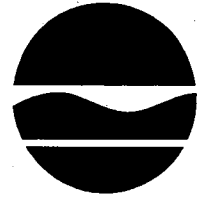


workplan.hw.835013.2007-09-04.D004439-01\_MPI.pdf

**New York State Department of Environmental Conservation  
Division of Environmental Remediation, 12<sup>th</sup> Floor**

625 Broadway, Albany, New York 12233-7011  
Phone: (518) 402-9706 • FAX: (518) 402-9020  
Website: [www.dec.state.ny.us](http://www.dec.state.ny.us)



Alexander B. Grannis  
Commissioner

*Via E-Mail and Regular Mail*

SEP - 4 2007

Mr. Bruce Nelson  
Malcolm Pirnie, Inc.  
43 British American Boulevard  
Latham, NY 12110

Re: Work Plan Amendment Approval/Notice to Proceed  
Contract/WA No. - D004439-1.1  
Site No. - 835013  
Site Name - Modock Road Springs

Dear Mr. Nelson:

The New York State Department of Environmental Conservation's Division of Environmental Remediation (DER) approves the work plan amendment dated August 2007 for the above referenced work assignment (WA) in the amount of \$167,288 for the total work plan budget of \$217,288 for additional air sampling, updated QAPP & HASP, mitigation system installation, public meeting support, well survey and water level measurements.

DER authorizes your firm to proceed with the scope of work in this WA's approved work plan amendment. 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, Jason Pelton, at (518) 402-9812.

Sincerely,

Dale A. Desnoyers  
Division Director  
Division of Environmental Remediation

cc: **J. Pelton, PM**  
**R. Burger, CM**  
**P. Kappeller, Payments**  
**T. Wolosen**  
**S. Gupta**  
**M. Cruden**  
**D. Weigel**  
**J. White**

Enclosure

**R. Knizek**  
**D. Desnoyers**  
**B. Moulhem**  
**B. Putzig, Region 8**  
[bnelson@pirnie.com](mailto:bnelson@pirnie.com)  
[dloewenstein@pirnie.com](mailto:dloewenstein@pirnie.com)

New York State Department of Environmental Conservation  
625 Broadway • Albany, NY 12233

**APPROVED**  
*R. Singer* 8/24/07

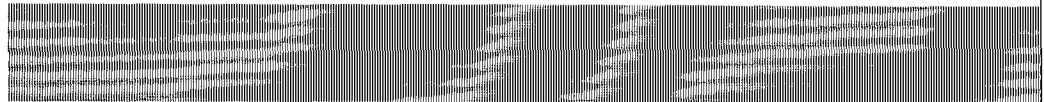
**APPROVED**  
*[Signature]* 8/24/07

**Modock Road Springs/DLS Sand and  
Gravel, Inc. Site (HW 8-35-013)  
Victor, New York**

**Work Assignment # D004439-1.1**

# **Immediate Investigation Work Plan Addendum**

August 2007



Work Plan Prepared By:

**Malcolm Pirnie, Inc.**

43 British American Blvd.  
Latham, NY 12110  
518-782-2100

0266353

**MALCOLM  
PIRNIE**

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- A. 2.11 Schedules

# 1. Introduction

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The New York State Department of Environmental Conservation (NYSDEC) has issued an Immediate Investigation Work Assignment (IIWA) Addendum for the Modock Road Springs Site in Victor, New York. Malcolm Pirnie, Inc. (Malcolm Pirnie) has prepared this proposed Work Plan Addendum following acceptance of the Work Assignment Addendum.

The Work Assignment Addendum will be conducted under the NYSDEC State Superfund Standby Contract (Work Assignment No. D004439-1.1). In response to the NYSDEC's request, Malcolm Pirnie proposes to conduct the following work elements, which are summarized in Section 2:

- ❑ Additional Air Sampling.
- ❑ Update Quality Assurance Project Plan (QAPP) and Health and Safety Plan (HASP).
- ❑ Mitigation System Installation.
- ❑ Public Meeting Support.
- ❑ Well Survey.
- ❑ Water Level Measurements.

These work elements will be completed as Task 4 of the original IIWA Work Plan submitted in January 2007.

## 2. IIWA Addendum Work Elements

---

The additional IIWA work elements will be completed prior to initiating the Remedial Investigation/Feasibility Study (RI/FS).

### **Additional Air Sampling**

Air and soil vapor samples will be collected at 45 residences using the same procedures utilized during the February 2007 sampling event and described in the IIWA Work Plan. Malcolm Pirnie will also assist NYSDEC with physical testing in 8 to 10 residences in which radon mitigation systems are operating.

### **Update QAPP and HASP**

The QAPP and HASP will be updated based on the proposed field tasks to be conducted during the IIWA and RI/FS. Proposed tasks include installing soil vapor sampling probes, advancing direct-push membrane interface probes, drilling soil borings, installing monitoring wells, monitoring groundwater quality, and installing soil vapor intrusion mitigation systems.

### **Mitigation System Installation**

Malcolm Pirnie will design and observe the installation of soil vapor intrusion mitigation systems at up to three residences based on the results of the indoor air and sub-slab vapor sampling. The estimated costs of the systems and their installation have also been included in Appendix A.

### **Public Meeting Support**

Malcolm Pirnie will prepare for and attend one public meeting to support the NYSDEC. Costs for two Malcolm Pirnie employees to attend one public meeting and associated preparation time are included in Appendix A.

### **Well Survey**

Malcolm Pirnie will contract with a New York State-licensed surveyor to locate and run differential levels for the existing monitoring wells. The surveyor will complete a survey of monitoring wells at the site and on the adjacent DLS Sand and Gravel Inc. property. The well survey will include the location and elevations of ground surface, top of well casing, and top of surface casing/curb box elevation (ring). The site and site datum will be surveyed in UTM coordinates using the North American Datum of 1983. All elevations will be in feet. The locations will be surveyed to within 0.1 foot and elevations will be surveyed within 0.01 foot. Deliverables will be in electronic format compatible with AutoCAD. The surveyor shall provide three semi-permanent control points to be set for future use and mark measuring point elevation with permanent black marker on north edge of polyvinylchloride (PVC) riser.

**Water Level Measurements**

Malcolm Pirnie will inspect the condition of the existing monitoring wells and conduct one round of water level measurements from the existing monitoring well network. Water levels will be measured to the nearest 0.01 foot. These water levels will be used to evaluate groundwater flow at the site. Malcolm Pirnie will prepare a potentiometric contour map for NYSDEC review.

