195.00	$195.00	$195.00	$0.00
7. SUBCONTRACTORS	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
7a.SUBCONTRACT MGT. FEE	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
8. TOTAL WORK ASSIGNMENT COST	$194.09	$0.00	$0.00	$194.09	$10,867.91	$11,062.00	$11,062.00	$0.00
9. FIXED FEE	$0.00	$0.00	$0.00	$0.00	$761.00	$761.00	$761.00	$0.00
10.TOTAL WORK ASSIGNMENT PRICE	$194.09	$0.00	$0.00	$194.09	$11,627.91	$11,822.00	$11,822.00	$0.00

ENGINEER: CAMP DRESSER MCKEE & SMITH
CONTRACT NO: STATE SUPERFUND STANDBY
PROJECT NAME: SPEONK SOLVENT PLUME
WORK ASSIGNMENT NO: D004437-26

DATE PREPARED: SEPTEMBER 20, 2012
BILLING PERIOD: 10/30/11 - Completion
PAYMENT NO: 73, INVOICE NO: 43-FINAL

TASK/NAME: 5 CITIZEN PARTICIPATION PLAN
PERCENTAGE COMPLETED: 21%

SCHEDULE 2.11 (g)
MONTHLY COST CONTROL REPORT
SUMMARY OF FISCAL INFORMATION

	A	B	C	D	E	F	G	H
EXPENDITURE CATEGORY	COSTS CLAIMED THIS PERIOD	PAID TO DATE	TOTAL DISALLOWED TO DATE	TOTAL COSTS INCURRED TO DATE (A+B)	ESTIMATED COSTS TO COMPLETE	ESTIMATED TOTAL WORK ASSIGN. PRICE (A+B+E)	APPROVED BUDGET	ESTIMATED UNDER/(OVER) (G-F)
1. DIRECT SALARY COSTS	$0.00	$625.92	$0.00	$625.92	$2,075.08	$2,701.00	$2,701.00	$0.00
2. INDIRECT COSTS X 167.9% OT NOT INCLUDED	$0.00	$1,050.92	$0.00	$1,050.92	$3,484.08	$4,535.00	$4,535.00	$0.00
3. SUBTOTAL DIRECT SALARY AND INDIRECT COSTS	$0.00	$1,676.84	$0.00	$1,676.84	$5,559.16	$7,236.00	$7,236.00	$0.00
4. TRAVEL	$0.00	$0.00	$0.00	$0.00	$660.00	$660.00	$660.00	$0.00
5. OTHER NON-SALARY COSTS	$0.00	$0.00	$0.00	$0.00	$200.00	$200.00	$200.00	$0.00
6. SUBTOTAL DIRECT NON-SALARY COSTS	$0.00	$0.00	$0.00	$0.00	$860.00	$860.00	$860.00	$0.00
7. SUBCONTRACTORS	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
7a.SUBCONTRACT MGT. FEE	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
8. TOTAL WORK ASSIGNMENT COST	$0.00	$1,676.84	$0.00	$1,676.84	$6,419.16	$8,096.00	$8,096.00	$0.00
9. FIXED FEE	$0.00	$117.49	$0.00	$117.49	$389.51	$507.00	$507.00	$0.00
10.TOTAL WORK ASSIGNMENT PRICE	$0.00	$1,794.33	$0.00	$1,794.33	$6,808.67	$8,603.00	$8,603.00	$0.00

Schedule 2.11 (g) - Supplemental

Cost Control Report for Subcontracts

Engineer Camp Dresser McKee & Smith
Contract No. D004437
Project Name Speonk Solvent Plume
Work Assignment No. D004437-26

Page 1 of 1
Date Prepared September 20, 2012
Billing Period 10/30/11-Completion
Invoice No. 43-FINAL

	Subcontract Name	*A* *Subcontract Costs Claimed this Application Inc. Resubmittals*	*B* *Subcontract Costs Approved for Payment on Previous Applications*	*C* *Total Subcontract Costs to Date (A plus B)*	*D* *Subcontract Approved Budget*	*E* *Management Fee Budget*	*F* *Management Fee Paid*	*G* *Total Costs to Date (C plus F)*
1.	Radar Solutions	$0	$22,248	$22,248	$17,370	$869	$1,112	$23,360
2.	ChemWorld Environmental	$0	$3,887	$3,887	$5,278	$264	$194	$4,081
3.	Yu & Associates, Inc.	$0	$64,322	$64,322	$78,277	$0	$0	$64,322
4.	SeaCoast Environmental	$0	$3,855	$3,855	$35,820	$1,791	$0	$3,855
5.	Summit Drilling	$0	$69,331	$69,331	$146,875	$7,344	$3,467	$72,798
6.	Test America	$0	$7,090	$7,090	$7,168	$0	$355	$7,445
7.	Zebra Environmental (geoprobe)	$0	$130,562	$130,562	$38,665	$1,933	$6,528	$137,090
8.	Delta Well	$0	$0	$0	$65,905	$3,295	$0	$0
9.	EDR	$0	$605	$605	$995	$0	$0	$605
10.	Cape	$0	$88,527	$88,527	$99,957	$4,998	$4,426	$92,954
	TOTALS	$0	$390,426	$390,426	$496,310	$20,494	$16,082	$406,508

Project Manager (Engineer) Patricia Forgang **Date** 9/20/2012

NOTES:

1) Costs listed in Columns A, B, C & D do not include any management fee costs.
2) Management fee is applicable to only properly procured, satisfactorily completed, unit price subcontracts over $10,000.
3) Line 11, Cloumn G should equal Line 7 (Subcontractors), Column D of Summary Cost Control Report.

Schedule 2.11(h)
Monthly Cost Control Report
Summary of Labor Hours
Number of Direct Labor Hours Expended to Date/Estimated Number of Direct Labor Hours to Completion

Engineer/Contract # D004437
Project Name Speonk Solvent Plume
Work Assignment No. D004437-26

Date Prepared September 20, 2012
Billing Period 10/30/11-Completion
Invoice No. 43-FINAL

NSPE Labor Classification	*IX Exp/Est*	*VIII Exp/Est*	*VII Exp/Est*	*VI Exp/Est*	*V Exp/Est*	*IV Exp/Est*	*III Exp/Est*	*II Exp/Est*	*I Exp/Est*	*Admin.*	*Total No. of Direct Labor Hrs. Exp/Est*
Task 1	7.5 / 4	59.5 / 40	72.0 / 16	237.5 / 98	0 / 0	92.0 / 123	231.0 / 155	4.75 / 48	17.0 / 0	48.0 / 6	769.25 / 490
Task 2	14.0 / 6	56.5 / 12	1.0 / 10	382.5 / 205	0 / 0	721.0 / 270	406.5 / 460	110.0 / 72	307.5 / 0	1.5 / 6	2000.5 / 1041
Task 3	0.0 / 4	98.5 / 8	7.7 / 12	583.25 / 24	20 / 0	102.5 / 120	551.3 / 80	344.8 / 46	127.3 / 0	133.2 / 6	1968.4 / 300
Task 4	0.0 / 2	0.0 / 2	0.0 / 4	1.5 / 16	0 / 0	0.0 / 31	0.0 / 40	0.0 / 20	0.0 / 0	0.0 / 6	1.5 / 121
Task 5	0.0 / 4	0.0 / 10	0.0 / 8	5.0 / 10	0 / 0	0.0 / 0	14.0 / 28	0.0 / 0	0.0 / 0	0.0 / 6	19.0 / 66
Total Hours	21.5 / 20	214.5 / 72	80.7 / 50	1209.75 / 353	20 / 0	915.5 / 544	1202.8 / 763	459.50 / 186	451.8 / 0	182.7 / 30	4758.65 / 2018

* Expended/Estimated

New York State Department of Environmental Conservation
Division of Environmental Remediation
Bureau of Program Management, Room 1224
625 Broadway, Albany, New York 12233-7012
Phone: (518) 402-9764 • **FAX:** (518) 402-9722
Website: www.dec.state.ny.us

Alexander B. Grannis
Commissioner

July 1, 2009

Mr. Ricky Chenenko
Camp Dresser & McKee
Raritan Plaza I, Raritan Center
Edison, NJ 08818

Re: Signing Documents on Behalf of NYSDEC

Dear Mr. Chenenko:

The Division of Environmental Remediation's (DER) Contracts and Payments Section has been asked by staff of several of the Standby Consultants to clarify the responsibilities and procedures associated with the signing of manifest and/or the proper disposal of wastes from sites under Standby Contract work assignments. Therefore, I am providing that information to ensure that all Standby Consultants are aware of the procedures, and request that they inform all appropriate staff.

The Standby Consultants are authorized to properly dispose of wastes from sites during Site Response (IRMs) and Site Investigations under their Standby Contracts. Schedule one, Scope of Engineering Services includes Site Response as a service to be rendered by the consultants. Proper disposal of wastes requires the preparation of manifests. In addition, all 3rd-round Standby Contracts include a general statement in the 2nd paragraph of Schedule 1 indicating that the work tasks and elements are complementary, and gives the example that the consultant may need to dispose of waste and sign manifests under a remedial investigation. The consultant may also be requested to sign manifests during Construction Oversight.

The DER has established procedures whereby the standby consultants sign manifests "for NYSDEC" in Block 16 of the Hazardous Waste Manifest and fill in "NYSDEC plus the site name and the project engineer's address and phone number in Block 3 of the manifest. The designated facility name and site address (block 9) would be obtained from the NYS Registry of Inactive Hazardous Waste Sites.

DER's Standby Contract Project Managers may also need to subcontract the removal of wastes for the Department during a remedial investigation, remedial design investigation, site response or construction oversight. The intent being to perform each specific task necessary to complete the work element to meet the requirements of the New York State Environmental Conservation Law (ECL) and CERCLA as amended by the Superfund Amendments and Reauthorization Act (SARA) of 1986. Accordingly, the Department authorizes the Standby Consultant to sign, on behalf of the NYSDEC, waste characterization profiles, manifests and bills-of-lading.

The Environmental Protection Agency (EPA) Generator ID number can be obtained from the detailed site description included in the NYS Registry of Inactive Hazardous Waste Disposal Sites in New York State. If the Generator ID is not included in the detailed Registry description of the site, it will be necessary for the NYSDEC project manager to verify if the State already has a Generator ID by contacting the EPA, Region 11. If the State does not have a number for the site, the NYSDEC project manager will need to complete Notification of Regulated Waste Activity, EPA Form 8700-12 (07-90).

If you have any questions and/or comments, I can be reached at (518) 402-9710.

Sincerely,

Andrea Indelicato

Andrea Indelicato
Contracts and Payments Section
Bureau of Program Management

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION

STANDBY CONTRACTOR AUTHORIZATION FORM
For Response & Containment, Investigation & Remediation and Laboratory Services Contractors

General Information

Region: 1 **Site No.:** 152185 **CallOut ID:** 117848

CallOut 04/03/2009

Contract No.: C200305 **PIN (if applicable):**

Contractor Selected: TESTAMERICA LABORATORIES, INC. (LAB)

Location of Site: Speonk Solvent Plume, North Phillips Ave, Speonk (Suffolk Co.)

SCOPE OF WORK (Provide brief detailed description):

The Lab will preform analytical services as requested by NYSDEC and/or their representative(ie. CDM of Edison, NJ). Lab Services include, but are not limited to, analytical testing of groundwater and soil for VOCs by EPA method 8260B; Air by EPA method T0-15, with possible reductions to detection limits as directed; and RCRA Characteristic TCLP waste testing. Results will be supplied within standard turnaround times unless otherwise requested. Sampling and certified containers will be supplied and shipped as required. Data will be forwarded to both NYSDEC (electrionc only) and CDM.

project contacs:
NYSDEC- Robert DeCandia rddecand@gw.dec.state.ny.us
CDM- Ricky Cheneko ChenenkoRA@cdm.com and
Camp Dresser & McKee Raritan Plaza 1 Raritan Center Edison, NJ 08818

This work is being transferred from the current CDM contract; Speonk Solvent Plume, Work Assignment No. D004437-26. CDM's work assigment budget will be reduced by the subcontracted dollar amount being transferred to allow engineering services to continue.

ESTIMATED BUDGET: $ 58,000.00

This serves as authorization to incur costs up to the budgeted amount indicated, to perform the scope of work outlined above in connection with the above-referenced spill/site call out number. The contractor is responsible for immediately notifying the DER project manager if it becomes apparent that the scope of work can not be completed within the budget and/or the scope of work should be amended. The contractor should not incur costs that exceed the budget or perform activities outside the scope of work without the verbal or written approval of the DER project manager. The DER project manager must confirm that approval in writing in an amended Standby Contractor Authorization Form signed by the DER project manager and Rep within two business days.

DER Project Manager Name/Title:

Robert DeCandia EE2 (Print) Robert DeCandia (Signature) Date: 4/3/09

Authorized DER Representative Name/Title:

GUY T BOBERSKY (Print) G T Bobersky (Signature) Date: 4/3/09

New York State Department of Environmental Conservation
Division of Environmental Remediation, 12th Floor
625 Broadway, Albany, New York 12233-7012
Phone: (518) 402-9764 • **FAX:** (518) 402-9722
Website: www.dec.ny.gov

Alexander B. Grannis
Commissioner

March 10, 2009

Mr. Michael Memoli, P.E.
Program Manager
Camp Dresser & McKee
100 Crossways Park West, Suite 415
Woodbury, New York 11797

RE: Schedule 2.11 Approvals
Contract/WA No.: **D004437-26.1**
Site/Spill Name: **Speonk Solvent Plume**
Site/Spill No./PIN: **152185**

Dear Mr. Memoli:

The New York State Department of Environmental Conservation's Division of Environmental Remediation (DER) hereby approves the enclosed Schedule 2.11s for the above referenced WA Amendment in the amount of $405,581 for a total WA amount not to exceed $984,526. Your firm may now submit a request for reimbursement for work completed under this WA.

If you have any questions regarding the WA, please contact the Project Manager, Rob Decandia at (518) 402-9621.

Sincerely,

Michael J. Cruden, P.E.
Chief
Contracts and Payments Section
Bureau of Program Management
Division of Environmental Remediation

Attachments

ec: R. DeCandia, PM
A. Indelicato, CM
D. Desnoyers
S. Ervolina
D. Weigel
M. Cruden
C. Vasudevan
G. Bobersky
W. Parish, Region 1
D. Finlayson
T. Wolosen
M/WBE Unit

DOB/Office of the Director of State Operations Approved Request

Agency Code: 09000 **Agency:** Environmental Conservation, Department of
Request #: 09000-15-2008
Request Type: Capital - Change Orders / Other
NPS Type: N/A
Agency Contact: NANCY LUSSIER - 518-402-9228
Date Submitted to DOB: 02/19/2009

Request Title: Speonk Solvent Plume, Site #152185

Description: CDM, Contract #D004437 Work Assignment #26 Speonk Solvent Plume amendment, Site #152185. Based on the site characterization work completed to date, it was found that supplemental site characterization is necessary on the project. This includes geophysical surveying, passive soil gas screening, soil boring and groundwater investigation, test pits, and soil vapor sampling.

Justification: The authority for engineering standby contracts is granted by ECL. Engineering standby contracts are typically used to address inactive hazardous waste sites or incidences under Navigaton Law. Cleanup of inactive hazardous waste sites are performed under 6 NYCRR Part 375 Environmental Remediation Programs. Once the contract is approved, site specific work assignments are issued.

Status

Status: Approved
Date Approved: 02/25/2009
DOB Approver: NANCY REUSS
Unit: Economic Development, Energy and Environment Unit
Validated by the Office of the Director of State Operations

Estimated Value
This Request: $ 394,594.00

CDM

Raritan Plaza I, Raritan Center
Edison, NJ 08818
tel: 732-225-7000
fax: 732-225-7851

February 6, 2009

Ms. Andrea Indelicato
Contract Manager
New York State Department of Environmental Conservation
625 Broadway
Albany, New York 12233

PROJECT: NYSDEC Standby Contract No. D004437
Work Assignment No.: D004437-9
Addendum No. 1 /Rebudget

SUBJECT: Site/Spill No./PIN: 152185

Site/Spill Name: Speonk Solvent Plume

Program Element: Site Characterization
Speonk, Suffolk County, New York

Dear Ms. Indelicato:

Camp Dresser & McKee (CDM) is pleased to provide this explanation of the changes that have been made to the budget for the above referenced project. The overall cost of the project has increased from the $578,945 that was authorized in the Work Plan Approval/Notice to Proceed dated June 23, 2008 to a new upper limit of $984,526.41.