### **3. Proposed Minority and Women-Owned Business Enterprise (MBE/WBE) Participation**

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This MBE/WBE Plan provides the good faith efforts to be undertaken by Malcolm Pirnie to comply with the requirements of the NYSDEC established in Contract D004439 to subcontract with minority- and women-owned business enterprises and to employ minorities and women. The purpose of the MBE/WBE Plan is to demonstrate and document Malcolm Pirnie's intention to make a good faith effort to meet the goals as stated in the contract. These goals are as follows:

1. The Contractor agrees to make good faith efforts to subcontract at least 15 percent of the dollar value of this contract to Minority-Owned Business Enterprises and at least 5 percent of such value to Women-Owned Business Enterprises.
2. The Contractor agrees to make good faith efforts to employ or contractually require any Subcontractor with whom it contracts to make good faith efforts to employ minority group members for at least 10 percent of, and women for at least 10 percent of, the work force hours required to perform the work under this Contract.

This MBE/WBE Plan has been prepared to address MBE/WBE involvement in the work elements under NYSDEC Work Assignment D004439-1.1, Immediate Action Work Plan Addendum for the Modock Road Springs Site in the Town of Victor, New York. This specific plan incorporates the provisions of Malcolm Pirnie's corporate plan for Affirmative Action.

#### **3.1. Malcolm Pirnie Corporate Affirmative Action Statement**

Malcolm Pirnie supports the NYSDEC's commitment to minority- and women-owned business enterprises. The firm will make good faith efforts to meet or exceed the 15 percent MBE and 5 percent WBE goals for this contract. Malcolm Pirnie is in compliance with Title VII of the Civil Rights Acts of 1964, as amended by the Equal Employment Opportunity Act of 1972.

It is our policy to provide equal opportunity to all qualified persons without regard to race, color, religion, sex, age, national origin, physical handicaps, sexual or affectional preference or marital status, and to promote the full realization of equal opportunity through a positive continuing affirmative action program.





The firm assures applicants and staff members that equal opportunity and equal consideration is afforded in personnel actions with respect to recruiting and hiring, development programs, job assignments, promotion, compensation, transfer, and other status changes.

It is the objective of the firm to provide full employment opportunities for members of minority groups and to employ meaningful numbers at all job levels through effective upgrading and recruiting. Toward this end, the firm's Manager of Human Resources has the responsibility for ensuring that Malcolm Pirnie is in compliance with all aspects of Federal and State Civil Rights laws.

It is the policy of Malcolm Pirnie to consider applicants for employment, training and upward mobility programs that may be necessary without regard to race, religion, color, sex, age, physical handicap or any other factor unrelated to job performance. Malcolm Pirnie also supports career counseling, and training and development for all employees. Minorities and women are encouraged and afforded every opportunity to participate in all company-sponsored educational, training, recreational, professional and social activities.

### **3.2. Areas of Potential MBE/WBE Participation**

The tasks identified for the Modock Road Springs Site Immediate Investigation Work Plan Addendum are as follows:

❑ Task 4: Additional IIWA.

Subcontractors and suppliers are anticipated to be needed to assist or provide supplemental services to Malcolm Pirnie in a number of areas. It is Malcolm Pirnie's intent to solicit MBE/WBEs during the procurement of subcontractors for this project. One or more MBE/WBE firms will be included in the list of firms solicited for each of the following subcontract areas of work:

- ❑ Environmental Laboratory Analysis.
- ❑ Data Validation/Data Usability Review.
- ❑ Field Technical Support.
- ❑ Vapor Intrusion Mitigation System Installation.
- ❑ Surveyor.

A summary table of bids received for the work, including the MBE/WBE status of each firm is included in Appendix A.

**New York State Department of Environmental Conservation**  
Immediate Investigation Work Plan Addendum

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APPENDIX

**A**

**2.11 Schedules**



**Schedule 2.11 (a)**  
**SUMMARY OF WORK ASSIGNMENT PRICE**  
D-004439-1.1  
Modock Road Springs

1. Direct Salary Costs [Schedule 2.11(b)]	\$28,416
2. Indirect Costs (1.753)	\$49,814
3. Direct Non-Salary Costs [Schedule 2.11(c)(d)]	\$12,954

**Subcontract Costs:**

Cost-plus-fixed-fee Subcontracts [Schedule 2.11 (e)]		
Name of Subcontractor	Services To Be Performed	Subcontractor Price
A.	0	\$0
<b>4. Subtotal Cost-plus-fixed-fee Subcontracts</b>		<b>\$0</b>

Unit Price Subcontracts [Schedule 2.11(f)]		
Name of Subcontractor	Services To Be Performed	Subcontractor Price
A. Laboratory - Columbia Analytical	Analytical	\$61,074
B. Data Validation - Data Validation Services (WBE)	Air Analytical	\$6,890
C. Field Crew - Aztech Technologies (WBE)	Field Assistance	\$23,998
D. SSDS Installer - Aztech Technologies (WBE)	SSDS Installation	\$13,621
E. Surveyor - OM P Popli (MBE)	Survey	\$7,065
F. Vendor	Services	\$0
<b>5. Total Unit Price Subcontracts</b>		<b>\$112,648</b>

6. Subcontract Management Fee	\$5,633
7. Total Subcontract Costs (lines 4+5+6)	\$118,281
8. Fixed Fee	\$7,823
<b>9. Total Work Assignment Price (lines 1+2+3+7+8)</b>	<b>\$217,288</b>

**SCHEDULE 2.11 (b) - Tasks 1 through 4**

**SUMMARY TOTAL OF DIRECT LABOR HOURS**

D-004439-1.1

Modock Road Springs

[WORKSHEET - Not to be submitted]