Moving the authorized direct labor hours budgeted from year 2008 to year 2009 is necessary, and based on the site characterization findings to date, supplemental site characterization services are necessary and were requested by the NYSDEC project manager, Robert DeCandia. These supplemental site characterization services are driven by the need to fill in data gaps resulting from site characterization activities conducted to date, and other activities that were requested to satisfy the New York State and Suffolk County health departments' requests resulting from public meeting discussions.

Following is a summary of the changes that were made to the project budget (Schedule 2.11 forms):

- Supplemental Task 1 work plan development services are necessary for the supplemental site characterization services described in Task 2.
- Authorized labor budgets that were not used in 2008 have been rebudgeted for 2009 for Tasks 2 through 5.
- Details of the supplemental Task 2 site characterization work plan, based on the findings of the site characterization work completed by CDM to date, and as discussed and agreed to with NYSDEC's project manager, are included in **Attachment 1.** The supplemental work includes geophysical surveying, passive soil gas screening, soil boring and groundwater investigation, test pits, and soil vapor sampling.
- The IDW subcontractor authorized in the initial workplan had to be changed from the low bidder because the company would not agree to the subcontract payment terms. Therefore, the IDW subcontract was awarded to the next lowest bidder , with concurrence from Robert DeCandia. In addition, the scope was expanded based upon the additional site investigations. This resulted in an IDW subcontract price change from $27,460.00 to $35,820.00.
- A subcontractor, Ken Shider, who had initially been authorized to assist with preparing the M/WBE utilization planning for this contract has been deleted.

Estimated Budget and Level of Effort (LOE) Summary
Speonk Solvent Plume
Speonk, New York
Site No. 1-52-185

Task Items	Description/Cost	Dollars	
1	Work Plan Development	Increased	$17,754.98
		Total	$72,027.70
2	Site Characterization Investigation	Increased	$363,974.10
		Total	$839,406.99
3	Field Documentation and Reporting	Increased	$23,533.12
		Total	$52,666.66
4	Document Disposition and Data	Increased	$179.90
		Total	$11,822.28
5	Citizen Participation Plan	Increased	$154.56
		Total	$ 8,618.18
	Total Estimated Budget Increase		**$405,581.26**
	Total Estimated Budget (Tasks 1 - 5)		**$984,526.41**

- **Attachment 2** presents the detailed costs by task and subtask on the NYSDEC schedule 2.11. A Work Assignment Budget sheet, which summarizes the expenditures by task, is also provided in **Attachment 2.**
- The addition of the Addendum No. 1 costs to the budget of this work assignment is expected to result in the W/MBE participation on the project to be 39% of the total project budget.

To meet the requirements of the MBE/WBE program, CDM has prepared the following utilization plan:

Total Dollar Value of the work assignment	**$984,526**
MBE Percentage Goal	15%
MBE Dollar Value Goal	$147,679
Actual	$ 78,277
WBE Percentage Goal	5%
WBE Dollar Value Goal	$ 49,226
Actual	$235,428
Combined MBE/WBE Percentage Goal	20%
Combined MBE/WBE Dollar Value Goal	$196,905
Actual	$313,705

Minority and woman-owned firms are expected to participate as follows:

Services to be Provided	Description of Services	Subcontractor Name and Contact Information	Proposed Subcontract Price
WBE Geophysical Survey	Utility markout	Radar Solutions Inc. Doria Kutrubes (781)891-4492	$17,370
WBE Drilling and Hydropunch®	Soil boring and groundwater profiling	Summit Drilling Co., Inc. Robert Kreilick (800)242-6648	$146,875
WBE Drilling	Well Installation	Delta Well Chris Okon 631-981-2255	$65,905
MBE - Survey and Field Services	Sample Location Survey and Soil Gas Screening	Yu & Associates, Inc. Andrew Leung	$78,277

		201-791-0075	
WBE - Data Validation	DUSR	ChemWorld Environmental Andrea Schuessler (301) 294-6144	$5,278
		TOTAL	$313,705

If you have any questions, or need additional information, please do not hesitate to contact me.

Very truly yours,

P Forgang

Patricia Forgang, CHMM
Project Manager
Camp Dresser & McKee Inc.

Enclosures - Attachments 1 and 2

cc: R. DeCandia/NYSDEC
R. Chenenko/CDM
D. Durfee/CDM
File 0897-63563-workplan add

Attachment 1

2.4 Task 2 – Site Characterization Work Plan

Passive soil gas sampling and surface geophysics have been performed at two potential source areas of the Speonk Solvent Plume. Soil borings and groundwater profiling are currently underway at these areas. Borings/groundwater profiling are being performed by mud rotary drilling in order to fully penetrate the upper glacial aquifer, which is estimated to be approximately 200 feet thick.

The supplemental tasks described below will be used to investigate additional possible source areas by passive soil gas (Old Country Road Pink Building and location of rumored paint waste dumping – lot 1 blocks 7 and/or 9), perform soil vapor sampling requested by the New York State Department of Health (NYSDOH) and perform additional soil borings/groundwater profiling by direct push methods. This Work Plan references procedures detailed in the CDM Generic Quality Assurance Project Plan (QAPP) dated February 2008 which has been provided to NYSDEC for Contract Number D-00437. The Generic QAPP presents methods that will be used to collect field data and quality assurance/quality control (QA/QC) procedures that will be used to manage data quality. A copy of the Generic QAPP is included in Appendix C of this Work Plan.

The following section presents the anticipated field activities proposed for the Speonk Solvent Plume site characterization. Refer to Figure 2-3 for potential areas of interest. Field documentation and sampling procedures are provided in the CDM Generic QAPP referenced above. Applicable procedures contained in the Generic QAPP will be followed.

2.4.1 Geophysical Survey

Surface geophysical surveys will be used to clear boring locations of utilities in areas where the one-call service does not mark out utilities (i.e., the interior portions of private property), and to determine the northern limit of buried metal identified during the previous geophysical survey.

Geophysical surveys will be performed in accordance with the QAPP. The surveys will utilize ground penetrating radar (GPR) and electromagnetic conductivity (EC) or other applicable methods. Methods will be selected to identify underground utilities, water lines, buried drums, underground storage tanks and/or large anomalies such as conduits. In the case of

drilling locations, subsurface utilities will be marked within 15 feet of each proposed location to allow for the relocation of borings if necessary, for example due to refusal.

For this activity, 4 field days are estimated to complete this work, assuming a total of 30 borings will require clearing.

2.4.2 Passive Soil Gas Screening

Passive soil gas samplers will be deployed in grid patterns at potential source areas south of Old Country Road. The samplers are left in the subsurface for approximately two weeks. Assuming similar deployment times and lithogic conditions, the amount of VOCs adsorbed is proportional to the amount of VOCs present in the vicinity of the sampler. Thus, analyzing samplers deployed in a grid pattern can help identify hot spots and potential VOC source areas.

Grid spacing depends upon the area to be investigated and the specific objective of each investigation. In this case, grid spacing of 50 feet is anticipated; larger grid spacing may also be appropriate depending upon the size the investigation area and the suspected source.

Two properties are proposed for passive soil gas sampling:

- Reported site of historical dumping at Block 1 lots 7 and/or 9
- Old Country Road Pink Building (SV-F05-SV-21).

For budgetary purposes, it is assumed that 80 passive soil gas samplers can be deployed in three working days and retrieved in two working days. Once the site and grid spacing have been determined, the passive soil gas screening investigation is performed as follows:

Mark out soil gas sample locations with stakes or flags (or chalk/paint on concrete/asphalt surfaces). Drill a 1-½-inch diameter hole to a depth of 12-inches using a hammer and a metal stake, or a hammer drill if necessary. For locations covered by asphalt or concrete surfacing, drill a 1-½ diameter hole with a hammer drill through the pavement and underlying substrate, to the underlying soils. In areas of very organic topsoil, the sleeve should be installed below the organic layer. In paved/concrete covered areas, the sleeve must penetrate the entire thickness of the gravel substrate typically installed beneath paved areas, in order to

isolate the sampler from vapors that may be migrating in the porous media directly beneath the pavement.

Line the hole with a 12-inch long sanitized metal pipe sleeve (provided in the passive soil gas kit). Tap the pipe one inch onto the soil, so that the top of the pipe is one inch below the ground surface.

Once the metal sleeve is set, install the passive soil gas sampler in the top four inches of the sleeve, in accordance with the manufacturer's procedure (summarized below):

- Remove sampler from glass vial and straighten the retrieval wire;
- Remove solid cap from vial and replace with sampling cap; save the solid cap;
- Lower the sampler, open end down into the sleeve approximately 4 inches so that retrieval wire sticks out of the he hole.
- Cover the open end of the sleeve with a ball of aluminum foil, pressing it tightly with a tapping dowel so it forms a seal;
- For soil surface installations: Cover the hole to grade with local soils or sand, leaving the retrieval wire exposed; collapse the soils above the sampler with the hammer; coil the wire at ground surface and mark the location with a pin flag or wood stake.
- For paved/concrete surface installations: bend the retrieval wire over the top of the sleeve, plug the top of the hole with aluminum foil so that it seals the sleeve and rests ¼-inch below the surface, then cover the hole with ¼-inch thick concrete.
- Note date and time of deployment on Field Deployment Sheet.

Following the 10-day exposure period, collect the samplers and ship them to the laboratory with a trip blank. Retrieve samplers in the following manner:

- While holding onto the retrieval wire, remove the aluminum foil plug with vice grips or scratch awl;
- Retrieve sampler;

- Clean sides of vial with clean towel
- Remove sampling cap, cut wire from vial and clean threads with gauze
- Screw on the solid cap; clean vial with gauze;
- Record sample number corresponding to grid location on cap label with ballpoint pen;
- Place sealed and labeled vial into small plastic bag (sampler bag);
- Note date and time of retrieval on Field Deployment Sheet.
- Place up to 25 sampler bags and one trip blank into larger "return shipment bag"
- Ship samples to laboratory with Field Deployment Sheet and Chain of Custody form – no cooling of samples;
- Patch sample holes as necessary.

2.4.3 Soil Boring Investigation

A soil boring investigation will be performed to investigate potential source areas for residual soil contamination in the vadose zone, and investigation of the deeper strata to determine the bottom of the upper glacial aquifer. Test boring locations will be selected based upon the existing body of data, up to and including the results of Task 1 of this work plan, and the results of borings performed in November 2008. Potential areas to perform soil borings and soil sampling for VOC are listed below. Based upon the results Task 1B and Task 1C, areas may be removed from or added to this list:

- The area on Circle Place in the vicinity of MW-S01 (former Gore Sorber SV-CO1).
- Old Country Road Pink Building (SV-F05-SV-21).
- Reported site of historical dumping at Block 1 lots 7 and/or 9
- Vicinity of drums observed in so-called "crop circle" area.
- Potential upgradient sources (north of proposed Woodfield Gables development)

Refer to Figure 2-3 for potential areas of interest. Soil borings will be advanced by direct push drilling methods. Drilling and sampling will be performed in accordance with the Generic QAPP. Each soil sample will be characterized by an on-site CDM geologist. Depth, soil type, moisture, evidence of contamination (photoionization detector readings, visual evidence etc.) will be recorded. Soil samples will be collected to the water table; if gross contamination is observed then soil samples will continue into the water table until near background readings are observed. For budgetary purposes, it is assumed that two vadose zone soil samples in each of 10 groundwater profiling boreholes will be analyzed for VOC. These soil boring samples will be collected at the same time as the groundwater profiling activities (see 2.4.4.1 below).

2.4.4 Groundwater Investigation

Groundwater profiling will be performed by direct push drilling. Potential areas of interest are shown in Figure 2-3. A temporary well will be advanced to refusal, purged and sampled. Groundwater samples will be collected at 10-foot intervals moving up the borehole. For budgeting purposes it is assumed that profiles will be 120 feet in depth (anticipated depth of refusal). Groundwater samples will be collected at 10-foot sample intervals. It is assumed that each water sample collected will be visually clear within 1 hour of purging. Drilling and sampling will be conducted in general accordance with the Generic QAPP. However, the QAPP requirement that turbidity be less than 50 NTU will not be applied if purging time exceeds one hour.

Field screening (e.g., head space) will be performed on each sample collected. As an economical measure, only fifty percent of the samples collected at each groundwater profile location will be submitted to the laboratory for VOC analysis.

For this activity, 14 field days are estimated to complete groundwater profiling along with soil boring sampling.

2.4.5 Soil Vapor Sampling

Soil vapor sampling will be performed at up to 20 locations determined by NYSDEC and/or NYSDOH. Soil vapor samples will be collected from a depth of 8 feet below ground surface using direct push drilling techniques. Samples will be collected in Summa canisters and analyzed for VOC by method TO-15. A helium tracer test will be performed on 25 percent of

the samples to verify that short circuiting of ambient air is not influencing the samples. In addition, an ambient air sample will be collected on each day of soil vapor sampling.

For this activity, 3 days are estimated to install the soil gas sampling points and four days are estimated to collect the samples.

The protocol for this effort will follow NYSDEC Division of Environmental Remediation Draft DER-10 Technical Guidance for Site Investigation and Remediation, dated December 2002. Details are provided below.

The borehole will be advanced to a depth of 8 feet. Once the desired depth is reached, 3/8-inch Teflon®-lined tubing will be connected to a 6-inch double woven stainless steel sampling screen and placed in the borehole. The borehole will then backfilled with sand to a minimum depth of 6 inches above the screen interval followed by dry bentonite, hydrated in the borehole, to surface (water will be added to the surface periodically as the bentonite is installed, in order to achieve hydration at depth). The bentonite will be allowed to hydrate for a minimum of 24 hours prior to sample collection.

Prior to collection of soil vapor samples, the temporary soil vapor probes will be purged in accordance with the NYSDOH SVI Guidance. One to three implant volumes (i.e. volume of the sample probe and tube) will be purged at a flow rate that does not exceed 200 milliliters (ml) per minute. A tedlar™ bag will be filled toward the end of the purge volume to be screened using a photoionization detector (PID) meter. The PID readings will be observed and recorded on the appropriate field form. The samples will be collected using laboratory-certified clean summa canisters with flow regulators and a vacuum of 28 inches Hg ± 2 inches. A vacuum of 5 inches Hg ± 1 inch must be present when sample collection is terminated. The soil vapor purging procedures are detailed further in the Generic QAPP.

Tracer gas will be used to evaluate short-circuiting of the sampling zone with ambient air at 25 percent of the sample locations. The soil vapor sampling locations will be evaluated with tracer gas in accordance with the NYSDOH SVI guidance. The tracer gas sampling procedure is provided in the Generic QAPP.

Samples will be collected using laboratory certified clean SUMMA canisters with

regulators that will allow sample collection at two hours or less. Dedicated Teflon®-lined tubing with an inside diameter of ¼ inch will be used at each sample location. The flow rate during sampling shall not exceed 0.2 liters per minute to minimize outdoor air infiltration during sampling. During soil vapor sampling collection, an outdoor ambient air sample will be collected each day.

Upon completion of sampling, the sample tubing will be removed and the temporary soil vapor probe location backfilled with bentonite. Borings performed in paved or concrete areas will be backfilled and refinished at the ground surface with concrete or cold patch.

2.4.6 Test Pits

Test pits will be excavated at locations where buried metal was detected during the October 2008 geophysical investigation. The purpose of test pit excavation is to investigate the geophysical anomalies and to collect soil samples for VOC analysis. The resulting data will be used to evaluate whether the buried metal may be a contributing source of the Speonk Solvent Plume. For cost estimated purposes, 35 soil samples plus field blanks and duplicates are assumed.

A total of 28 test pit locations were recommended in the geophysical report of the October 2008 investigation. Additional test pits may be required further to the north based upon the proposed delineation of the buried metal in this area (Section 2.4.1). For cost estimating purposes, a total of 30 test pits are assumed.