NSPE Labor Classification		9	8	7	6	5	4	3	2	1	Tech	Total No. Direct Labor Hours Budgeted	Direct Labor Cost
Task #	Task Name												
Task 1	Work Plan Preparation	0	6	0	8	0	0	27	0	0	0	41	\$1,458.22
	2006	0	5	0	6	0	0	23	0	0	0	34	\$1,195.08
	2007	0	1	0	2	0	0	4	0	0	0	7	\$263.14
	2008	0	0	0	0	0	0	0	0	0	0	0	\$0.00
	2009	0	0	0	0	0	0	0	0	0	0	0	\$0.00
Task 2	Indoor Air Sampling	0	2	0	4	0	0	85	0	0	0	91	\$2,693.06
	2006	0	0	0	0	0	0	0	0	0	0	0	\$0.00
	2007	0	2	0	4	0	0	85	0	0	0	91	\$2,693.06
	2008	0	0	0	0	0	0	0	0	0	0	0	\$0.00
	2009	0	0	0	0	0	0	0	0	0	0	0	\$0.00
Task 3	Reporting	0	3	0	10	0	0	26	0	0	6	45	\$1,434.72
	2006	0	0	0	0	0	0	0	0	0	0	0	\$0.00
	2007	0	3	0	10	0	0	26	0	0	6	45	\$1,434.72
	2008	0	0	0	0	0	0	0	0	0	0	0	\$0.00
	2009	0	0	0	0	0	0	0	0	0	0	0	\$0.00
Task 4	Additional IIWA	0	20	90	6	0	0	250	350	30	0	746	\$22,830.30
	2006	0	0	0	0	0	0	0	0	0	0	0	\$0.00
	2007	0	20	90	6	0	0	250	350	30	0	746	\$22,830.30
	2008	0	0	0	0	0	0	0	0	0	0	0	\$0.00
	2009	0	0	0	0	0	0	0	0	0	0	0	\$0.00
	Subtotal 2006 Hours	0	5	0	6	0	0	23	0	0	0	34	
	Subtotal 2007 Hours	0	26	90	22	0	0	365	350	30	6	889	
	Subtotal 2008 Hours	0	0	0	0	0	0	0	0	0	0	0	
	Subtotal 2009 Hours	0	0	0	0	0	0	0	0	0	0	0	
<b>Total hours</b>		<b>0</b>	<b>31</b>	<b>90</b>	<b>28</b>	<b>0</b>	<b>0</b>	<b>388</b>	<b>350</b>	<b>30</b>	<b>6</b>	<b>923</b>	<b>\$28,416.30</b>
	Average 2006 Rate	\$64.06	\$64.06	\$54.18	\$41.07	\$34.96	\$31.88	\$27.32	\$23.84	\$19.51	\$13.29		\$1,195.08
	Average 2007 Rate	\$65.98	\$65.98	\$55.81	\$42.30	\$36.01	\$32.84	\$28.14	\$24.56	\$20.10	\$13.69		\$27,221.22
	Average 2008 Rate	\$67.96	\$67.96	\$57.48	\$43.57	\$37.09	\$33.83	\$28.98	\$25.30	\$20.70	\$14.10		\$0.00
	Average 2009 Rate	\$70.00	\$70.00	\$59.20	\$44.88	\$38.20	\$34.84	\$29.85	\$26.06	\$21.32	\$14.52		\$0.00
<b>Total Direct Labor Cost</b>													<b>\$28,416.30</b>

**SCHEDULE 2.11 (b) - Tasks 1 through 4**

**SUMMARY TOTAL OF DIRECT LABOR HOURS**

D-004439-1.1

Modock Road Springs

NSPE Labor Classification		9	8	7	6	5	4	3	2	1	Tech	
Average 2006 Rate		\$64.06	\$64.06	\$54.18	\$41.07	\$34.96	\$31.88	\$27.32	\$23.84	\$19.51	\$13.29	
Average 2007 Rate		\$65.98	\$65.98	\$55.81	\$42.30	\$36.01	\$32.84	\$28.14	\$24.56	\$20.10	\$13.69	
Average 2008 Rate		\$67.96	\$67.96	\$57.48	\$43.57	\$37.09	\$33.83	\$28.98	\$25.30	\$20.70	\$14.10	
Average 2009 Rate		\$70.00	\$70.00	\$59.20	\$44.88	\$38.20	\$34.84	\$29.85	\$26.06	\$21.32	\$14.52	
Task #	Task Name	Total Direct Labor Hours by Task for each NSPE Labor Classification										Total Direct Labor Hours Budgeted
Task 1	Work Plan Preparation	0	6	0	8	0	0	27	0	0	0	41
Task 2	Indoor Air Sampling	0	2	0	4	0	0	85	0	0	0	91
Task 3	Reporting	0	3	0	10	0	0	26	0	0	6	45
Task 4	Additional IIWA	0	20	90	6	0	0	250	350	30	0	746
Task 5	Unassigned	0	0	0	0	0	0	0	0	0	0	0
Task 6	Unassigned	0	0	0	0	0	0	0	0	0	0	0
<b>Subtotals:</b>											<b>TOTALS:</b>	
2006 hours:		0	5	0	6	0	0	23	0	0	0	34
2006 costs:		\$0.00	\$320.30	\$0.00	\$246.42	\$0.00	\$0.00	\$628.36	\$0.00	\$0.00	\$0.00	\$1,195.08
2007 hours:		0	26	90	22	0	0	365	350	30	6	889
2007 costs:		\$0.00	\$1,715.48	\$5,022.90	\$930.60	\$0.00	\$0.00	\$10,271.10	\$8,596.00	\$603.00	\$82.14	\$27,221.22
2008 hours:		0	0	0	0	0	0	0	0	0	0	0
2008 costs:		0	0	0	0	0	0	0	0	0	0	0
2009 hours:		0	0	0	0	0	0	0	0	0	0	0
2009 costs:		0	0	0	0	0	0	0	0	0	0	0
<b>Total Work Assignment Hours</b>		<b>0</b>	<b>31</b>	<b>90</b>	<b>28</b>	<b>0</b>	<b>0</b>	<b>388</b>	<b>350</b>	<b>30</b>	<b>6</b>	<b>923</b>
<b>Total Cost for Each NSPE Level</b>		<b>\$0.00</b>	<b>\$2,035.78</b>	<b>\$5,022.90</b>	<b>\$1,177.02</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$10,899.46</b>	<b>\$8,596.00</b>	<b>\$603.00</b>	<b>\$82.14</b>	
<b>Total Work Assignment Direct Labor Cost</b>											<b>\$28,416.30</b>	

**Engineer/Contract Number:** Malcolm Pirnie / D-004439  
**Project Name:** Modock Road Springs  
**Work Assignment Number:** WA-1.1