The test pits will be located within a Formerly-Used Defense Site that included several target ranges. Therefore, the test pits will be excavated using unexploded ordnance (UXO) safety procedures. The following activities are expected to be conducted as part of the test pit investigation:

- Prepare amendment to site Health and Safety Plan for UXO-related work
- Mobilize backhoe, shielding, UXO detection equipment and other required supplies and materials
- Locate test pits based on GPS coordinates

- Perform necessary brush clearing and tree removal
- Excavate to recommended depth based upon geophysical report. Scan for possible UXO while excavating using hand held metal detectors
- Hand dig where necessary based upon UXO screening
- Identify and classify metallic materials as munitions and explosives of concern (MEC), including unexploded ordnance (UXO) items, discarded military munitions (DMM) munitions debris (MD) or other, such as drums or cultural debris. DMM or inert training ordnance found will be inspected to determine if the item is material potentially presenting explosive hazard (MPPEH).
- Secure MPPEH items and notify local authorities and/or the United States Army Corps of Engineers. The manner of security depends upon explosion risk, and may consist of 24-hr security arrangements, security fencing or removal to a locked storage container until authorities respond.
- Should drum(s) be encountered, remove to a remote area and sample the contents. Open intact drums at a remote location with a drum spike attached to a backhoe bucket. Place drum(s) in overpack container(s) for disposal. For cost purposes, a total of 5 overpack containers are assumed.
- Collect soil or liquid samples for VOC analysis based upon field observations, including drums or potentially contaminated soil. For cost purposes, a total of 35 soil samples and 5 liquid samples are assumed.
- Contain grossly contaminated soil in drums for off-site disposal. For cost purposes, a total of fifteen 55-gallon drums are assumed.
- Backfill test pit first with debris and then remaining soil.
- Decontaminate (pressure wash) backhoe bucket between test pits and contain fluid for off-site disposal.

Safety procedures, in addition to UXO monitoring will include:

- CDM's site safety officer will check with the UXO specialist on appropriate safety procedures.
- Monitoring for volatile organic compounds, oxygen and lower explosive limit
- Standard excavation sloping techniques to accommodate personnel entering the test pit (although entry will be minimized).
- Temporary fencing will be erected around test pits should it be necessary to leave them open over night with no security personnel
- Level B protection will be used when necessary, such as when sampling drums or as warranted based upon vapor readings in the excavation

Schedule 2.11(a)

Summary of Work Assignment Price

Work Assignment Number D004437-26

1) Direct Salary Costs (Schedules 2.10(a) and 2.11(b))	$120,481
2) Indirect Costs (Schedule 2.10(g))	$202,288
3) Direct Non-Salary Costs (Schedules 2.10(b)(c)(d) and 2.11(c)(d))	$61,101

4) Subcontract Costs

Cost-Plus-Fixed-Fee Subcontracts (Schedule 2.10(e) and 2.11(e))

	Name of Subcontractor	Services To Be Performed	Subcontract Price
i)	Yu & Associates, Inc	Passive soil gas / Survey (MBE)	$78,277
ii)			
iii)			

A) Total Cost-Plus-Fixed-Fee Subcontracts $78,277

Unit Price Subcontracts (Schedule 2.10 (f) and 2.11 (f))

	Name of Subcontractor	Services To Be Performed	Subcontract Price
i)	EDR	Database Search	$995
ii)	Zebra Environmental Corp.	Geoprobe (soil vapor and groundwater profiling	$38,665
iii)	TestAmerica	Groundwater and Soil Vapor Analytical	$65,168
iv)	SeaCoast	IDW disposal	$35,820
v)	Chemworld Environmental	WBE Data Validation	$5,278
vi)	Radar Solutions International	WBE Geophysics (borehole clearing)	$17,370
vii)	Delta Well	WBE Well Driller	$65,905
viii)	Summit Drilling	WBE Borings, Groundwater Profiling	$146,875
viii)	Cape	Test Pits with UXO Precautions	$99,957

B) Total Unit Price Subcontracts $476,034

5) Subcontract Management Fee	$23,752
6) Total Subcontract Costs (lines 4A + 4B + 5)	$578,062
7) Fixed Fee (Schedule 2.10(h))	$22,594
8) Total Work Assignment Price (Lines 1 + 2 + 3 + 6 + 7)	$984,526

Engineer/Contract # D004437
Project Name Speonk Solvent Plume
Work Assignment No. D004437-26

Date Prepared: 12/22/2008

Schedule 2.11(b)
Direct Labor Hours Budgeted

Labor Classification	IX	VIII	VII	V	IV	III	II	I	Admin Support	Total No. of Direct Labor Hours and Costs Budgeted
*Av. Salary Rate ($) Year 2008	$65.24	$59.42	$52.09	$45.95	$32.86	$28.62	$25.52	$21.12	$21.12	0

Description	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost
Task 1 Work Plan Development	8	$521.92	40	$2,376.80	30	$1,562.70	110	$5,054.50	120	$3,943.20	140	$4,006.80	60	$1,531.20	0	$0	12	$253.44	520	$19,250.56
Task 2 Site Characterization	6	$391.44	16	$950.72	10	$520.90	85	$3,905.75	120	$3,943.20	180	$5,151.60	26	$663.52	0	$0	6	$126.72	449	$15,653.85
Task 3 Field Documentation and Reporting	0	$0.00	0	$0.00	0	$0.00	0	$0.00	0	$0.00	0	$0.00	0	$0.00	0	$0	0	$0.00	0	$0.00
Task 4 Document Disposition and Data	0	$0.00	0	$0.00	0	$0.00	0	$0.00	0	$0.00	0	$0.00	0	$0.00	0	$0	0	$0.00	0	$0.00
Task 5 Citizen Participation Plan	0	$0.00	0	$0.00	0	$0.00	0	$0.00	0	$0.00	0	$0.00	0	$0.00	0	$0	0	$0.00	0	$0.00
Total Hours	14		56		40		195		240		320		86		0		18		969	
Total Direct Labor Cost ($) Year 2008		$913.36		$3,327.52		$2,083.60		$8,960.25		$7,886.40		$9,158.40		$2,194.72		$0.00		$380.16		$34,904.41

* For multiple years use one average salary rate row for each year and each years subtotal Labor Cost.

Labor Classification	IX	VIII	VII	V	IV	III	II	I	Admin Support	Total No. of Direct Labor Hours and Costs Budgeted
*Av. Salary Rate ($) Year 2009	$66.26	$60.35	$52.90	$46.67	$33.38	$29.07	$25.92	$21.45	$21.45	0

Description	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost
Task 1 Work Plan Development	8	$530.08	8	$482.80	10	$529.00	60	$2,800.20	20	$667.60	0	$0.00	0	$0.00	0	$0	0	$0.00	106	$5,009.68
Task 2 Site Characterization	20	$1,325.20	20	$1,207.00	20	$1,058.00	360	$16,801.20	625	$20,862.50	400	$11,628.00	100	$2,592.00	0	$0	6	$128.70	1551	$55,602.60
Task 3 Field Documentation and Reporting	6	$397.56	18	$1,086.30	16	$846.40	60	$2,800.20	200	$6,676.00	140	$4,069.80	80	$2,073.60	0	$0	12	$257.40	532	$18,207.26
Task 4 Document Disposition and Data	2	$132.52	2	$120.70	4	$211.60	16	$746.72	31	$1,034.78	40	$1,162.80	20	$518.40	0	$0	6	$128.70	121	$4,056.22
Task 5 Citizen Participation Plan	4	$265.04	10	$603.50	8	$423.20	10	$466.70	0	$0.00	28	$813.96	0	$0.00	0	$0	6	$128.70	66	$2,701.10
Total Hours	40		58		58		506		876		608		200		0		30		2376	
Total Direct Labor Cost ($) Year 2009		$2,650.40		$3,500.30		$3,068.20		$23,615.02		$29,240.88		$17,674.56		$5,184.00		$0		$643.50		$85,576.86

Total Hours	54		114		98		701		1116		928		286		0		48		3345	
Total Direct Labor Cost ($) Year 2008 and 2009		$3,563.76		$6,827.82		$5,151.80		$32,575.27		$37,127.28		$26,832.96		$7,378.72		$0.00		$1,023.66		$120,481.27

Engineer/Contract # D004437
Project Name Speonk Solvent Plume
Work Assignment No. D004437-26

Date Prepared: _____

Schedule 2.11(b-1)
Direct Administrative Labor Hours Budgeted

Labor Classification		IX	VIII	VII	VI	V	IV	III	II	I	Admin. Support	Total No. of Direct Labor Hrs.
Task 1	Work Plan Development	4	12	4	1	0	0	0	0	0	12	33
Task 2	Site Characterization	6	16	4	0	0	0	0	0	0	10	36
Task 3	Field Documentation and Reporting	4	8	0	0	0	0	0	0	0	10	22
Task 4	Document Disposition and Data	2	1	0	0	0	0	0	0	0	6	9
Task 5	Citizen Participation Plan	2	1	0	0	0	0	0	0	0	6	9
TOTAL HOURS		18	38	8	1	0	0	0	0	0	44	109

Contract/Project administrative hours would include (subject to contract allowability) but not necessarily be limited to the following activities:

1) Work Plan Budget Development
   > Conflict of Interest Check
   > Budget schedules & supporting documentation
2) Review work assignment (WA) progress
   > Conduct progress reviews
   > Prepare monthly project report
   > Update WA progress schedule
   > Prepare M/WBE Utilization Report
3) Contractor Application for Payment (CAP)
   > Oversee and prepare monthly CAP
4) Program Management
   > Prepare monthly cost control report
   > Cost control reviews
   <> Staffing Plans
   >Manage subcontracts
   > NSPE list update
   > Equipment inventory
5) Miscellaneous
   > Conduct Health and Safety Reviews
   > Word processing and graphic artists
   > Report editing

Contract/Project Administration hours would **not** includ
1) QA/QC reviews
2) Technical oversight by management
3) Develop subcontracts
4) Work plan development
5) Review of deliverables

Schedule 2.11 (c)

Direct Non-Salary Costs
Work Assignment Number **D004437-26**

Item		Max. Reimbursement * Rate (Specify Unit)	Est. No. of Units	Total Estimated Cost
Other				
1)	Shipping Task 1	LS	1	$75.00
2)	Outside Printing Task 1	LS	1	$300.00
3)	Shipping Task 3	LS	1	$75.00
4)	Outside Printing Task 3	LS	1	$400.00
5)	Shipping Task 1 - Supplemental	LS	1	$75.00
6)	Outside Printing Task 1 -Supplemen	LS	1	$50.00
7)	Shipping Task 4	LS	1	$50.00
8)	Outside Printing Task 4	LS	1	$145.00
9)	Shipping Task 5	LS	1	$50.00
10)	Outside Printing Task 5	LS	1	$150.00
Miscellaneous Task 1 - Workplan Development/Groundwater Model/Record Search				
1)	Meals (per day)	$64.00	3	$192.00
2)	Lodging (per day)	$127.00	3	$381.00
3)	Mileage (per mile)	$0.550	660	$363.00
4)	PPE (level D) (per day)	$15.00	0	$0.00
5)	Tolls	$18.00	3	$54.00
6)	LVE	$1.00	0	$0.00
			Sub-Total Other	$2,360.00
Miscellaneous Task 2 - Site Characterization - Initial Scope				
1)	Meals (per day)	$64.00	86	$5,504.00
2)	Lodging (per day)	$127.00	86	$10,922.00
3)	Mileage (per mile)	$0.550	8800	$4,840.00
4)	PPE (level D) (per day)	$15.00	86	$1,290.00
5)	Tolls	$18.00	40	$720.00
6)	LVE	$1.00	86	$86.00
7)	Cooler Overnight Ship	$125.00	15	$1,875.00
Miscellaneous Task 2 - Site Characterization - Supplemental Scope 1				
1)	Meals (per day)	$64.00	57	$3,648.00
2)	Lodging (per day)	$127.00	57	$7,239.00
3)	Mileage (per mile)	$0.550	6600	$3,630.00
4)	PPE (level D) (per day)	$15.00	57	$855.00
5)	PPE (level C) (per day)	$35.00	10	$350.00
6)	PPE (level B) (per day)	$110.00	22	$2,420.00
5)	Tolls	$18.00	32	$576.00
6)	LVE	$1.00	57	$57.00
7)	Cooler Overnight Ship	$125.00	16	$2,000.00
8)	Brush Disposal (per cubic yard)	$9.00	50	$450.00
			Sub-Total Miscellaneous Task 2	$46,462.00
			Supplemental Scope 1 only	$18,005
Miscellaneous Task 5 - Citizen Participation Plan				
1)	Meals (per day)	$64.00	2	$128.00
2)	Lodging (per day)	$127.00	2	$254.00
3)	Mileage (per mile)	$0.550	440	$242.00
4)	PPE (level D) (per day)	$15.00	0	$0.00
5)	Tolls	$18.00	2	$36.00
6)	LVE	$1.00	0	$0.00
			Sub-Total Miscellaneous Task 5	$660.00
			Total Direct Non-Salary Costs	$49,482.00

Work Assignment No. D004437-26

Schedule 2.11(d) 3

Maximum Reimbursement Rate for Vendor Rented Equipment

Item	Max Reimbursement Rate ($)*	Est. Usage (unit of time)		Est. Rental Cost ($) (Col. 2 x 3)
Task 2 - Initial Scope				
PID (per month)	$400.00	2		$800.00
CGI (per month)	$250.00	2		$500.00
Submersible pump (per week)	$160.00	3		$480.00
Oil-Water Interface probe (per day)	$25.00	7		$175.00
Water level meter (per week)	$28.00	1		$28.00
Horiba U-22 Water Quality meter (per week)	$165.00	1		$165.00
Poly tubing 3/8 x 1/2 (per foot)	$0.25	750		$187.50
Generator (per week)	$75.00	1		$75.00
Low-flow pump <0.2 L/min (per day)	$25.00	7		$175.00
Cargo Van (per week)	$225.00	6		$1,350.00
			Subtotal	**$3,935.50**
Task 2 - Supplemental Scope 1				
PID (per month)	$400.00	2		$800.00
CGI (per month)	$250.00	2		$500.00
Helium meter (per week)	$206.50	1		$206.50
Helium tank	$60.00	1		$60.00
Low flow air pump (per week)	$27.50	2		$55.00
Water level meter (per week)	$28.00	4		$112.00
Cargo Van (per week)	$225.00	9		$2,025.00
GPS (per week)	$270.00	5		$1,350.00
Compressed air cylinders	$60.00	12		$720.00
			Subtotal	**$5,828.50**
			TOTAL:	**$9,764.00**

* Reimbursement will be made at the Maximum Reimbursement rate or the actual rental rate, whichever is less.

Work Assignment No. D004437 -26

Schedule 2.11(d) 5

Consumable Supplies

Item	Estimated Quantity	Unit Cost ($)		Total Budgeted Cost (Col. 2 x3) ($)
Task 2 - Initial Scope				
Jars - headspace	200	$0.45		$90.00
Gasoline for Cargo Van per gallon	132	$4.50		$594.00
			Subtotal	**$684.00**
Task 2 - Supplemental Scope 1				
Teflon tubing - 100 ft roll	1	$210.60		$210.60
Male connectors - ends up tubing	20	$6.30		$126.00
T-connectors	1	22.5		$22.50
Gasoline for Cargo Van per gallon	232	$3.50		$812.00
			Subtotal	**$1,171.10**
			TOTAL	**$1,855.10**

Schedule 2.11 (f)

Unit Price Subcontracts
Work Assignment Number **D004437-26**

Name of Subcontractor	Services to be Performed	Subcontract Price	Management Fee
EDR	Environmental Database, Aerial Photos, Topo Maps, etc	$995	$0

Item	Max. Reimbursement Rate (Specify Unit)	Est. No. of Units	Total Est. Cost
City Directories (10 Properties)		10	$995
Subtotal-Subcontract Price			**$995**
Subcontract Management Fee*			**$0**
TOTAL			**$995**

Assumptions:

Includes corridor database search-

EDR Radius Map Report with GeoCheck (This map-based report meets government records requirements for Phase I and other environmental site assessments as described in ASTM standards and the EPA's All Appropriate Inquiries (AAI) rule.)