**Date Prepared:** 8/1/2007

**DETAILED BREAKDOWN OF  
 DIRECT ADMINISTRATIVE LABOR HOURS BUDGETED ON SCHEDULE 2-11(b-1)  
 [WORKSHEET - to be sent with Work Plan, but separately]**

ADMIN. TASKS	Work Plan Development										Review Work Assignment (WA) Progress																																											
	Conflict of Interest Checks					Schedule & Supporting Documentation					Conduct Progress Reviews					Prepare Monthly Project Report & Update Progress Schedule					MBE/WBE Activities					Program Management Reviews																												
NSPE Level	9	8	7	6	5	4	3	2	1	9	8	7	6	5	4	3	2	1	9	8	7	6	5	4	3	2	1	9	8	7	6	5	4	3	2	1	9	8	7	6	5	4	3	2	1									
Task 1																																																						
Task 2										1																																												
Task 3																			1																																			
Task 4																																					2																	
Task 4																																																						
Task 6																																																						
Task 7																																																						
Task 8																																																						
Task 9																																																						
Subtotal	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0					1					1					3					1					0																												

**Engineer/Contract Number:** Malcolm Pirnie / D-004439  
**Project Name:** Modock Road Springs  
**Work Assignment Number:** WA-1.1

**Date Prepared:** 8/1/2007

**DETAILED BREAKDOWN OF  
 DIRECT ADMINISTRATIVE LABOR HOURS BUDGETED ON SCHEDULE 2-11(b-1)  
 [WORKSHEET - to be sent with Work Plan, but separately]**

ADMIN. TASKS	C.A.P. PREPARATION										MISCELLANEOUS										Word Processing and Report Preparation	TOTAL DIRECT ADMIN. LABOR HOURS																							
	Prepare Monthly Cost Control Report and CAP					Oversee CAP Preparation					NSPE List Updates					Equipment Use and Inventory																													
NSPE Level	9	8	7	6	5	4	3	2	1	9	8	7	6	5	4	3	2	1	9	8	7	6	5	4	3	2	1	9	8	7	6	5	4	3	2	1	9	8	7	6	5	4	3	2	1
Task 1																																					0	1	0	0	0	0	0	0	0
Task 2																																					0	1	0	0	0	0	0	0	0
Task 3										1																											0	3	0	0	0	0	0	0	0
Task 4								6		2																		4									0	4	0	0	0	0	0	0	6
Task 4																																					0	0	0	0	0	0	0	0	0
Task 6																																					0	0	0	0	0	0	0	0	0
Task 7																																					0	0	0	0	0	0	0	0	0
Task 8																																					0	0	0	0	0	0	0	0	0
Task 9																																					0	0	0	0	0	0	0	0	0
Subtotal	0	0	0	0	0	0	0	6	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	9	0	0	0	0	0	0	6
TOTAL	6					3					0					0					4					19																			

**SCHEDULE 2.11 (b-1) - Tasks 1 through 4**

**SUMMARY TOTAL OF DIRECT ADMINISTRATIVE LABOR HOURS**

D-004439-1.1

Modock Road Springs

NSPE Labor Classification	9	8	7	6	5	4	3	2	1		
	Average 2006 Rate	\$64.06	\$64.06	\$54.18	\$41.07	\$34.96	\$31.88	\$27.32	\$23.84		\$19.51
	Average 2007 Rate	\$65.98	\$65.98	\$55.81	\$42.30	\$36.01	\$32.84	\$28.14	\$24.56		\$20.10
TASK	Total Direct Administrative Hours by Task for each NSPE Labor Classification									Total Direct Administrative Hours	
Task 1	0	1	0	0	0	0	0	0	0	1	
Task 2	0	1	0	0	0	0	0	0	0	1	
Task 3	0	3	0	0	0	0	0	0	0	3	
Task 4	0	4	0	0	0	0	0	6	4	14	
Task 5	0	0	0	0	0	0	0	0	0	0	
Task 6	0	0	0	0	0	0	0	0	0	0	
Task 7	0	0	0	0	0	0	0	0	0	0	
Task 8	0	0	0	0	0	0	0	0	0	0	
Task 9	0	0	0	0	0	0	0	0	0	0	
<b>Subtotals:</b>										<b>TOTALS:</b>	
2006 Hours	0	1	0	0	0	0	0	14	0	15	
2006 Costs	\$0.00	\$64.06	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$333.76	\$0.00	\$397.82	
2007 Hours	0	0	0	0	0	0	0	20	0	20	
2007 Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$491.20	\$0.00	\$491.20	
<b>Total Hours</b>	<b>0</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>4</b>	<b>19</b>	
<b>Total Cost (NSPE Level)</b>	<b>\$0.00</b>	<b>\$64.06</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$824.96</b>	<b>\$0.00</b>		
<b>Total Work Assignment Direct Administrative Cost</b>										<b>\$889.02</b>	