Sanborn Maps (Provide all available photos from the early 1900s to the present)

Historic Aerial Photos (Decade Package - provide all available photos from the 1930s to the present)

Historic Topographic Maps (Provide all available photos from the early 1900s to the present)

City Directory Abstract (provide a record of changes in property occupancy at specific locations, enabling the evaluation of potential liabilities on a target property resulting from past activities)

Schedule 2.11 (e)
Cost Plus Fixed-Fee Subcontracts

Speonk Solvent Plume Soil Gas Screening

November 17, 2008

NAME OF SUBCONTRACTOR	SERVICES TO BE PERFORMED	SUBCONTRACT PRICE
YU & ASSOCIATES, INC.	Soil Gas Screening	**$60,643.25**

A. Direct Salary Costs

Professional Responsibilty Level	Labor Classi-fication	Average Reimbursement Rate ($/Hr.)		Maximum Reimbursement Rate ($/Hr.)		Estimated Number of Hours	Total Estimated Direct Salary Cost ($)
Principal	VIII	2008	51.68	2008	52.40	4	206.72
Senior Geologist/Scientist/ Engineer/ Licensed Surveyor	V	2008	29.05	2008	33.17	60	1,743.00
Staff Geologist/ Scientist/Engineer	IV	2008	0.00	2008	0.00	0	0.00
Staff Geologist/ Scientist/Engineer/CAD Operator	III	2008	24.59	2008	26.20	60	1,475.40
Senior Technician/Staff Engineer/Scientist/Geologist	II	2008	0.00	2008	0.00	0	0.00
Technician/Draftsperson	I	2008	0.00	2008	0.00	0	0.00
						Total Direct Salary Costs:	**3,425.12**

B. Indirect Costs - 136.8% of direct salary cost

Indirect Costs: **4,685.56**

C. Maximum Reimbursement Rates for Direct Non-Salary Costs:

Item	Maxium	Estimated No. of Units			
Mileage	0.47 /mi.	1080	miles/trip	1	507.60
Tolls	18 /day	8	trips		144.00
Lodging	127 /night	0	nights		0.00
Meals	64 /day	0	days		0.00
Level D Protective Equip	25 /day	6	days	1	150.00
Truck Rental	550 /week	1	week		550.00
Horriba U-22	300 /week	0	week		0.00
Water level meter	50 /week	0	week		0.00
Grundfos Pump	315 /week	0	week		0.00
Generator	150 /week	1	week		150.00
Tubing	0.3 /foot	0	feet		0.00
Rental Equip Shipping	0 /shipment	1	shipment		0.00
FedEx (coolers)	60 /day	2	days		120.00
Misc Field (alconox. Ice, plastic, etc	110 /lump	1	lump		110.00
BeSure Laboratory Costs	18268.4 /lump	1	lump		18,268.40
				Total Direct Non Salary Costs:	**20,000.00**

D. Fixed Fee (6% of Total Direct and Indirect Salary Costs)

Fixed Fee:	**486.64**
Initial Scope Total	28,597.33

Assumptions:
Estimate 4 days for field activities; NYSDEC to assist with property access

YU & ASSOCIATES, INC. Soil Gas Screening

A. Direct Salary Costs

Professional Responsibilty Level	Labor Classi-fication	Average Reimbursement Rate ($/Hr.)		Maximum Reimbursement Rate ($/Hr.)		Estimated Number of Hours	Total Estimated Direct Salary Cost ($)
Principal	VIII	2009	53.23	2009	53.97	4	212.92
Assistant Project Engineer	VI/VII	2009	41.53	2009	47.88	36	1,495.08
Senior Geologist/Scientist/ Engineer/ Licensed Surveyor	V	2009	29.92	2009	34.17	72	2,154.24
Staff Geologist/ Scientist/Engineer	IV	2009	25.33	2009	36.99	36	911.88

Total Direct Salary Costs: 4,774.12

B. Indirect Costs - 136.8% of direct salary cost

Indirect Costs: 6,531.00

C. Maximum Reimbursement Rates for Direct Non-Salary Costs:

Item	Maxium Reimbursement Rate	Estimated No. of Units		
Mileage	0.505 /mi.	105 miles/trip	4	212.10
Tolls	18 /day	2 trips		36.00
Lodging	127 /night	6 nights	1	762.00
Meals	64 /day	4 days	1	256.00
Meals - first/last day	48 /day	4 days	1	192.00
Level D Protective Equip	25 /day	10 days	1	250.00
Truck Rental	600 /week	1 week		600.00
Generator	180 /week	1 week		180.00
Tubing	0.3 /foot	0 feet		0.00
Rental Equip Shipping	0 /shipment	1 shipment		0.00
FedEx (coolers)	80 /day	2 days		160.00
Misc Field (alconox. Ice, plastic, etc	200 /lump	1 lump		200.00
BeSure Laboratory Costs	17214.4 /lump	1 lump		17,214.40
			Total Direct Non Salary Costs:	**20,062.50**

D. Fixed Fee (6% of Total Direct and Indirect Salary Costs)

Fixed Fee: **678.31**

Supplemental Scope 1 total **$32,045.92**

Assumptions:
Estimate 5 days for field activities; NYSDEC to assist with property access

Schedule 2.11 (e)
Cost Plus Fixed-Fee Subcontracts

Speonk Solvent Plume Survey

May 1, 2008

NAME OF SUBCONTRACTOR	SERVICES TO BE PERFORMED	SUBCONTRACT PRICE
YU & ASSOCIATES, INC.	Sample Survey	**$17,633.34**

A. Direct Salary Costs

Professional Responsibilty Level	Labor Classi-fication	Average Reimbursement Rate ($/Hr.)		Maximum Reimbursement Rate ($/Hr.)		Estimated Number of Hours	Total Estimated Direct Salary Cost ($)
Principal	VIII	2008	0.00	2008	0.00	0	0.00
Senior Geologist/Scientist/ Engineer/ Licensed Surveyor	V	2008	29.05	2008	33.17	8	232.40
Staff Geologist/ Scientist/Engineer	IV	2008	0.00	2008	0.00	0	0.00
Staff Geologist/ Scientist/Engineer/CAD Operator	III	2008	0.00	2008	0.00	0	0.00
Senior Technician/Staff Engineer/Scientist/Geologist	II	2008	0.00	2008	0.00	0	0.00
Technician/Draftsperson	I	2008	0.00	2008	0.00	0	0.00
						Total Direct Salary Costs:	**232.40**

B. Indirect Costs - 136.8% of direct salary cost

Indirect Costs: **317.92**

C. Maximum Reimbursement Rates for Direct Non-Salary Costs:

Item	Maxium Reimbursement Rate	Estimated No. of Units		
Mileage	0.47 /mi.	0 miles/trip	0	0.00
Tolls	18 /day	0 trips		0.00
Field Surveying Subcontractor	17050 /lump	1 lump		17,050.00
			Total Direct Non Salary Costs:	**17,050.00**

D. Fixed Fee (6% of Total Direct and Indirect Salary Costs)

Fixed Fee: **33.02**

Assumptions:
Estimate includes 6 mobilizations by surveying subcontractor; NYSDEC to assist with property access

Schedule 2.11 (f)

Unit Price Subcontracts
Work Assignment Number D004437-26

Name of Subcontractor	Services to be Performed	Subcontract Price	Management Fee
Radar Solutions Inc.	WBE utility locator	$17,370.00	$869

Item	Max. Reimbursement Rate (Specify Uni	Est. No. of Units	Total Est. Cost
Task 2 - Initial Scope Geophysical Survey (Clear Drilling Locations) Daily Rate	$1,930 day	5	$9,650.00
Task 2 - Supplemental Scope 1 Geophysical Survey (Clear Drilling Locations) Daily Rate	$1,930 day	4	$7,720.00
Subtotal-Subcontract Price			**$17,370.00**
Subcontract Management Fee*			**$868.50**
TOTAL			**$18,238.50**

* A subcontract management fee of 5% has been included for W/MBE subcontracts.

Subcontract management fee for Supplemental Scope 1 only $386.00

Schedule 2.11 (f)

Unit Price Subcontracts
Work Assignment Number D004437-26

Name of Subcontractor	Services to be Performed	Subcontract Price	Management Fee
ChemWorld Environmental	WBE Data Validator	$5,278.00	$263.90

Item	Max. Reimbursement Rate (Specify Unit)		Est. No. of Units	Total Est. Cost
DATA VALIDATION Task 2 - Initial Scope				
Groundwater				
TCL VOCs 8260B	$13	/Sample DUSR	187	$2,431.00
Soil				
TCL VOCs 8260 B	$13	/Sample DUSR	52	$676.00
DATA VALIDATION Task 2 - Supplemental Scope 1				
Soil				
TCL VOCs 8260B	$13	/Sample DUSR	76	$988.00
Groundwater				
TCL VOCs 8260B	$13	/Sample DUSR	66	$858.00
Soil Vapor				
TO-15	$13	/Sample DUSR	25	$325.00

Subtotal-Subcontract Price	**$5,278.00**
Subcontract Management Fee*	**$263.90**
TOTAL	**$5,541.90**

* A subcontract management fee of 5% has been included for M/WBE subcontracts.

Subcontract management fee for Supplemental Scope 1 only $108.55

Schedule 2.11 (f)

Unit Price Subcontracts
Work Assignment Number **DO04437-26**

Name of Subcontractor	Services to be Performed	Subcontract Price	Management Fee
Delta Well	WBE Driller	$65,905.00	$3,295.25

Item	Unit Cost		Est. No. of Units	Total Est. Cost
Mobilization	$2,000		1	$2,000
4.25 inch ID Hollow Stem Augers (0-50ft)	$20	ea	300	$6,000
4.25 inch ID Hollow Stem Augers (50-100ft)	$20	ea	300	$6,000
4.25 inch ID Hollow Stem Augers (100-200ft	$45	ea	300	$13,500
2" Split spoons (0-50 ft)	$40	ea	30	$1,200
2" Split spoons (50-100ft)	$50	ea	30	$1,500
2" Split spoons (100-200ft)	$60	ea	60	$3,600
PVC Well Screen, 2.0 inch ID, #10 slot, schedule 40	$5	ft	120	$600
PVC Well Riser, 2.0 inch ID, schedule 40	$4	ft	780	$3,120
Well screen sand pack for 2.0 inch monitoring - well set in 4.25 inch hollow stem augers	$8	ft	180	$1,440
bentonite seal	$25	ft	12	$300
cement bentonite grout	$15	ft	708	$10,620
Flush-Mount, 6.0 inch ID Protector with locking cover, drain hole and concrete apron	$225	ea	6	$1,350
DOT drums	$50	ea	60	$3,000
Moving 55 gallon drums to borehole; filling, transporting and staging of drill cutting drums	$15	ea	60	$900
well development	$180	hr	12	$2,160
decon pad	$875	ea	1	$875
decon time	$180	hr	18	$3,240
water tanker	$300	day	15	$4,500

Subtotal-Subcontract Price	**$65,905.00**
Subcontract Management Fee*	**$3,295.25**
TOTAL	**$69,200.25**

* A subcontract management fee of 5% has been included for W/MBE subcontracts.
Assumes Level D PPE, upgrade to Level C would incur surcharges not reflected above

Schedule 2.11 (f)

Unit Price Subcontracts
Work Assignment Number **DOO4437-26**

Name of Subcontractor	Services to be Performed	Subcontract Price	Management Fee
Cape	Test Pit/UXO Contractor	$99,957.31	$4,997.87

Item		Total Est. Cost
1	Project Management and Plans	$3,902
2	Mobilization, Test Pits, Demobilization	$96,056

Note - Time and materials basis; see attached proposal

Subtotal-Subcontract Price	**$99,957.31**
Subcontract Management Fee*	**$4,997.87**
TOTAL	**$104,955.18**

* A subcontract management fee of 5% has been included for W/MBE subcontracts.

CAPE℠

Estimate Date:	15-Jan-09
Estimator:	RV
PROJECT LOCATION:	Speonk, NY
PROJECT/PROPOSAL NUMBER:	
PROJECT/PROPOSAL NAME:	CDM - NY
DATE OF SUBMITTAL:	15-Jan-09
TASK DESCRIPTION:	Project Management & Plans
ESTIMATED QUANTITY:	1 UNIT Lump Sum
REFERENCE CODE:	

Regular Labor:

Name or Group	Total Hourly Rate	Reg Hours	OT Hours	Total Cost
Project Manager	$122.40	8.0	0.0	$979.20
Project Manager Assistant	$50.81	16.0	0.0	$812.96
Safety Manager (HSP)	$121.01	8.0	0.0	$968.08
QC Manager (HSP Review)	$80.83	2.0	0.0	$161.66
Contracts/Procurement	$48.50	12.0	0.0	$582.00
Accounting/Cost Controls	$49.72	8.0	0.0	$397.76
Subtotal Reg Labor		54.0	0.0	$3,901.66

Craft Field Labor:

Name or Group	Total Hourly Rate	Reg Hours	OT Hours	Total Cost
UXO Tech II - Base	$52.09	0.0	0.0	$0.00
UXO Tech II - 8% Diff	$55.70	0.0	0.0	$0.00
UXO Tech III - Base	$61.44	0.0	0.0	$0.00
UXO Tech III - 8% Diff	$65.77	0.0	0.0	$0.00
Equip Operator - Base	$55.36	0.0	0.0	$0.00
Equip Operator - 8% Diff	$59.21	0.0	0.0	$0.00
Subtotal Craft Labor		0.0	0.0	$0.00

Company Owned Equipment:	Quantity	Unit	Unit Cost		
Air Packs	0	day	$130.00	$0.00	1 per person
Level B PPE Ensemble	0	set	$50.00	$0.00	1 + 2 Spare/person
Handheld Metal Detectors	0	day	$25.00	$0.00	2 required
Subtotal Company Owned Equipment				$0.00	

Rental Equipment and Fuel:	Quantity	Unit	Unit Cost		
PU	0	week	$481.00	$0.00	RSC
PU/Small Equip Fuel	0	day	$15.00	$0.00	Local Purchase
Backhoe	0	week	$641.00	$0.00	RSC
Backhoe Fuel	0	gallon	$2.69	$0.00	Local Purchase
Field Equip Storage Container	0	Month	$200.00	$0.00	Mobile Mini
Field Equip Storage Container Mob/Demob	0	Each	$300.00	$0.00	Mobile Mini
Electric Pump	0	week	$92.00	$0.00	RSC
Generator	0	week	$180.00	$0.00	RSC
Chain Saw	0	week	$200.00	$0.00	RSC
Water Trailer	0	each	$347.00	$0.00	RSC
Pressure Washer	0	week	$214.00	$0.00	RSC
Equipment Mob/Demob	0	each	$500.00	$0.00	RSC
Subtotal Rental Equipment and Fuel				$0.00	

Subcontractors:					
Subcontractor/Subcontracted Work:	**Quantity**	**Unit**	**Unit Cost**		
				$0.00	
Subtotal Subcontractor Costs				$0.00	
Purchased ODCs: (be specific)					
Supplies / Services	**Quantity**	**Unit**	**Unit Cost**		
Construction Fence		0 roll	$ 49.93	$0.00	Lowes
Posts		0 each	$ 5.79	$0.00	Lowes
Misc Field Supplies (pin flags, stakes, etc.)		0 ls	$ 150.00	$0.00	Lowes
				$0.00	
Materials					
55 gallon drums		0 each	$ 135.00	$0.00	Airgas
85 gallon over packs		0 each	$ 151.00	$0.00	Airgas
Decon Pad Supplies (poly, sand bags, etc.)		0 each	$ 200.00	$0.00	Lowes
				$0.00	
Subtotal Purchased ODCs				$0.00	
Travel ODCs:	**Quantity**	**Unit**	**Unit Cost**		
Airfares		0 ea	$348.00	$0.00	Expedia
Meals		0 day	$64.00	$0.00	JTR
Lodging		0 day	$131.00	$0.00	JTR
POV Travel (Home to Airport)		0 mile	$0.55	$0.00	
Other/misc		0 day	$15.00	$0.00	Historical
Subtotal Travel ODCs				$0.00	
TOTAL PRICE/BUDGET or EAC				$3,901.66	
Estimated Price Per Unit:				$3,901.66	

CAPE

Estimate Date:	15-Jan-09
Estimator:	RV

PROJECT LOCATION:	Speonk, NY
PROJECT/PROPOSAL NUMBER:	
PROJECT/PROPOSAL NAME:	CDM - NY
DATE OF SUBMITTAL:	15-Jan-09
TASK DESCRIPTION:	Option 2 - UXO Staff Plus Equipment
ESTIMATED QUANTITY:	22 **UNIT** workday
REFERENCE CODE:	

Regular Labor: Name or Group	Total Hourly Rate	Reg Hours	OT Hours	Total Cost	
Project Manager	$122.40	12.0	0.0	$1,468.80	3 hr/week
Project Manager Assistant	$50.81	16.0	0.0	$812.96	4 hr/week
Safety Manager (HSP)	$121.01	4.0	0.0	$484.04	1/hr/week
QC Manager (HSP Review)	$80.83	0.0	0.0	$0.00	
Contracts/Procurement	$48.50	0.0	0.0	$0.00	
Accounting/Cost Controls	$49.72	0.0	0.0	$0.00	
Subtotal Reg Labor		32.0	0.0	$2,765.80	

Craft Field Labor: Name or Group	Total Hourly Rate	Reg Hours	OT Hours	Total Cost
UXO Tech II - Base	$52.09	36.0	8.0	$2,472.36
UXO Tech II - 8% Diff	$55.70	144.0	32.0	$10,524.48
UXO Tech III - Base	$61.44	36.0	8.0	$2,919.52
UXO Tech III - 8% Diff	$65.77	144.0	32.0	$12,440.16
Equip Operator - Base	$55.36	36.0	8.0	$2,628.64
Equip Operator - 8% Diff	$59.21	144.0	32.0	$11,192.16
Subtotal Craft Labor		540.0	120.0	$42,177.32

Company Owned Equipment:	Quantity	Unit	Unit Cost		
Air Packs	66	day	$130.00	$8,580.00	1 per person
Level B PPE Ensemble	9	set	$50.00	$450.00	1 + 2 Spare/person
Handheld Metal Detectors	20	day	$25.00	$500.00	2 required
Subtotal Company Owned Equipment				$9,530.00	

Rental Equipment and Fuel:	Quantity	Unit	Unit Cost		
PU	4.5	week	$481.00	$2,164.50	RSC
PU/Small Eqip Fuel	22.0	day	$15.00	$330.00	Local Purchase
Backhoe	4.5	week	$641.00	$2,884.50	RSC
Backhoe Fuel	220.0	gallon	$2.69	$591.80	Local Purchase
Field Equip Storage Container	1.0	Month	$200.00	$200.00	Mobile Mini
Field Equip Storage Container Mob/Demob	1.0	Each	$300.00	$300.00	Mobile Mini
Electric Pump	4.5	week	$92.00	$414.00	RSC
Generator	4.5	week	$180.00	$810.00	RSC
Chain Saw	4.5	week	$200.00	$900.00	RSC
Water Trailer	4.5	each	$347.00	$1,561.50	RSC
Pressure Washer	4.5	week	$214.00	$963.00	RSC
Equipment Mob/Demob	1.0	each	$500.00	$500.00	RSC
Blast Shield Materials	1.0	els	$2,500.00	$2,500.00	
Subtotal Rental Equipment and Fuel				$14,119.30	

Subcontractors:					
Subcontractor/Subcontracted Work:	**Quantity**	**Unit**	**Unit Cost**		
				$0.00	
Subtotal Subcontractor Costs				$0.00	
Purchased ODCs: (be specific)					
Supplies / Services	**Quantity**	**Unit**	**Unit Cost**		
Construction Fence	4	roll	$ 49.93	$199.72	Lowes
Posts	20	each	$ 5.79	$115.80	Lowes
Misc Field Supplies (pin flags, stakes, etc.)	1	ls	$ 150.00	$150.00	Lowes
				$0.00	
Materials					
55 gallon drums	15	each	$ 135.00	$2,025.00	Airgas
85 gallon over packs	5	each	$ 151.00	$755.00	Airgas
Decon Pad Supplies (poly, sand bags, etc.)	1	each	$ 200.00	$200.00	Lowes
				$0.00	
Subtotal Purchased ODCs				$3,445.52	
Travel ODCs:	**Quantity**	**Unit**	**Unit Cost**		
Airfares	3	ea	$348.00	$1,044.00	Expedia
Meals	90	day	$64.00	$5,760.00	JTR
Lodging	90	day	$131.00	$11,790.00	JTR
POV Travel (Home to Airport)	150	mile	$0.55	$82.50	
Other/misc	22	day	$15.00	$330.00	Historical
Subtotal Travel ODCs				$19,006.50	
Subtotal All ODCs				$46,401.32	
G&A @ 10.87% on ODCs				$5,044.21	
TOTAL PRICE/BUDGET or EAC				$96,055.65	

Estimated Price Per Work Day: $4,366.17

Schedule 2.11 (f)

Unit Price Subcontracts
Work Assignment Number **DO04437-26**

Name of Subcontractor	Zebra	Services to be Performed	Subcontract Price	Management Fee
Zebra Environmental Corp.		borings and soil vapor probe installation	$38,665.00	$1,933.25

Item		Unit Cost	Est. No. of Units	Total Est. Cost
Mob/demob	per day	$285.00	17	$4,845.00
Rig and crew	per day	$1,400.00	17	$23,800.00
Macro-core liners	per sample	$8.00	80	$640.00
Groundwater sample	per sample	$20.00	90	$1,800.00
Shallow vapor point	per point	$95.00	20	$1,900.00
Decontamination	per hour	$115.00	30	$3,450.00
Standby time	per sample	$200.00	2	$400.00
55-gallon drums	per drum	$55.00	6	$330.00
Grouting	per foot	$1.25	1200	$1,500.00

Subtotal-Subcontract Price	**$38,665.00**
Subcontract Management Fee*	**$1,933.25**
TOTAL	**$40,598.25**

* A subcontract management fee of 5% has been included for W/MBE subcontracts.
Assumes Level D PPE, upgrade to Level C would be charged at 150% of above crew rate

Schedule 2.11 (f)

Unit Price Subcontracts
Work Assignment Number **DO04437-26**

Name of Subcontractor	Services to be Performed	Subcontract Price	Management Fee
Summit Drilling (WBE)	Groundwater profiling, borings	$146,875.00	$7,343.75

Item		Unit Cost	Est. No. of Units	Total Est. Cost
Mud rotary drill rig, support vehicle, cre	per day	$1,900.00	45	$85,500.00
Mob and demob	lump	$2,500.00	2	$5,000.00
Fuel Surcharge	per day	$125.00	45	$5,625.00
Decontamination of drilling equipment	lump	$250.00	2	$500.00
NY One Call Notification	site	$175.00	2	$350.00
Overnight expense	per day	$250.00	45	$11,250.00
Hydropunch sample	per samp	$125.00	240	$30,000.00
Borehole abandonment	per hole	$425.00	15	$6,375.00
55 gallon drum	per drum	$65.00	35	$2,275.00

Subtotal-Subcontract Price	**$146,875.00**
Subcontract Management Fee*	**$7,343.75**
TOTAL	**$154,218.75**

* A subcontract management fee of 5% has been included for W/MBE subcontracts.
Assumes Level D PPE, upgrade to Level C would be charged at 150% of above crew rate

Schedule 2.11 (f)

Unit Price Subcontracts
Work Assignment Number D004437-26

Name of Subcontractor	**TestAmerica (Severn Trent)**
Services to be Performed	**Laboratory**
Subcontract Price	**$65,168.31**
Management Fee	**$3,258.42**

Item	Max. Reimbursement Rate	Specify Unit	Est. No. of Units	Total Est. Cost
LABORATORY ANALYSIS				
Task 2 - Site Characterization - Initial Scope				
TCL VOCs 8260B (profiling) (a)	$115.88	Sample	168	$19,467.00
TCL VOCs 8260B (wells)	$92.70	Sample	19	$1,761.30
Soil				
TCL VOCs 8260B	$92.70	Sample	52	$4,820.40
RCRA Characteristics, TCLP	$1,495.56	Sample	8	$11,964.48
Task 2 - Site Characterization - Supplemental Scope 1				
Soil				
TCL VOCs 8260B (a)	$119.36	Sample	76	$9,071.09
Groundwater				
TCL VOCs 8260B (profiling) (a)	$119.36	Sample	66	$7,877.52
Soil Vapor				
VOC TO-15	$190.96	Sample	25	$4,774.05
Summa Canister	$12.73	each	27	$343.73
Tedlar bag	$47.84	each	27	$1,291.77
Flow controller	$26.52	each	27	$716.11
RCRA Characteristics, TCLP	$1,540.43	Sample	2	$3,080.85
			Subtotal-Subcontract Price	**65,168.31**
			Subcontract Management Fee*	**$3,258.42**
			TOTAL	**$68,426.72**

* A subcontract management fee of 5% has been included for subcontracts over $10,000.

Schedule 2.11 (f)

Unit Price Subcontracts
Work Assignment Number D004437-26

Name of Subcontractor	Services to be Performed	Subcontract Price	Management Fee
SeaCoast Environmental	IDW Removal	$35,820.00	$1,791.00

Item	Max. Reimbursement Rate (Specify Unit)		Est. No. of Units	Total Est. Cost
Initial Scope of Work				
Mobilization - supply tank 10,000 gal	$805	lump	1	$805.00
Daily rental - supply tank 10,000 gal	$34	per day	90	$3,060.00
Cleaning - supply tank 10,000 gal	$1,800	lump	1	$1,800.00
DebMobilization - supply tank 10,000 gal	$805	lump	1	$805.00
Dispose of water from poly tank	$0.64	per gallon	10000	$6,400.00
IDW Removal (non-hazardous soil/water); 55-gal dru	$123	drum	100	$12,300.00
IDW Removal (non-hazardous debris); 55-gal drums	$123	drum	10	$1,230.00
IDW Removal (non-hazardous mud); 55-gal drums	$123	drum	20	$2,460.00
IDW Removal (hazardous soil/water/mud) 55-gal dru	$180	drum	19	$3,420.00
			SUBTOTAL	**$32,280.00**
Supplemental Scope No. 1				
IDW Removal (non-hazardous soil/water); 55-gal dru	$123	drum	18	$2,214.00
IDW Removal (non-hazardous debris); 55-gal drums	$123	drum	1	$123.00
IDW Removal (non-hazardous mud); 55-gal drums	$123	drum	1	$123.00
IDW Removal hazardous material - overpack	$180	overpack container	5	$900.00
IDW Removal hazardous material - 55-gal drum	$180	drum	1	$180.00
			SUBTOTAL	**$3,540.00**
			CONTRACT TOTAL	**$35,820.00**
			Subcontract Management Fee*	**$1,791.00**
			TOTAL	**$37,611.00**

* Subcontract Management Fee of 5% on Subcontracts over $10,000

Schedule 2.11 (g) - Summary

Monthly Cost Control Report
Summary of Fiscal Information

Engineer Camp Dresser & McKee
Contract No. D004437
Project Name Speonk Solvent Plume
Work Assignment No. D004437-26
Summary of Tasks
Percentage Completed

Date Prepared _____
Billing Period _____
Payment No. _____ **Invoice No.** _____

Expenditure Category	A Costs Claimed This Period	B Paid to Date	C Total Disallowed to Date	D Total Costs Incurred to Date (A+B+C)	E Estimated Cost to Completion	F Estimated Total Work Assignment Price (A+B+E)	G Approved Budget	H Estimated Under/Over (G-F)
1. Direct Salary Costs	$0	$0	$0	$0	$0	$0	$120,481	
2. Indirect Costs - '167.9%	$0	$0	$0	$0	$0	$0	$202,288	
3. Subtotal Direct Salary Costs and Indirect Costs	$0	$0	$0	$0	$0	$0	$322,769	
4. Travel	$0	$0	$0	$0	$0	$0	$38,729	
5. Other Non-Salary Costs	$0	$0	$0	$0	$0	$0	$22,372	
6. Subtotal Direct Non-Salary Costs	$0	$0	$0	$0	$0	$0	$61,101	
7. Subcontractors	$0	$0	$0	$0	$0	$0	$554,310	
7a. Subcontract Mgt. Fee	$0	$0	$0	$0	$0	$0	$23,752	
8. Total Work Assignment Cost	$0	$0	$0	$0	$0	$0	$961,933	
9. Fixed Fee	$0	$0	$0	$0	$0	$0	$22,594	
10. Total Work Assignment Price	$0	$0	$0	$0	$0	$0	$984,526	

Project Manager (Engineer) Patricia Forgang

Date _____

Schedule 2.11 (g)

Monthly Cost Control Report
Summary of Fiscal Information

Engineer Camp Dresser & McKee
Contract No. D004437
Project Name Speonk Solvent Plume
Work Assignment No. D004437-26
Task #/Name Task 1 - Site Visit, Prelim Modelling, Records Search Report & Work Plan Development
Complete 0%

Date Prepared _____
Billing Period _____
Invoice No. _____

Expenditure Category	*A* *Costs Claimed This Period*	*B* *Paid to Date*	*C* *Total Disallowed to Date*	*D* *Total Costs Incurred to Date (A+B-C)*	*E* *Estimated Costs to Completion*	*F* *Estimated Total Work Assignment Price (A+B+E)*	*G* *Approved Budget*	*H* *Estimated Under/Over (G-F)*
1. Direct Salary Costs	$0	$0	$0	$0	$0	$0	$24,260	$0
2. Indirect Costs - '167.9%	$0	$0	$0	$0	$0	$0	$40,733	$0
3. Subtotal Direct Salary Costs and Indirect Costs	$0	$0	$0	$0	$0	$0	$64,993	$0
4. Travel	$0	$0	$0	$0	$0	$0	$990	$0
5. Other Non-Salary Costs	$0	$0	$0	$0	$0	$0	$500	$0
6. Subtotal Direct Non-Salary Costs	$0	$0	$0	$0	$0	$0	$1,490	$0
7. Subcontractors	$0	$0	$0	$0	$0	$0	$995	$0
7a. Subcontract Mgt. Fee	$0	$0	$0	$0	$0	$0	$0	$0
8. Total Work Assignment Cost	$0	$0	$0	$0	$0	$0	$67,478	$0
9. Fixed Fee	$0	$0	$0	$0	$0	$0	$4,550	$0
10. Total Work Assignment Price	$0	$0	$0	$0	$0	$0	$72,028	$0

Project Manager (Engineer) Patricia Forgang

Date _____

Schedule 2.11 (g)

Monthly Cost Control Report
Summary of Fiscal Information

Engineer Camp Dresser & McKee
Contract No. D004437
Project Name Speonk Solvent Plume
Work Assignment No. D004437-26
Task #/Name Task 2- Site Characterization
Complete 0%

Date Prepared _____
Billing Period _____
Invoice No. _____

Expenditure Category	*A* *Costs Claimed This Period*	*B* *Paid to Date*	*C* *Total Disallowed to Date*	*D* *Total Costs Incurred to Date (A+B+C)*	*E* *Estimated Costs to Completion*	*F* *Estimated Total Work Assignment Price (A+B+E)*	*G* *Approved Budget*	*H* *Estimated Under/Over (G-F)*
1. Direct Salary Costs	$0	$0	$0	$0	$0	$0	$71,256	$0
2. Indirect Costs 167.9%	$0	$0	$0	$0	$0	$0	$119,640	$0
3. Subtotal Direct Salary Costs and Indirect Costs	$0	$0	$0	$0	$0	$0	$190,896	$0
4. Travel	$0	$0	$0	$0	$0	$0	$37,079	$0
5. Other Non-Salary Costs	$0	$0	$0	$0	$0	$0	$21,002	$0
6. Subtotal Direct Non-Salary Costs	$0	$0	$0	$0	$0	$0	$58,081	$0
7. Subcontractors	$0	$0	$0	$0	$0	$0	$553,315	$0
7a. Subcontract Mgt. Fee	$0	$0	$0	$0	$0	$0	$23,752	$0
8. Total Work Assignment Cost	$0	$0	$0	$0	$0	$0	$826,044	$0
9. Fixed Fee	$0	$0	$0	$0	$0	$0	$13,363	$0
10. Total Work Assignment Price	$0	$0	$0	$0	$0	$0	$839,407	$0

Project Manager (Engineer) Patricia Forgang

Date _____

Schedule 2.11 (g)

Monthly Cost Control Report
Summary of Fiscal Information

Engineer Camp Dresser & McKee
Contract No. D004437
Project Name Speonk Solvent Plume
Work Assignment No. D004437-26
Task #/Name Task 3 - Field Documentation and Reporting
Complete 0%

Date Prepared
Billing Period
Invoice No.