<b>Table 2.11 (c)</b>				
<b>DETAILED BREAKDOWN OF DIRECT NON-SALARY COSTS</b>				
D-004439-1.1				
Modock Road Springs				
[WORKSHEET - to be submitted with Work Plan, but separately]				
Item	Maximum Reimbursement Rate	Estimated Number of Units	Estimated Cost	Total Estimated Cost
<b>Task 1</b>			<b>Work Plan Preparation</b>	
<i>Travel &amp; Subsistence</i>				
1 Mileage (2007)	\$0.485 /mile	0 miles	\$0.00	
2 Subsistence	At Cost	At Cost	\$0.00	
3 Per diem (full day)	\$131 /day	0 days	\$0.00	
4 Per Diem (1st day & lodging)	\$120 /day	0 days	\$0.00	
5 Per Diem (last day & 75% meals)	\$33 /day	0 days	\$0.00	\$0.00
<i>Other Direct Costs</i>				
1 Reproduction	\$0.06 /page	0 copies	\$0.00	
2 Mail	At Cost	At Cost	\$0.00	
3 Communication	At Cost	At Cost	\$0.00	\$0.00
TOTAL - Task 1				\$0.00
<b>Task 2</b>			<b>Indoor Air Sampling</b>	
<i>Travel &amp; Subsistence</i>				
1 Mileage (2007)	\$0.485 /mile	1,000 miles	\$485.00	
2 Subsistence	At Cost	At Cost	\$0.00	
3 Per diem (full day)	\$131 /day	2 days	\$262.00	
4 Per Diem (1st day & lodging)	\$120 /day	2 days	\$240.00	
5 Per Diem (last day & 75% meals)	\$33 /day	2 days	\$66.00	\$1,053.00
<i>Other Direct Costs</i>				
1 Reproduction	\$0.06 /page	0 copies	\$0.00	
2 Mail	At Cost	At Cost	\$250.00	
3 Communication	At Cost	At Cost	\$0.00	\$250.00
TOTAL - Task 2				\$1,303.00
<b>Task 3</b>			<b>Reporting</b>	
<i>Travel &amp; Subsistence</i>				
1 Mileage (2007)	\$0.485 /mile	0 miles	\$0.00	
2 Subsistence	At Cost	At Cost	\$0.00	
3 Per Diem (full day)	\$131 /day	0 days	\$0.00	
3 Per Diem (first day & lodging)	\$120 /day	0 days	\$0.00	
3 Per Diem (last day & 75% meals)	\$33 /day	days	\$0.00	\$0.00
<i>Other Direct Costs</i>				
1 Reproduction	\$0.06 /page	0 copies	\$0.00	
2 Mail	At Cost	At Cost	\$0.00	
3 Communication	At Cost	At Cost	\$0.00	\$0.00
TOTAL - Task 3				\$0.00
<b>Task 4</b>			<b>Additional IIWA</b>	
<i>Travel &amp; Subsistence</i>				
1 Mileage	\$0.485 /mile	6,750 miles	\$3,273.75	
2 Subsistence	At Cost	At Cost	\$0.00	
3 Per Diem (full day)	\$131 /day	12 days	\$1,572.00	
3 Per Diem (first day & lodging)	\$120 /day	6 days	\$720.00	
3 Per Diem (last day & 75% meals)	\$33 /day	6 days	\$198.00	\$5,763.75
<i>Other Direct Costs</i>				
1 Reproduction	\$0.06 /page	0 copies	\$0.00	
2 Mail	At Cost	At Cost	\$800.00	
3 PC	\$0.00 /hour	0 hours	\$0.00	
4 CADD	\$0.00 /hour	0 hours	\$0.00	
3 Communication	At Cost	At Cost	\$0.00	\$800.00
TOTAL - Task 4				\$6,563.75
<b>TOTAL - All Tasks</b>				<b>\$7,866.75</b>

Schedule 2.11 (c)

**DIRECT NON-SALARY COSTS**

D-004439-1.1

Modock Road Springs

Item	Maximum Reimbursement Rate	Estimated Number of Units	Estimated Cost	Total Estimated Cost
<b>In-house</b>				
Mail	At Cost	At Cost	\$1,050.00	\$1,050.00
<b>Miscellaneous</b>				
Per Diem (full day)	\$131.00 /day	14 days	\$1,834.00	
Per Diem (first day & lodging)	\$120.00 /day	8 days	\$960.00	
Per Diem (last day & 75% meals)	\$33.00 /day	8 days	\$264.00	
Mileage(2007)	\$0.485 /mile	7,750 miles	\$3,758.75	\$6,816.75
<b>TOTAL</b>				<b>\$7,866.75</b>

Schedule 2.11 (d)

**SUMMARY OF EQUIPMENT ACTIVITY**

D-004439-1.1

Modock Road Springs

<b>SCHEDULE</b>	<b>Task 1</b>	<b>Task 2</b>	<b>Task 3</b>	<b>Task 4</b>	<b>Total Budgeted Cost</b>
Schedule 2.11(d)1 - Department Purchased Equipment	\$0	\$0	\$0	\$0	\$0
Schedule 2.11(d)2 - Malcolm Pirnie Owned	\$0	\$743	\$0	\$280	\$1,023
Schedule 2.11(d)3 - Rented Equipment	\$0	\$0	\$0	\$1,750	\$1,750
Schedule 2.11(d)4 - Site Dedicated Equipment	\$0	\$0	\$0	\$490	\$490
Schedule 2.11(d)5 - Consumable Supplies	\$0	\$689	\$0	\$1,135	\$1,824
<b>TOTAL</b>	<b>\$0</b>	<b>\$1,432</b>	<b>\$0</b>	<b>\$3,655</b>	<b>\$5,087</b>

**Table 2.11 (d)1**

**EQUIPMENT PURCHASED UNDER THE CONTRACT**

D-004439-1.1

Modock Road Springs

**[WORKSHEET - to be submitted with Work Plan, but separately]**

<b>Item</b>	<b>Estimated Purchase Price</b>	<b>O&amp;M Rate</b>	<b>Estimated Number</b>	<b>Estimated Usage Cost</b>
<b>Total - All Tasks</b>				<b>\$0.00</b>

**Table 2.11 (d) 2**

**MAXIMUM REIMBURSEMENT RATES - CONSULTANT OWNED EQUIPMENT**

D-004439-1.1

Modock Road Springs

<b>Item</b>	<b>O&amp;M Rate</b>	<b>Estimated Usage</b>	<b>Estimated Usage Cost</b>
Photoionization Detector (Task 2)	\$45 /day	15 days	\$675.00
Low Value Equipment (Task 2)	\$0.80 /person/ field hour	85 hours	\$68.00
Low Value Equipment (Task 4)	\$0.80 /person/ field hour	350 hours	\$280.00
<b>Total</b>			<b>\$1,023.00</b>

**Table 2.11 (d) 3**

**MAXIMUM REIMBURSEMENT RATES - VENDER RENTED EQUIPMENT\***

D-004439-1.1

Modock Road Springs

<b>Item</b>	<b>Unit Price</b>	<b>Quantity</b>	<b>Total Budgeted Cost</b>
ppbRae (Task 4)	\$350.00 /week	5 week	\$1,750.00
	\$0.00 /week	0 week	\$0.00
	\$0.00 /lump sum	0 lump sum	\$0.00
<b>Total</b>			<b>\$1,750.00</b>

*\* Reimbursement will be paid at the actual receipted rental cost*

**Table 2.11 (d) 4**

**MAXIMUM REIMBURSEMENT RATES - SITE-DEDICATED EQUIPMENT**

D-004439-1.1

Modock Road Springs

Item	Unit Price	Quantity	Total Estimated Cost
Digital Micromanometer (Task 4)	\$490.00	1	\$490.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
<b>Total</b>			<b>\$490.00</b>