Expenditure Category	*A* *Costs Claimed This Period*	*B* *Paid To Date*	*C* *Total Disallowed to Date*	*D* *Total Costs Incurred to Date (A+B+C)*	*E* *Estimated Costs to Completion*	*F* *Estimated Total Work Assignment Price (A+B+E)*	*G* *Approved Budget*	*H* *Estimated Under/Over (G-F)*
1. Direct Salary Costs	$0	$0	$0	$0	$0	$0	$18,207	$0
2. Indirect Costs 167.9%	$0	$0	$0	$0	$0	$0	$30,570	$0
3. Subtotal Direct Salary Costs and Indirect Costs	$0	$0	$0	$0	$0	$0	$48,777	$0
4. Travel	$0	$0	$0	$0	$0	$0	$0	$0
5. Other Non-Salary Costs	$0	$0	$0	$0	$0	$0	$475	$0
6. Subtotal Direct Non-Salary Costs	$0	$0	$0	$0	$0	$0	$475	$0
7. Subcontractors	$0	$0	$0	$0	$0	$0	$0	$0
7a. Subcontract Mgt. Fee	$0	$0	$0	$0	$0	$0	$0	$0
8. Total Work Assignment Cost	$0	$0	$0	$0	$0	$0	$49,252	$0
9. Fixed Fee	$0	$0	$0	$0	$0	$0	$3,414	$0
10. Total Work Assignment Price	$0	$0	$0	$0	$0	$0	$52,667	$0

Project Manager (Engineer) Patricia Forgang

Date

Schedule 2.11 (g)

Monthly Cost Control Report
Summary of Fiscal Information

Engineer Camp Dresser & McKee
Contract No. D004437
Project Name Speonk Solvent Plume
Work Assignment No. D004437-26
Task #/Name Task 4- Document Disposition and Data
Complete 0%

Date Prepared _____
Billing Period _____
Invoice No. _____

Expenditure Category	*A* *Costs Claimed This Period*	*B* *Paid to Date*	*C* *Total Disallowed to Date*	*D* *Total Costs Incurred to Date (A+B+C)*	*E* *Estimated Costs to Completion*	*F* *Estimated Total Work Assignment Price (A+B+E)*	*G* *Approved Budget*	*H* *Estimated Under/Over (G-F)*
1. Direct Salary Costs	$0	$0	$0	$0	$0	$0	$4,056	$0
2. Indirect Costs 167.9%	$0	$0	$0	$0	$0	$0	$6,810	$0
3. Subtotal Direct Salary Costs and Indirect Costs	$0	$0	$0	$0	$0	$0	$10,867	$0
4. Travel	$0	$0	$0	$0	$0	$0	$0	$0
5. Other Non-Salary Costs	$0	$0	$0	$0	$0	$0	$195	$0
6. Subtotal Direct Non-Salary Costs	$0	$0	$0	$0	$0	$0	$195	$0
7. Subcontractors	$0	$0	$0	$0	$0	$0	$0	$0
7a. Subcontract Mgt. Fee	$0	$0	$0	$0	$0	$0	$0	$0
8. Total Work Assignment Cost	$0	$0	$0	$0	$0	$0	$11,062	$0
9. Fixed Fee	$0	$0	$0	$0	$0	$0	$761	$0
10. Total Work Assignment Price	$0	$0	$0	$0	$0	$0	$11,822	$0

Project Manager (Engineer) **Patricia Forgang**

Date _____

Schedule 2.11 (g)

Monthly Cost Control Report
Summary of Fiscal Information

Engineer Camp Dresser & McKee
Contract No. D004437
Project Name Speonk Solvent Plume
Work Assignment No. D004437-26
Task #/Name Task 5 - Citizen Participation Plan
Complete 0%

Date Prepared _____
Billing Period _____
Invoice No. _____

Expenditure Category	A Costs Claimed This Period	B Paid to Date	C Total Disallowed to Date	D Total Costs Incurred to Date (A+B+C)	E Estimated Costs to Completion	F Estimated Total Work Assignment Price (A+B+E)	G Approved Budget	H Estimated Under/Over (G-F)
1. Direct Salary Costs	$0	$0	$0	$0	$0	$0	$2,701	$0
2. Indirect Costs 167.9%	$0	$0	$0	$0	$0	$0	$4,535	$0
3. Subtotal Direct Salary Costs and Indirect Costs	$0	$0	$0	$0	$0	$0	$7,236	$0
4. Travel	$0	$0	$0	$0	$0	$0	$660	$0
5. Other Non-Salary Costs	$0	$0	$0	$0	$0	$0	$200	$0
6. Subtotal Direct Non-Salary Costs	$0	$0	$0	$0	$0	$0	$860	$0
7. Subcontractors	$0	$0	$0	$0	$0	$0	$0	$0
7a. Subcontract Mgt. Fee	$0	$0	$0	$0	$0	$0	$0	$0
8. Total Work Assignment Cost	$0	$0	$0	$0	$0	$0	$8,096	$0
9. Fixed Fee	$0	$0	$0	$0	$0	$0	$507	$0
10. Total Work Assignment Price	$0	$0	$0	$0	$0	$0	$8,603	$0

Project Manager (Engineer) Patricia Forgang

Date _____

Schedule 2.11 (g) - Supplemental

Cost Control Report for Subcontracts

Engineer Camp Dresser & McKee
Contract No. D004437
Project Name Speonk Solvent Plume
Work Assignment No. D004437-26

Date Prepared _____
Billing Period _____
Invoice No. _____

Subcontract Name	A Subcontract Costs Claimed this Application Inc. Resubmittals	B Subcontract Costs Approved for Payment on Previous Applications	C Total Subcontract Costs to Date (A plus B)	D Subcontract Approved Budget	E Management Fee Budget	F Management Fee Paid	G Total Costs to Date (C plus F)
1. Radar Solutions	$0	$0	$0	$17,370	$869	$0	$0
2. ChemWorld Environmental	$0	$0	$0	$5,278	$264	$0	$0
3. Yu & Associates, Inc.	$0	$0	$0	$78,277	$0	$0	$0
4 SeaCoast Environmental	$0	$0	$0	$35,820	$1,791	$0	$0
5. Summit Drilling	$0	$0	$0	$146,875	$7,344	$0	$0
6. Test America	$0	$0	$0	$65,168	$3,258	$0	$0
7. Zebra Environmental (geoprobe)	$0	$0	$0	$38,665	$1,933	$0	$0
8. Delta Well	$0	$0	$0	$65,905	$3,295	$0	$0
9. EDR	$0	$0	$0	$995	$0	$0	$0
10. Cape	$0	$0	$0	$99,957	$4,998		
TOTALS	$0	$0	$0	$554,310	$23,752	$0	$0

Project Manager (Engineer) Patricia Forgang **Date** _____

NOTES:

1) Costs listed in Columns A, B, C & D do not include any management fee costs.
2) Management fee is applicable to only properly procured, satisfactorily completed, unit price subcontracts over $10,000.
3) Line 11, Cloumn G should equal Line 7 (Subcontractors), Column D of Summary Cost Control Report.

Schedule 2.11(h)
Monthly Cost Control Report
Summary of Labor Hours

Number of Direct Labor Hours Expended to Date/Estimated Number of Direct Labor Hours to Completion

Engineer/Contract # D004437
Project Name Speonk Solvent Plume
Work Assignment No. D004437-26

Date Prepared _____
Billing Period _____
Invoice No. _____

NSPE Labor Classification	IX Exp/Est	VIII Exp/Est	VII Exp/Est	VI Exp/Est	IV Exp/Est	III Exp/Est	II Exp/Est	I Exp/Est	Admin	Total No. of Direct Labor Hrs. Exp/Est
Task 1	0 / 16	0 / 48	0 / 40	0 / 170	0 / 140	0 / 140	0 / 60	0 / 0	0 / 12	0 / 626
Task 2	0 / 26	0 / 36	0 / 30	0 / 445	0 / 745	0 / 580	0 / 126	0 / 0	0 / 12	0 / 2000
Task 3	0 / 6	0 / 18	0 / 16	0 / 60	0 / 200	0 / 140	0 / 80	0 / 0	0 / 12	0 / 532
Task 4	0 / 2	0 / 2	0 / 4	0 / 16	0 / 31	0 / 40	0 / 20	0 / 0	0 / 6	0 / 121
Task 5	0 / 4	0 / 10	0 / 8	0 / 10	0 / 0	0 / 28	0 / 0	0 / 0	0 / 6	0 / 66
Total Hours	0 / 54	0 / 114	0 / 98	0 / 701	0 / 1116	0 / 928	0 / 286	0 / 0	0 / 48	0 / 3345

* Expended/Estimated

New York State Department of Environmental Conservation
Division of Environmental Remediation, 12th Floor
625 Broadway, Albany, New York 12233-7011
Phone: (518) 402-9706 • **FAX:** (518) 402-9020
Website: www.dec.state.ny.us

Alexander B. Grannis
Commissioner

JUN 23 2008

Mr. Michael Memoli, P.E.
Program Manager
Camp Dresser & McKee
100 Crossways Park West, Suite 415
Woodbury, New York 11797

Re: Work Plan Approval/Notice to Proceed
Contract/WA No. - D004437-26
Site No. - 152185
Speonk Solvent Plume

Dear Mr. Memoli:

The New York State Department of Environmental Conservation's Division of Environmental Remediation (DER) approves the work plan dated May 2008 for the above referenced work assignment (WA). The work plan is for a total amount of $578,945 for performing Site Characterization at the above-referenced site. This WA has been developed to find areas of residual soil contamination that may be continuing sources of groundwater contamination, obtain additional stratigraphic and groundwater quality data in these areas, and characterize the vertical and horizontal components of groundwater flow.

DER authorizes your firm to proceed with the scope of work in this WA's approved work plan. All work should be completed in accordance with the schedule in the approved work plan.

If you have any questions regarding this work plan, please contact the Project Manager, Rob DeCandia, at (518) 402-9621.

Sincerely,

Dale A. Desnoyers
Division Director
Division of Environmental Remediation

ec: R. DeCandia, PM
A. Indelicato, CM
T. Christian, M/WBE
T. Wolosen
M. Cruden
D. Weigel
D. Desnoyers
C. Vasudevan
G. Bobersky
W. Parish, Region 1
M. Memoli, memolima@cdm.com
P. Forgang, forgangpk@cdm.com

PROJECT NAME: Speonk Solvent Plume, Site #152185	WA #: D004437-26

TO: Dale A. Desnoyers

The attached Work Plan is submitted for your approval. It has been checked and approved by:

	Name	*Initials*	*Date*
Project Manager (scope, level-of-effort, subcontracting)	Rob DeCandia	RDD	6/16/08
Contract Manager/Cost Reviewer (conformance with contract, protocols, and cost reasonableness)	Andrea Indelicato	AI	6/16/08
M/WBE Officer	Tom Christian	TC	6/18/08
Chief, Contracts and Payments Section	Mike Cruden	MC	6/18/08
T. Wolosen, Fiscal Management Section	Tim Wolosen	TW	6/19/08
Bureau Director	Donna Weigel (DS)	DW	6/20
Assistant Division Director	Sal Ervolina	SE	6/23

PLEASE CALL THERESA SPAIN AT 2-9764 AFTER SIGN-OFF

S/2522

From: Rob DeCandia
To: Andrea Indelicato
Date: 6/16/2008 2:42:07 PM
Subject: Speonk work plan acceptance

Andrea

I accept and recommend issuing the notice to proceed for the Speonk Site Characterization workplan.

The increase over the original estimated cost is due primarily to the recent increases in labor and material costs and to a lesser extent to the complexity of the ongoing site investigation.

If you need any additional information please let me know immediately.

Thanks
Rob

>>> Andrea Indelicato 6/16/2008 12:08 PM >>>
Here's a copy of the final work plan. Let me know if you're okay with it. The only other thing I need from you is justification for the final price increase over the estimated price. The original estimate was for $487,000 and the price in the final WP is $578,945, a substantial increase. If you could just send me an email explaining the increase and saying that you're okay with it, then the NTP should be all set.

Thanks,
Andrea

Email: alindeli@gw.dec.state.ny.us

From: Michael Cruden
To: Andrea Indelicato
Date: 1/10/2008 7:47:52 AM
Subject: Fwd: Re: Request for Conceptual Approval- Speonk Solvent Plume Investigation, #152185

please issue to CDM - ID

>>> Sal Ervolina 01/09/08 5:28 PM >>>
I approve the conceptual approval memo for Site Characterization at the Speonk Solvent Plume Site.

>>> John Swartwout 12/5/2007 11:15 AM >>>
I request conceptual approval for the Speonk Solvent Plume, Site No. 152185, site characterization state superfund standby contract work assignment.

The attached file represents the site characterization state superfund standby contract work assignment for this project.

The Department conducted site characterization activities at the Speonk Solvent Plume between February 2004 and January 2007 using a state superfund standby contractor. That state superfund standby contract expired before the delineation and source identification of the chlorinated solvent plume could be completed. Consequently, another work assignment needs to be issued to complete the work.

The Work Plan Development Cost is estimated at $15,000 with the total Work Assignment Cost estimated at $487,000.

CC: Lisa Lewis

New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau A
625 Broadway, 11th Floor
Albany, New York 12233-7015
Phone: (518) 402-9625 • **Fax:** (518) 402-9022
Website: http://www.dec.ny.gov

Alexander B. Grannis
Commissioner

MEMORANDUM

TO: Salvatore Ervolina, Assistant Division Director, DER

FROM: Guy T. Bobersky, Section Chief, REM-A
THROUGH: Chittibabu Vasudevan, Director, BURA

SUBJECT: Conceptual Approval Memo, Speonk Solvent Plume, Site No. 152185

DATE: December 5, 2007

Site No., Site Name and Location: Speonk Solvent Plume, Site No. 152185, Southampton (T), Suffolk County

Site Information: The Speonk Solvent Plume encompasses approximately 600 acres and is located in the Town of Southampton, Suffolk County, New York. The about 4000-foot long plume lies within a rural area considered part of the Central Pine Barrens Preserve.

The New York State Department of Environmental Conservation, using ERM, a former state standby consultant, conducted investigative activities at the Speonk Solvent Plume between February 2004 and January 2007. That state superfund standby contract expired before the delineation and source identification of the chlorinated solvent plume could be completed. Consequently, another work assignment needs to be issued to complete the work.

Conflict of Interest: The potential responsible parties are listed below:

Speonk Sand & Gravel, High St.
Unknown junk yard, High St.
Unknown asphalt plant, Speonk Riverhead Rd.
Solid waste/carting facility, Speonk Riverhead Rd.
Tom Datre property, Speonk Riverhead Rd.
Feather Sales Agency of Long Island a former feather processing facility, North Phillips Ave.
Cornell Cooperative Duck Research Facility, Old Country Road

Program Element: Site Characterization

Duration: One Year

Estimated Budget: Work Plan Development Cost - $15,000; Work Plan Cost - $472,000; Total Cost - $487,000

Funding Source: State Superfund

Brief Description of Scope of Work: Attached is the project Work Assignment.

Attachment

ec: Robert DeCandia, REM-A
Guy T. Bobersky, Section Chief, REM-A
Chittibabu Vasudevan, Director, BURA
Dave Finlayson, Chief, FMS
Michael Cruden, Chief, CPS
Donna Weigel, Director, BPM
Dale A. Desnoyers, Division Director

Cost Review for Work Plan or Amendment

Contractor Name: CDM
Date: 6/16/08
WA # and Name: Speonk Solvent Plume, D004437-26
Reviewer: Andrea Indelicato

	GENERAL COST REVIEW CHECKLIST	Yes	No	Comments
	A complete set of 2.11 Schedules (a) through (h) is attached.	X		
	For grouped work assignments, Schedule 2.11s are broken down by site.	-	-	N/A
1.	**Schedule 2.11(b) - Direct Labor**			
	Average reimbursement rates are used for each year. Future years escalate 3%	X		
	Hours are segregated by year.	-	-	N/A
	Total cost for each NSPE level is shown.	X		
	Total direct labor costs match amounts on Schedule 2.11(a).	X		
	The Principal's (NSPE level 9) labor hours charged to WA are less than 2% of the total.	X		
	Total labor hours match hours on Schedule 2.11(h).	X		
2.	**Schedule 2.11(b-1) - Direct Administrative Labor Hours**			
	Breakdown of Schedule 2.11(b-1) is reasonable, i.e., admin LOE is within acceptable guideline of <4% of overall WA LOE. Justification is attached for any exceedance.	X		
3.	**Schedules 2.11(c) and (d) - Direct Non-Salary Costs**			
	Rates listed in Schedule 2.11(c) are consistent with contract.	X		
	Rates for in-house and/or miscellaneous costs match contract Schedule 2.10(b).	X		
	Quotes are included for any non-contract item (including equipment purchases & rentals; excluding air fare) >$1k. If sufficient number of quotes are unavailable, an engineer's estimate must be provided. The low quote has been selected.	X		
	All costs are allowable, e.g., office telephone and office shipping cannot be reimbursed as a direct cost if they're included in ICR. If they're not in ICR, they are included in 2.10(b) or 2.10(c). Field costs must be receipted.	X		
	Appropriate lodging/per diem/mileage rates are used.	X		
	Schedule 2.11(d)1 - All equipment purchased is supported by cost justification that's acceptable to the CM. Equipment is to be maintained by the contractor or turned over to DEC, and it must be added to contractor's inventory list (include a revised copy).	-	-	N/A
	Schedule 2.11(d)2 - Rates for consultant-owned equipment match Schedule 2.10(c).	-	-	N/A
	Schedule 2.11(d)4 - Includes equipment to be used only on this WA (such as a blower purchased to upgrade SVE system).	-	-	N/A
	Other direct costs (no. of field days, lodging, and field equipment usage) are reasonable based on field work schedule or supporting documentation.	X		
	Total of direct non-salary costs matches the amount on Schedule 2.11(a).	X		
4.	**Schedule 2.11(e) - Cost-plus-fixed-fee subcontracts**			
	Proposed subconsultant is on standby or has DEC-approved rates with another standby consultant. Otherwise, financial information required for cost analysis must be submitted.	X		