**Table 2.11 (d) 5**

**DETAILED BREAKDOWN OF CONSUMABLE SUPPLIES\***

D-004439-1.1  
Modock Road Springs

<b>Item</b>	<b>Unit Price</b>	<b>Quantity</b>	<b>Total Budgeted Cost</b>
<b>Task 1</b>			
Miscellaneous Supplies (Up to \$1,000 total)**	\$0.00 Lump Sum	0 Lump Sum	\$0.00
<b>Total - Task 1</b>			<b>\$0.00</b>
<b>Task 2</b>			
Miscellaneous Supplies (Up to \$1,000 total)**	\$200.00 Lump Sum	1 Lump Sum	\$200.00
Teflon Tubing	\$2.50 /ft.	100 ft	\$250.00
60 mL Syringe (box of 40)	\$55.00 /ea.	1 boxes	\$55.00
Bees Wax	\$10.00 /pound	7 pounds	\$70.00
PPE Level B	\$76.00 /man - day	0 /man - day	\$0.00
PPE Level C	\$36.00 /man - day	0 /man - day	\$0.00
PPE Level D	\$19.00 /man - day	6 /man - day	\$114.00
<b>Total - Task 2</b>			<b>\$689.00</b>
<b>Task 3</b>			
Miscellaneous Supplies (Up to \$1,000 total)**	\$200.00 Lump Sum	0 Lump Sum	\$0.00
<b>Total - Task 3</b>			<b>\$0.00</b>
<b>Task 4</b>			
Miscellaneous Supplies (Up to \$1,000 total)**	\$200.00 Lump Sum	1 Lump Sum	\$200.00
Teflon Tubing	\$2.50 /ft.	100 ft	\$250.00
Bees Wax	\$10.00 /pound	2 pounds	\$20.00
PPE Level D	\$19.00 /man - day	35 /man - day	\$665.00
<b>Total - Task 4</b>			<b>\$1,135.00</b>
<b>TOTAL</b>			<b>\$1,824.00</b>

Notes:

\* Each item costing over \$100 should be identified on a separate line.

*Note: Consumable supplies such as gas, diesel fuel, oil, film, stakes, ice, distilled water, rope shall be direct billed with appropriate receipts.*



Schedule 2.11 (e)

SUMMARY OF COST-PLUS-FIXED-FEE SUBCONTRACTORS  
D-004439-1.1  
Modock Road Springs

Item	Services To Be Performed	Subcontract Price			
		Task 2	Task 3	Task 4	Total
1.		\$0.00	\$0.00	\$0.00	\$0.00
2.		\$0.00	\$0.00	\$0.00	\$0.00
3.		\$0.00	\$0.00	\$0.00	\$0.00
<b>SUBTOTAL</b>		<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
<b>Management Fee</b>					
1.		\$0.00	\$0.00	\$0.00	\$0.00
2.		\$0.00	\$0.00	\$0.00	\$0.00
3.		\$0.00	\$0.00	\$0.00	\$0.00
<b>MANAGEMENT FEE SUBTOTAL</b>		<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
<b>TOTAL</b>		<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>

Schedule 2.11 (f)

SUMMARY OF UNIT PRICE SUBCONTRACTORS  
D-004439-1.1  
Modock Road Springs

Item	Services To Be Performed	Subcontract Price				Management Fee (5%)			
		Task 2	Task 3	Task 4	Total	Task 2	Task 3	Task 4	Total
1. Laboratory - Columbia Analytical	Analytical	\$17,784.00	\$0.00	\$43,290.00	\$61,074.00	\$889.00	\$0.00	\$2,165.00	\$3,054.00
2. Data Validation - Data Validation Services (WBE)	Air Analytical	\$2,000.00	\$0.00	\$4,890.00	\$6,890.00	\$100.00	\$0.00	\$245.00	\$345.00
3. Field Crew - Aztech Technologies (WBE)	Field Assistance	\$9,103.00	\$0.00	\$14,895.00	\$23,998.00	\$455.15	\$0.00	\$745.00	\$1,200.15
4. SSDS Installer - Aztech Technologies (WBE)	SSDS Installation	\$0.00	\$0.00	\$13,621.00	\$13,621.00	\$0.00	\$0.00	\$681.00	\$681.00
5. Surveyor - OM P Popli (MBE)	Survey	\$0.00	\$0.00	\$7,065.00	\$7,065.00	\$0.00	\$0.00	\$353.00	\$353.00
6. Vendor	Services	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7. Vendor	Services	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8. Vendor	Services	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>TOTAL</b>		<b>\$28,887.00</b>	<b>\$0.00</b>	<b>\$83,761.00</b>	<b>\$112,648.00</b>	<b>\$1,444.15</b>	<b>\$0.00</b>	<b>\$4,189.00</b>	<b>\$5,633.15</b>

**Table 2.11 (f-1)**

**DETAILED BREAKDOWN OF UNIT PRICE SUBCONTRACTORS**

D-004439-1.1

Modock Road Springs

**Laboratory - Columbia Analytical**

Task	Subtask	Parameter	Method	Matrix	No. of Tests	Unit Rate (\$) <sup>(1)</sup>	Total (\$)
Task 2		VOC	TO-15	Indoor, Ambient Air, & Soil Vapor	76	234.00	\$17,784.00 ✓
<b>SUTOTAL - Task 2</b>							<b>\$17,784.00</b>
<b>MANAGEMENT FEE (TASK 2)</b>							<b>\$889.00</b>
<b>SUBTOTAL - Task 2 (INCLUDING MANAGEMENT FEE)</b>							<b>\$18,673.00</b>
Task 4		VOC	TO-15	Indoor, Ambient Air, & Soil Vapor	185	234.00	\$43,290.00
<b>SUTOTAL - Task 4</b>							<b>\$43,290.00</b>
<b>MANAGEMENT FEE (TASK 4)</b>							<b>\$2,165.00</b>
<b>SUBTOTAL - Task 4 (INCLUDING MANAGEMENT FEE)</b>							<b>\$45,455.00</b>
<b>TOTAL FOR ALL TASKS (INCLUDING MANAGEMENT FEE)</b>							<b>\$64,128.00</b>

Note: These costs assume a standard turn around time.