	Schedule 2.11(e) - Continued	Yes	No	Comments
	Standby subcontract is active and rates (salary, direct and indirect costs, and fixed fee) match contract rates.	X		
	A breakdown of direct non-salary costs in the form of additional Schedule 2.11s is attached, if appropriate.	-	-	N/A
	Total subcontract cost matches amount on Schedule 2.11(a).	X		
	Subcontractor has justified/obtained adequate quotes for any further subcontracted work.	X		
	Subcontractor certification(s) have been submitted.	X		
5.	**Schedule 2.11(f) - Unit Price Subcontracts**			
	There are quotes for non-standby subcontracts >$1k. Bids are comparable (quantities and items) and provide unit costs plus job total. If sufficient number of quotes are unavailable, an engineer's estimate must be provided. The low quote has been selected.	X		
	Standby Drillers (Two phase process) - Costs from at least 3 standbys (or additional quotes from non-standby drillers) are attached. Proper unit costs and mobilization/demobilization costs are used. The low quote has been selected.	X		
	M/WBE - Cost reasonableness of sole/single source M/WBE contracts <$10K are documented by an engineer's estimate.	-	-	N/A
	Justification attached for subcontracts >$100,000 supporting a determination not to design and competitively bid the work. Response-type activities (drum removals, other construction-type activities) must be competitively bid, unless otherwise approved	X		
	Correct management fee is calculated only on non-professional unit priced subs >$10k and M/WBE firms from $1. (Management fee is not allowed on professional engineering firms, architects, or surveyors, unless the contract specifically allows it.)	X		
	Standby Labs and Data Validators (rotate use) - Unit cost match unit costs in contract.	X		
	Subcontractor certification(s) have been submitted.	X		
6.	**Schedule 2.11(g) - Cost Control Report**			
	Individual 2.11(g)s equal Summary 2.11(g) and costs match those on 2.11(a).	X		
	PMWP or amendment development costs are within 5% of the total WA or amendment costs. Acceptable justification has been submitted if the percentage exceeds 5%.	X		At 9%, other sub-tasks included
	PMWP or amendment development costs are limited to preparing a PMWP or amendment. Additional sub-tasks, if included, have been conceptually approved.	X		
7.	**Schedule 2.11(g) Supplemental - Cost Control Report (subs)**			
	Schedules include all applicable subcontracts and management fees (for unit price only).	X		
8.	**Schedule 2.11(a)**			
	Rates for indirect and fixed fee match contract rates.	X		
	All numbers rolled up into Schedule 2.11(a) add up.	X		
9.	**Additional Cost Information/Comments**			

Rev. 05/27/08

New York State Department of Environmental Conservation
Division of Environmental Remediation
Bureau of Program Management, Room 1224
625 Broadway, Albany, New York 12233-7012
Phone: (518) 402-9764 • **FAX:** (518) 402-9722
Website: www.dec.state.ny.us

Alexander B. Grannis
Commissioner

January 10, 2008

Mr. Michael Memoli, P.E.
Program Manager
Camp Dresser & McKee
100 Crossways Park West, Suite 415
Woodbury, New York 11797

Re: WA Issuance/Conflict of Interest Letter
Speonk Solvent Plume (Site No. 152185)

Dear Mr. Memoli:

The New York State Department of Environmental Conservation's Division of Environmental Remediation (DER) is issuing to your firm the work assignment (WA) identified below. This WA has been identified by your firm's I/D contract number and the next sequential WA number.

Contract/WA No.:	D004437-26
Site/Spill No./PIN:	152185
Site/Spill Name:	Speonk Solvent Plume
Program Element:	Site Characterization
WP Dev. (WPD) Budget:	$15,000
Est. Total WA Budget (includes WPD):	$487,000
Project Manager (PM):	Robert DeCandia
PM Phone No.:	(518) 402-9621
PM E-mail:	rddecand@gw.dec.state.ny.us
Contract Manager (CM):	Andrea Indelicato
CM Phone No.:	(518) 402-9710
CM E-mail:	alindeli@gw.dec.state.ny.us
M/WBE Administrator:	Thomas Christian
M/WBE Phone No:	(518) 402-9311
M/WBE E-mail:	techrist@gw.dec.state.ny.us

Please review your firm's relationship with the Potential Responsible Parties (PRPs) indicated on the enclosed Conflict of Interest Certification form. Then sign and complete the form and accept the WA by returning the document to the contract manager within five (5) calendar days of the date of this letter.

Please initiate the development of a project management work plan for this WA. It is expected that one (1) electronic copy of the work plan will be submitted to DER's contract manager

within 21 calendar days of receipt of this work assignment. Final project management work plans and budgets are to be developed so that a Notice to Proceed can be issued within 90 calendar days of the date of this letter. Failure to do so may result in termination of this WA and may affect your firm's receipt of future WAs.

The project management work plan submitted to DER must include the items listed below. If multiple sites are included in the WA, information should be provided for each site and the total WA.

1. Site description (i.e. location, environmental history).

2. Scope of work (i.e. tasks, subtasks).

3. Detailed schedule with milestones and deliverables.

4. Identification of areas of work requiring subcontracting and the certified M/WBE firms to be utilized, if known.

5. A detailed budget broken down by tasks and subtasks using the most current schedules provided by DER. The budget (i.e. titles, rates) should be in accordance with your executed standby contract.

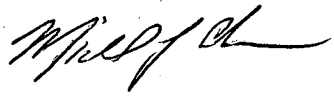
6. A staffing plan identifying the management and technical staff assigned to the WA. Include resumes of staff not previously approved by DER.

7. An M/WBE Utilization Plan. If the plan does not meet the goals in the standby contract, an explanation must be provided. Contact DEC's M/WBE Office if you have questions.

If you have any questions regarding contract issues, please contact the contract manager indicated. If you have any questions regarding the WA's scope of work, please contact the project manager indicated. The project manager has prepared the enclosed document for your use in preparing the WA. Please contact the project manager to schedule a WA scoping meeting and site visit, if appropriate.

Requests for reimbursement cannot be processed until the draft project management work plan is submitted to DER for approval.

Sincerely,



Michael J. Cruden, P.E.
Chief
Contracts and Payments Section
Bureau of Program Management
Division of Environmental Remediation

Enclosures

ec: R. DeCandia, PM
A. Indelicato, CM
W. Parish, Region 1
M. Cruden
T. Wolosen
G. Bobersky
C. Vasudevan
T. Christian, M/WBE
D. Durfee

Site/Spill/Pin# **152185**
WA# **D004437-26**

NYSDEC Division of Environmental Remediation
Conflict of Interest Certification

(fax or email completed form to CM within 5 business days of receipt)

To the best of the NYSDEC's knowledge, the potential responsible parties listed below are the known potential responsible parties, as of the date of the issuance of the work assignment letter:

Speonk Sand & Gravel, High St.; Tom Datre property, Speonk Riverhead Rd.; Feather Sales Agency of Long Island, a former feather processing facility, North Phillips Ave.; Cornell Cooperative Duck Research Facility, Old Country Rd.

Please check one of the boxes below:

☐ The Contractor believes there are no potential conflicts with the PRPs listed above.

☐ The Contractor believes there are the following potential _____ organizational or _____ personal conflict(s) of interest (provide the nature of the potential conflict, dates or time frame, approximate dollar amount, current business relationship with the PRP, whether the potential conflict is directly with contractor or an affiliate/subsidiary/team member, what percentage of the contractor's business with the PRP bears to the contractor's business as a whole and any other relevant information):

_____

_____

If a potential conflict(s) exist, the Contractor should complete the following:

The tasks and responsibilities included in the WA are largely standardized and require limited application of judgment and opportunity for judgment to be influenced. ☐ Yes ☐ No
Explain:_____

_____

There is a mechanism for adequate independent quality assurance. This may include quality reviews of data results or periodic inspections by State staff. ☐ Yes ☐ No
Explain:_____

_____

A New York State Professional Engineer certification of all reports and recommendations produced by the contractor is required by the WA. ☐ Yes ☐ No

The Contractor believes it can take adequate actions to avoid, mitigate, or minimize the actual or potential conflict(s). ☐ Yes ☐ No
Explain:_____

_____

Indicate if additional information is attached to this certification. ☐ Yes ☐ No

The undersigned authorized representative for the contractor indicated below hereby certifies that there are no relevant facts or circumstances which would give rise to an organizational or personal conflict of interest as defined in Appendix B, Section III, Conflict of Interest of the executed standby contract indicated below, except as disclosed herein.

_____

Signature of Contractor's Authorized Representative Date

_____

Contractor Name

09/07

STATE SUPERFUND STANDBY CONTRACT WORK ASSIGNMENT
SITE CHARACTERIZATION

CONTRACT TYPE: COST PLUS FIXED FEE

Site Name: Speonk Solvent Plume
Site No. 152185
NYSDEC Project Manager: Robert DeCandia

SECTION 1: INTRODUCTION

1.1 General

The purpose of this Engineering Standby Contract Work Assignment is to conduct a Site Characterization of the Speonk Solvent Plume site. The Site is located in Speonk, Suffolk County, New York.

1.2 Work Assignment Objective

The objective of this work assignment is to complete the Site Characterization of the Speonk Solvent Plume. The Site Characterization will identify and investigate any potentially contaminated areas of concern at the site, for possible inclusion, to the Registry of Inactive Hazardous Waste Disposal Sites.

SECTION 2: SITE DESCRIPTION AND HISTORY

2.1 Site Location and Description

The New York State Department of Environmental Conservation (NYSDEC), utilizing ERM, a former state standby consultant, conducted investigative activities at the Speonk Solvent Plume between February 2004 and January 2007. Delineation and source identification of the widespread chlorinated solvent plume has not been completed yet and that work assignment has expired. Consequently, this work assignment has as its goal to complete the site characterization activities for this project.

The Speonk Solvent Plume encompasses about 600 acres and is located in the vicinity of the intersection of Phillips Avenue and Old Country Road, Town of Southampton, Suffolk County, New York. The about 4000 feet long plume lies within a rural area considered part of the Central Pine Barrens Preserve.

The northern portion of the Site, located north of Old Country Road, is generally undeveloped land, with a few light industrial/commercial businesses, a sand and gravel quarry, and an auto dismantling facility. The area south of Old Country Road is developed with single family homes and commercial businesses. Private water supply well impacts were located south of Old Country Road.

2.2 Disposal History

Background searches and prior site characterization investigation have not located the source of the contamination. It may be that several source areas exist, some of which are believed to be former dumping sites in the undeveloped wooded areas.

Nearby sites include B.B. & S. Treated Lumber Corporation, Site No. 152123, an inactive hazardous waste disposal site located directly to the east of the plume. From the early 1980s to 1996, this site operated as a lumber treatment and storage facility. Lumber was pressure-treated using chromated copper arsenic. The heavy metal contaminants from the B.B. & S. site appear unrelated to the solvents found in the Speonk Solvent Plume.

A second site, located to the north, is Speonk Sand and Gravel, Site No. 152085. This site is a sand mine with an associated construction and demolition (C&D) permitted facility which had a PSA conducted in 1991 due to the presence of a C&D landfill. The results of a Phase II Investigation could not document the disposal of hazardous waste and the site was re-classed to an "N" listing.

2.3 Previous Site Characterization Investigation Results

Suffolk County Department of Health Investigation

As a result of property development in December 2001, the Suffolk County Department of Health Services (SCDHS) sampled a private well at a residence in Speonk and detected elevated levels of chlorinated volatile organic compounds (CVOC). The highest concentration detected was for tetrachloroethene (PCE) in groundwater, at 1,200 micrograms per liter(µg/l). Follow-up sampling by the SCDHS in the following weeks at other nearby residences revealed 820 µg/l of PCE in a sample collected from a supply well at a nearby home. The results of this sampling prompted the SCDHS to map the area of impacted ground water. Fifteen (15) vertical groundwater profile borings were installed and subsequent monitoring wells (SP-1 to SP-15) were constructed. The monitoring wells were screened at the water table; however, the profiling detected zones of contamination were below the surface of the water table. After installation of the fifteen monitoring wells, groundwater samples were collected from each well and analyzed. The relative elevations of the monitoring wells were surveyed to determine the approximate direction of groundwater flow. The groundwater flow direction was estimated to be toward the south.

As part of the investigation, forty-five (45) private potable wells were sampled, five (5) of which were found to contain CVOC exceeding standards. The five (5) impacted private drinking water wells contained CVOCs consisting of PCE; trichloroethene (TCE); 1,1,1-trichloroethane (1,1,1-TCA); chloroform; and carbon tetrachloride. Total CVOC concentrations as high as 1,673 µg/l were detected in one of the private potable wells sampled. The affected homes were provided with alternative water supplies.

NYSDEC Site Characterization Activities

Following the SCDHS investigation, additional activities were conducted in accordance with the NYSDEC State Superfund Standby Contract Work Assignment No. D003970-16 by ERM. The work under Work Assignment No. D003970-16 by ERM is described below.

SOIL VAPOR PHASE INVESTIGATIONS

Various soil vapor investigations were carried out as part of the investigation. All of the field tasks were completed in accordance with ERM's Standard operating Procedures (SOPs) and health and safety protocols. In addition, elements of the New York State Department of Health (NYSDOH) Draft Guidance for Evaluating Soil Vapor Intrusion in the State of New York, February 2005 (NYSDOH Draft Guidance), were followed.

Gore-Sorber® Soil Vapor Survey

Passive soil gas samples were installed at 69 locations to identify migration of CVOC vapor emanating from impacted groundwater and/or from contaminated soil. The passive soil gas samples were collected using Gore-Sorber® modules which were deployed during three (3) mobilizations. The first mobilization in August 2004 included the deployment of Gore-Sorber® modules along four (4) transects.

Soil Vapor /Indoor Air/Sub-Slab/ and Ambient Air Sampling (2005)

Soil vapor samples, indoor air, sub-slab, and ambient air sampling were carried out to assess potential soil vapor impacts to building structures by the CVOC plume or other potential sources.

In January 2007, ERM installed four (4) temporary soil vapor points along the anticipated plume axis. The vapor points were installed to a depth of about eight (8) feet below grade utilizing the AMS Retract-A-Tip soil vapor sampling kit. The purpose of this soil vapor investigation was to characterize and identify potential soil vapor concerns of the properties that are proposed for development.

Soil Vapor Testing Results

Soil gas impacts from contaminated groundwater or from soil contaminants by CVOCs were detected. The soil gas contaminants are chlorinated solvents (i.e., PCE, TCE, chloroform).

Soil vapor impacts were observed beneath residential buildings south of Old Country Road. Impacts to air quality within those residential structures were observed. This area is likely located in the vicinity of a disposal area due to the existence of elevated CVOC compounds in the soil vapor. Another likely disposal/release area exists in the undeveloped land at the north end of the Site. This location is planned for residential housing. Soil vapor samples collected in this area of the Site did not identify a significant soil vapor issue; however, vapor samples were collected a few days after a significant rain event and results may be biased low in this respect.

GROUNDWATER INVESTIGATION

Various groundwater investigations have been previously conducted.

Groundwater Profiling

Groundwater profile borings were installed across the Site to assess groundwater quality in the investigation area where CVOC impacted soil gas and/or groundwater was previously detected. Groundwater profile borings were installed at 24 locations using direct push drilling over the course of five (5) mobilizations. A total of 134 groundwater samples were collected throughout the groundwater profiling effort.

Monitoring Well Installation

To augment the groundwater quality data obtained from the existing monitoring well network, Parrat-Wolf Inc., under ERM supervision, installed a total of seven (7) permanent monitoring wells in June 2005. Permanent monitoring well locations were approved by the NYSDEC and located based on observed groundwater flow direction, a review of the results of the previous investigations, field observations, and the findings of the groundwater profiling investigation performed in January 2005.

Ground Water Sampling Results

Groundwater samples were collected from 24 groundwater profiles and a permanent groundwater monitoring well network consisting of thirteen (13) SCDHS monitoring wells and seven (7) newly installed monitoring wells.

CVOCs above the NYSDEC TOGS Class GA ground water standards were observed in groundwater profile borings and monitoring wells across the Site study area. Compounds detected included (CVOCs in order of highest frequency of detection): chloroform, PCE, TCE, 1,1,1-TCA and carbon tetrachloride.