**Table 2.11 (f-2)**

**DETAILED BREAKDOWN OF UNIT PRICE SUBCONTRACTORS**

D-004439-1.1

Modock Road Springs

**Data Validation - Data Validation Services (WBE)**

<b>Item</b>	<b>Unit Cost</b>	<b>No. of Items</b>	<b>Total Cost</b>
<b>Task 2</b>			
Data Validation - Air	\$25.00 /sample	56 samples	\$1,400.00
Data Validation - Soil Vapor	\$30.00 /sample	20 samples	\$600.00
<b>SUTOTAL - Task 2</b>			<b>\$2,000.00</b>
<b>MANAGEMENT FEE (TASK 2)</b>			<b>\$100.00</b>
<b>SUBTOTAL - Task 2 (INCLUDING MANAGEMENT FEE)</b>			<b>\$2,100.00</b>
<b>Task 4</b>			
Data Validation - Air	\$25.00 /sample	132 samples	\$3,300.00
Data Validation - Soil Vapor	\$30.00 /sample	53 samples	\$1,590.00
<b>SUTOTAL - Task 4</b>			<b>\$4,890.00</b>
<b>MANAGEMENT FEE (TASK 4)</b>			<b>\$245.00</b>
<b>SUBTOTAL - Task 4 (INCLUDING MANAGEMENT FEE)</b>			<b>\$5,135.00</b>
<b>TOTAL FOR ALL TASKS (INCLUDING MANAGEMENT FEE)</b>			<b>\$7,235.00</b>

**Table 2.11 (f-3)**

**DETAILED BREAKDOWN OF UNIT PRICE SUBCONTRACTORS**

D-004439

Modock Road Springs

**Field Crew - Aztech Technologies (WBE)**

<b>Item</b>	<b>Unit Cost</b>	<b>No. of Items</b>	<b>Total Cost</b>
<b>Task 2</b>			
Field Assistance	\$827.50 day	11 days	\$9,103.00 ✓
<b>SUTOTAL - Task 2</b>			<b>\$9,103.00</b>
<b>MANAGEMENT FEE (TASK 2)</b>			<b>\$455.15</b>
<b>SUBTOTAL - Task 2 (INCLUDING MANAGEMENT FEE)</b>			<b>\$9,558.15</b>
<b>Task 4</b>			
Field Assistance	\$827.50 day	18 days	\$14,895.00 ✓
<b>SUTOTAL - Task 4</b>			<b>\$14,895.00</b>
<b>MANAGEMENT FEE (TASK 4)</b>			<b>\$745.00</b>
<b>SUBTOTAL - Task 4 (INCLUDING MANAGEMENT FEE)</b>			<b>\$15,640.00</b>
<b>TOTAL FOR ALL TASKS (INCLUDING MANAGEMENT FEE)</b>			<b>\$25,198.15</b>

**Table 2.11 (f-4)**

**DETAILED BREAKDOWN OF UNIT PRICE SUBCONTRACTORS**

D-004439

Modock Road Springs

**SSDS Installer - Aztech Technologies (WBE)**

<b>Item</b>	<b>Unit Cost</b>	<b>No. of Items</b>	<b>Total Cost</b>
<b>Task 4</b>			
SSDS Installation	\$4,540.32 Lump Sum	3 Lump Sum	\$13,621.00
<b>SUTOTAL - Task 4</b>			<b>\$13,621.00</b>
<b>MANAGEMENT FEE (TASK 4)</b>			<b>\$681.00</b>
<b>SUBTOTAL - Task 4 (INCLUDING MANAGEMENT FEE)</b>			<b>\$14,302.00</b>
<b>TOTAL FOR ALL TASKS (INCLUDING MANAGEMENT FEE)</b>			<b>\$14,302.00</b>

**Table 2.11 (f-5)**

**DETAILED BREAKDOWN OF UNIT PRICE SUBCONTRACTORS**

D-004439

Modock Road Springs

**Surveyor - OM P Popli (MBE)**

<b>Item</b>	<b>Unit Cost</b>	<b>No. of Items</b>	<b>Total Cost</b>
<b>Task 4</b>			
Direct Salary Costs	\$2,310.50 Estimated	1 Estimated	\$2,310.50
Indirect Costs	\$2,980.55 Estimated	1 Estimated	\$2,980.55
Direct Non-salary Costs	\$980.00 Estimated	1 Estimated	\$980.00
Fixed Fee	\$793.66 Estimated	1 Estimated	\$793.66
<b>SUTOTAL - Task 4</b>			<b>\$7,065.00</b>
<b>MANAGEMENT FEE (TASK 4)</b>			<b>\$353.00</b>
<b>SUBTOTAL - Task 4 (INCLUDING MANAGEMENT FEE)</b>			<b>\$7,418.00</b>
<b>TOTAL FOR ALL TASKS (INCLUDING MANAGEMENT FEE)</b>			<b>\$7,418.00</b>

Note: See proposal for cost details.

ENGINEER: MALCOLM PIRNIE, INC  
 NYSDEC CONTRACT/WA #: D-004439-1.1  
 PROJECT NAME: Modock Road Springs  
 MPI PROJECT #: 266353  
 NYSDEC TASK #/NAME: SUMMARY

**SCHEDULE 2.11 (g)**

DATE PREPARED: 01-Aug-07

**MONTHLY COST CONTROL REPORT  
 SUMMARY OF FISCAL INFORMATION**

BILLING PERIOD: 00/00/00 - 00/00/00  
 MPI STATEMENT #: n  
 DEC VOUCHER #: n

% of BUDGET COMPLETE: 0%

EXPENDITURE CATEGORY	A COSTS CLAIMED THIS PERIOD (CAP #n-month)	B PAID TO DATE (thru CAP #n-month)	C TOTAL COSTS INCURRED TO DATE (A + B)	D ESTIMATED COSTS TO COMPLETION (F-C)	E ESTIMATED TOTAL CONTRACT PRICE (A+B+D)	F APPROVED BUDGET (Date)	G ESTIMATED UNDER/OVER (F-E)
1. DIRECT SALARY COST						\$28,416	
1a. INDIRECT COST - 1.753 %						\$49,814	
2. SUBTOTAL: Billable Labor Cost (1+1a)						\$78,230	
2a. OVER-TIME SALARY						\$0	
3. SUBTOTAL: Direct Salary, Indirect Cost and Over-time Cost (2+2a)						\$78,230	
4. TRAVEL & SUBSISTENCE						\$6,817	
5. OTHER NON-SALARY COST						\$6,137	
6. SUBTOTAL: Direct Non-Salary Cost (4+5)						\$12,954	
7. SUBCONTRACTORS Management Fee included above						\$118,281 \$5,633	
8. TOTAL CONTRACT COST (3+6+7)						\$209,465	
9. FIXED FEE - 10.0 %						\$7,823	
10. TOTAL CONTRACT PRICE (8+9)						\$217,288	
11. RETAINAGE - 0 %						\$0	
12. CAP FORM SUBMISSION						\$217,288	