The highest CVOC concentrations were observed in the central portion of the Site in the vicinity of the Circle Place, where monitoring wells MW-16 and MW-18 are installed and south of Old Country Road.

The compounds detected at the greatest frequency were chloroform, PCE, and TCE. PCE was detected in a total of 43 samples, TCE was detected in 36 samples and chloroform was detected in 65 samples. Chloroform was the constituent observed at the highest concentration throughout the groundwater profile sampling. Chloroform concentrations in groundwater ranged from non-detect (ND) to 950 µg/l at GB-04 (76 feet below ground surface (bgs)). PCE concentrations ranged from ND to 230 µg/l at GB-04 (76 feet bgs). TCE concentrations in groundwater ranged from ND to 250 µg/l at GB-04 (76 feet bgs). GB-04 was the furthest downgradient groundwater profile installed throughout the investigation and as noted above the boring contained chloroform, consequently, the downgradient extent of groundwater impacts was not fully delineated.

The results of the groundwater analysis did not detect semi-volatile organic compounds in any of the samples.

Inorganics, i.e., metals, detected in the groundwater above standards include; antimony, cadmium, chromium, iron, lead, manganese, nickel, silver, thallium and zinc. The metals in groundwater may not be accurately measured since groundwater turbidity at the time of sample collection was elevated. Therefore, to accurately characterize metals in groundwater, low flow sampling methods or field filtering should be employed when evaluating metals/inorganics in groundwater.

SECTION 3: SCOPE OF WORK AND TASK DESCRIPTION

3.1 Site Characterization (SC)

The Consultant will be responsible for performing the SC at the site and will be required to conduct these activities under the following protocols: New York State Department of Health, Soil Vapor Intrusion Guidance, October 2006, for soil vapor investigation and NYSDEC, Division of Environmental Remediation, Draft DER-10 Technical Guidance for Site Investigation and Remediation.

3.2 Work Assignment Tasks

Task 1- Work plan Development

A draft Site Characterization (SC) Work Plan will be submitted to the NYSDEC within five weeks of receiving the Work Assignment. Development of the SC Work Plan will include the following:

- Historic Records Search: Available environmental data, historic information, documents, maps, aerial photos, building permits, reports, drainage maps, utilities, adjacent property owners, etc., will be located and reviewed. All potential areas of contamination will be identified and evaluated. Surface and subsurface characteristics of the site, including topography, soil characteristics, depth to groundwater and any confining units will be determined.

- Site Visit: The NYSDEC's project manager will conduct a site visit with the Consultant's project manager. The NYSDEC will schedule the site visit within two weeks of the Consultant's acceptance of this work assignment.

NYSDEC's Project Manager and the Consultant's Project Manager may convene a project scoping meeting in Albany, NY, after a site visit.

Draft SC Work Plan due two weeks after the site visit. It will include;

- A statement of the general Scope of Work for the SC

- Preliminary detailed field activities for the SC will be developed

- A detailed Level of Effort (LOE) and budget for Task 1, Work Plan Development

- Preliminary estimate of the LOE and budget for conducting the SC Tasks and associated activities

- Preliminary projection of the Work Assignment schedule, including milestones and deliverables for the SC

- Project Staffing Plan, identifying key management and technical staff members, with resumes, listing their areas of responsibility and experience with Triad Method investigation projects

- Identification of work items to be subcontracted including a Minority/Women owned Business Enterprise Utilization Plan

If necessary, the NYSDEC will hold a meeting between the Consultant's representatives and appropriate NYSDEC staff in Albany to review comments and details of the draft SC Work Plan.

The NYSDEC will allow reasonable time for revision and submittal of the Final SC Work Plan.

The NYSDEC must deem the Final SC Work Plan and associated budget acceptable before a Notice to Proceed can be issued.

The Final Work Plan will contain the following elements:

- Data and Records Search: Summary of available historic information of adjacent/ down-gradient property owners, with contact information.

- Detailed Field Activities: The Work Plan will include all pertinent information on field work, construction details of monitoring wells, sampling locations and methods. The Work Plan will also take into account the number of samples to be collected and analyzed, analytical methods to be used, and a detailed schedule of activities, to the degree practicable. As the Triad Method will be employed, elements of the SC to be decided in the field must be clearly identified and the decision-making methodology explained.

- Site Specific Health and Safety Plan: The Health and Safety Plan will contain a section on community health and safety during field work. Air monitoring procedures and contaminant action levels must be included in this section which should conform to the Generic Community Air Monitoring Plan.

- Site Specific Quality Assurance Project Plan: All quality assurance protocols, as detailed in Work Element V of the Standby Contract, must be included and approved by the NYSDEC.

- Detailed Work Assignment Budget: A detailed budget for the completion of the SC will be included. This budget will detail all personnel, non-personnel and subcontractor costs.

- Detailed Schedule: The schedule will include all activities anticipated during the SC. To meet the desired project schedule, it may be necessary to have the analytical laboratory and/or the data validator provide quick turnaround times.

When the work plan is approved by the NYSDEC, a Notice to Proceed will be sent from the NYSDEC to the Consultant. Work Plan development will be scheduled so that a Notice to Proceed can be issued within 90 calendar days of work assignment acceptance. No field work will begin until the NYSDEC approves the SC work plan and a Notice to Proceed is issued by the NYSDEC.

Task 2- Site Characterization Investigation

The site characterization is intended to determine whether the applicable SCGs are contravened, if adverse impact to fish and wildlife resources exist or potentially exists, and if public health exposure exists or potentially exists. Sufficient data must be generated during the investigation to identify and investigate any potentially contaminated areas, and to determine whether or not a site requires remediation.

The site characterization investigation should fully develop a conceptual site model describing the source, nature and extent of the site related contaminants. Systematic and dynamic investigative techniques, the Triad Method, should be utilized during the investigation to fully characterize the site source(s) of contamination, laterally and vertically. Whenever possible, small diameter direct push and real-time analytical equipment should be utilized to reduce costs, speed installation, and reduce investigation-derived waste. Work should be scheduled to reduce the total number of site mobilizations.

The investigation should be planned to utilize the three main components of the Triad Method as described below:

Systematic Planning. Systematic planning lays a scientifically defensible foundation for proposed project activities. The data required to make key decisions should be clearly understood and presented. It includes the development of a conceptual site model to support decision-making which can and should evolve and mature as data becomes available. Decision uncertainty along with approaches for managing that uncertainty in the context of the conceptual site model is evaluated in the work plan. The work plans should also clearly describe the decision-making team and the means by which data will be communicated to the team, graphically presented, reviewed, and how decisions will be documented.

Dynamic Work Strategies. Work strategies for investigation which incorporate the flexibility to change or adapt to information generated by real-time or near real-time measurement technologies are preferred. As information is gathered, it is used to make decisions about what subsequent activities will best resolve remaining data and decision uncertainties, and/or meet cleanup goals. Dynamic work strategies are usually documented as pre-approved decision logic within appropriate planning documents.

Real-time Measurement Technologies. Real-time measurement technologies refer to any data generation mechanism that supports real-time decision-making (i.e., a dynamic work strategy)

including rapid turnaround from a fixed laboratory (using either quantitative or screening analytical methods), or field-based measurement technologies. Real-time measurement technologies return results quickly enough to influence the progress of data collection and field activities. An appropriate percentage of samples should still be collected for verification of the real-time or screening analysis.

Additional Triad Method related information can be found on the Triad Resource Center, located at http://www.triadcentral.org

Each task in the site characterization investigation should be listed separately on the 2.11 forms.

The dynamic work plan should include the following, but is not limited to:

- Base Map Development: Before initiation of on-site field activities, a base map of the study area must be developed. In time, the base-map will be used to accurately depict all sampling locations including cesspools, storm drains, soil gas points, soil borings, monitoring wells, groundwater flow direction, contours of contaminant concentration, and all other items of significance. The map should also be utilized to present the realtime or near real-time data to the decision making team.

- Survey: The Consultant will develop the site plan depicting general site features (i.e., buildings, roadways, utility poles, fences, addresses, etc.) within the vicinity of the site. Ultimately the locations of all sample points and existing monitoring wells will be surveyed. The horizontal and vertical positions will be tied into the North American Datum 1983 and UTM Zone 18N coordinate system. The vertical positions will be tied to the North American Vertical Datum 1988 (NAVD88). The measuring associated with the monitoring wells will be recorded to an accuracy level of 0.01 feet vertically. The final survey will be supplied in a digital CAD format (i.e., DWG or DXF files in the coordinates above).

- The investigation will need to delineate the extent of any sources and/or soil contamination, the geology/ lithology/hydro geology. The work plan should describe and estimate the cost for an estimated number of samples necessary to delineate the contamination in all environmental media.

- Groundwater: The work plan should clearly describe how groundwater flow direction, vertical gradients, hydraulic conductivity, and other relevant hydrogeological information will be determined in the context of the triad-type investigation. The reason for, and description of any permanent wells or piezometers should be presented.

- Data Usability Summary Report: A Data Usability Summary Report should be prepared by a party independent from the laboratory performing the analysis for all samples where Category B deliverables are provided.

Task 3- Site Characterization Investigation Report

Upon completion of the field work, a draft SC report will be generated for the site. The Draft SC report is to be submitted within 165 days after issuance of the Notice to Proceed. The report will include the following:

- Summary of Analytical Data: The report will summarize analytical data, using tables and maps to the extent possible. All of the analytical data collected during this and past investigations must be included.

- Summary of Site History and Conditions: The report will include all of the information collected during the historic records and file search. The report should also include a section detailing the geologic and hydro-geologic conditions.

- Summary of Field Work: The report will include an account of all of the field work performed during this investigation. This account should include figures and tables to show sample locations, parameters analyzed for, etc.

- Evaluation of Data Collected: The completeness of the data collected during this investigation will be evaluated. Any data gaps or other areas where additional information is desirable will be identified. Recommendations on ways to fill these data gaps should be provided.

- Comparison to State Standards, Criteria and Guidelines (SCGs): SCGs for each contaminant detected will be identified and compared to existing conditions.

- A total of four copies of a draft report will be submitted, to document the work conducted, and present the results of the sample analysis for review by NYSDEC.

All environmental data will be supplied in the latest version of the DEC's EDD format and in an ArcGIS geodatabase. All electronic files should be submitted to NYSDEC on a compact disc(s).

Task 4- Document Disposition and Data

The Consultant will make their recommendation as to the proposals for future activities in the transmittal letter to the NYSDEC that accompanies the draft report. A total of four copies of the draft report will be submitted, three to the NYSDEC and one to the NYSDOH, for review and comment.

Upon receipt of these comments, the Consultant will revise the report and print the requested number of final copies indicated in the comment letter. One copy of the final report with text, tables, maps, photos, etc., will be submitted as a single PDF file. All electronic files should be submitted to the NYSDEC on a Compact Disc.

The chemical, geologic and other data are to be submitted in the most recent version of the NYSDEC EDD with the final report submission. Currently this is the USEPA National EDD or Multimedia EDD format.

The Consultant will compile a list of owner names, addresses and tax map numbers for all properties to be investigated. This list will be submitted to the NYSDEC no later than 28 days prior to the start of field work. This list will be updated when the final reports are submitted to the NYSDEC.

All field activity logs and/or field notes will be included in the final report as an appendix, and therefore, must be legible.

In addition to the letter, the draft Site Characterization Investigation report, and the Final Site Characterization Investigation report, the Consultant will submit reports addressing the following topics:

- Monthly Reports
  - Accomplishments during the reporting period
  - Problems encountered during the reporting period
  - Compliance with project schedule and budget
  - Projected changes in Scope of Work
  - Cost Control
  - Project Report

- Quarterly M/WBE Utilization Reports

Task 5- Citizen Participation Plan

The Consultant will develop a Citizen Participation Plan which will identify groups, individual and officials that may be interested in any investigative activities that take place at these sites. This plan will involve determining the addresses of adjacent property owners, local officials, and advocacy groups. The Consultant may be called upon to provide information and assist at a public meeting, and generate a fact sheet to be distributed to the addresses compiled.

SECTION 4: COST ESTIMATES

Work Assignment Cost Estimate
Speonk Solvent Plume (Site No. 1-52-185)

Task Item	Description	Dollars
1	Workplan Development	$15,000
2	Site Characterization Investigation	$422,000
3	Site Characterization Report	$30,000
5	Document Disposition and Data	$12,000
6	Citizen Participation Plan	$8,000
	Total Estimated Budget for Tasks 1-6	$487,000

SECTION 5: WORK SCHEDULE

The work assignment will be completed within one year of the Notice to Proceed. Below is the work assignment estimated project schedule.

Project Schedule Estimate
Speonk Solvent Plume (Site No. 1-52-185)

Project Milestone	Elapsed Time
Issue Work Assignment (WA)	-
Acceptance of WA	7 days after issuance
Site Reconnaissance	14 days after acknowledgment
Scoping Session	7 days after site reconnaissance
Draft SC Work Plan	7 days after scoping session
Final SC Work Plan	37 days after draft WP
Notice to Proceed	18 days after final WP
Site Characterization Investigation Start	15 days after the notice to proceed
Draft SC Report	120 days after SC Investigation Start
Final SC Report	30 days after Draft SC Report

New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau A
625 Broadway, 11th Floor
Albany, New York 12233-7015
Phone: (518) 402-9625 • **Fax:** (518) 402-9022
Website: http://www.dec.ny.gov

Alexander B. Grannis
Commissioner

MEMORANDUM

TO: Salvatore Ervolina, Assistant Division Director, DER

FROM: Guy T. Bobersky, Section Chief, REM-A
THROUGH: Chittibabu Vasudevan, Director, BURA

SUBJECT: Conceptual Approval Memo, Speonk Solvent Plume, Site No. 152185

DATE: December 5, 2007

Site No., Site Name and Location: Speonk Solvent Plume, Site No. 152185, Southampton (T), Suffolk County

Site Information: The Speonk Solvent Plume encompasses approximately 600 acres and is located in the Town of Southampton, Suffolk County, New York. The about 4000-foot long plume lies within a rural area considered part of the Central Pine Barrens Preserve.

The New York State Department of Environmental Conservation, using ERM, a former state standby consultant, conducted investigative activities at the Speonk Solvent Plume between February 2004 and January 2007. That state superfund standby contract expired before the delineation and source identification of the chlorinated solvent plume could be completed. Consequently, another work assignment needs to be issued to complete the work.

Conflict of Interest: The potential responsible parties are listed below:

Speonk Sand & Gravel, High St.
Unknown junk yard, High St.
Unknown asphalt plant, Speonk Riverhead Rd.
Solid waste/carting facility, Speonk Riverhead Rd.
Tom Datre property, Speonk Riverhead Rd.
Feather Sales Agency of Long Island a former feather processing facility, North Phillips Ave.
Cornell Cooperative Duck Research Facility, Old Country Road

Program Element: Site Characterization

Duration: One Year

Estimated Budget: Work Plan Development Cost - $15,000; Work Plan Cost - $472,000; Total Cost - $487,000

Funding Source: State Superfund

Brief Description of Scope of Work: Attached is the project Work Assignment.

Attachment

ec: Robert DeCandia, REM-A
Guy T. Bobersky, Section Chief, REM-A
Chittibabu Vasudevan, Director, BURA
Dave Finlayson, Chief, FMS
Michael Cruden, Chief, CPS
Donna Weigel, Director, BPM
Dale A. Desnoyers, Division Director

From: Michael Cruden
To: Andrea Indelicato
Date: 1/10/2008 7:47:52 AM
Subject: Fwd: Re: Request for Conceptual Approval- Speonk Solvent Plume Investigation, #152185

please issue to CDM - ID

>>> Sal Ervolina 01/09/08 5:28 PM >>>
I approve the conceptual approval memo for Site Characterization at the Speonk Solvent Plume Site.

>>> John Swartwout 12/5/2007 11:15 AM >>>
I request conceptual approval for the Speonk Solvent Plume, Site No. 152185, site characterization state superfund standby contract work assignment.

The attached file represents the site characterization state superfund standby contract work assignment for this project.

The Department conducted site characterization activities at the Speonk Solvent Plume between February 2004 and January 2007 using a state superfund standby contractor. That state superfund standby contract expired before the delineation and source identification of the chlorinated solvent plume could be completed. Consequently, another work assignment needs to be issued to complete the work.

The Work Plan Development Cost is estimated at $15,000 with the total Work Assignment Cost estimated at $487,000.

CC: Lisa Lewis