PROJECT MANAGER ENGINEER \_\_\_\_\_

DATE \_\_\_\_\_



ENGINEER: MALCOLM PIRNIE, INC  
 NYSDEC CONTRACT/WA #: D-004439-1.1  
 PROJECT NAME: Modock Road Springs  
 MPI PROJECT #: 266353  
 NYSDEC TASK #/NAME: 1 - Work Plan Preparation

**SCHEDULE 2.11 (g)**

DATE PREPARED: 01-Aug-07

**MONTHLY COST CONTROL REPORT  
 SUMMARY OF FISCAL INFORMATION**

BILLING PERIOD: 00/00/00 - 00/00/00  
 MPI STATEMENT #: n  
 DEC VOUCHER #: n

% of BUDGET COMPLETE: 0%

EXPENDITURE CATEGORY	A COSTS CLAIMED THIS PERIOD (CAP #n-month)	B PAID TO DATE (thru CAP #n-month)	C TOTAL COSTS INCURRED TO DATE (A + B)	D ESTIMATED COSTS TO COMPLETION (F-C)	E ESTIMATED TOTAL CONTRACT PRICE (A+B+D)	F APPROVED BUDGET (Date)	G ESTIMATED UNDER/OVER (F-E)
1. DIRECT SALARY COST						\$1,458	
1a. INDIRECT COST - 1.753 %						\$2,556	
2. SUBTOTAL: Billable Labor Cost (1+1a)						\$4,014	
2a. OVER-TIME SALARY						\$0	
3. SUBTOTAL: Direct Salary, Indirect Cost and Over-time Cost (2+2a)						\$4,014	
4. TRAVEL & SUBSISTENCE						\$0	
5. OTHER NON-SALARY COST						\$0	
6. SUBTOTAL: Direct Non-Salary Cost (4+5)						\$0	
7. SUBCONTRACTORS Management Fee included above						\$0 \$0	
8. TOTAL CONTRACT COST (3+6+7)						\$4,014	
9. FIXED FEE - 10.0 %						\$401	
10. TOTAL CONTRACT PRICE (8+9)						\$4,416	

PROJECT MANAGER ENGINEER \_\_\_\_\_

DATE \_\_\_\_\_

ENGINEER: MALCOLM PIRNIE, INC  
 NYSDEC CONTRACT/WA #: D-004439-1.1  
 PROJECT NAME: Modock Road Springs  
 MPI PROJECT #: 266353  
 NYSDEC TASK #/NAME: 2 - Indoor Air Sampling

**SCHEDULE 2.11 (g)**

DATE PREPARED: 01-Aug-07

**MONTHLY COST CONTROL REPORT  
 SUMMARY OF FISCAL INFORMATION**

BILLING PERIOD: 00/00/00 - 00/00/00  
 MPI STATEMENT #: n  
 DEC VOUCHER #: n

% of BUDGET COMPLETE: 0%

EXPENDITURE CATEGORY	A COSTS CLAIMED THIS PERIOD (CAP #n-month)	B PAID TO DATE (thru CAP #n-month)	C TOTAL COSTS INCURRED TO DATE (A + B)	D ESTIMATED COSTS TO COMPLETION (F-C)	E ESTIMATED TOTAL CONTRACT PRICE (A+B+D)	F APPROVED BUDGET (Date)	G ESTIMATED UNDER/OVER (F-E)
1. DIRECT SALARY COST						\$2,693	
1a. INDIRECT COST - 1.753 %						\$4,721	
2. SUBTOTAL: Billable Labor Cost (1+1a)						\$7,414	
2a. OVER-TIME SALARY						\$0	
3. SUBTOTAL: Direct Salary, Indirect Cost and Over-time Cost (2+2a)						\$7,414	
4. TRAVEL & SUBSISTENCE						\$1,053	
5. OTHER NON-SALARY COST						\$1,682	
6. SUBTOTAL: Direct Non-Salary Cost (4+5)						\$2,735	
7. SUBCONTRACTORS Management Fee included above						\$30,331 \$1,444	
8. TOTAL CONTRACT COST (3+6+7)						\$40,480	
9. FIXED FEE - 10.0 %						\$741	
10. TOTAL CONTRACT PRICE (8+9)						\$41,221	

PROJECT MANAGER ENGINEER \_\_\_\_\_

DATE \_\_\_\_\_

ENGINEER: MALCOLM PIRNIE, INC  
 NYSDEC CONTRACT/WA #: D-004439-1.1  
 PROJECT NAME: Modock Road Springs  
 MPI PROJECT #: 266353  
 NYSDEC TASK #/NAME: 3 - Reporting

**SCHEDULE 2.11 (g)**

DATE PREPARED: 01-Aug-07

**MONTHLY COST CONTROL REPORT  
 SUMMARY OF FISCAL INFORMATION**

BILLING PERIOD: 00/00/00 - 00/00/00  
 MPI STATEMENT #: n  
 DEC VOUCHER #: n

% of BUDGET COMPLETE: 0%

EXPENDITURE CATEGORY	A COSTS CLAIMED THIS PERIOD (CAP #n-month)	B PAID TO DATE (thru CAP #n-month)	C TOTAL COSTS INCURRED TO DATE (A + B)	D ESTIMATED COSTS TO COMPLETION (F-C)	E ESTIMATED TOTAL CONTRACT PRICE (A+B+D)	F APPROVED BUDGET (Date)	G ESTIMATED UNDER/OVER (F-E)
1. DIRECT SALARY COST						\$1,435	
1a. INDIRECT COST - 1.753 %						\$2,515	
2. SUBTOTAL: Billable Labor Cost (1+1a)						\$3,950	
2a. OVER-TIME SALARY						\$0	
3. SUBTOTAL: Direct Salary, Indirect Cost and Over-time Cost (2+2a)						\$3,950	
4. TRAVEL & SUBSISTENCE						\$0	
5. OTHER NON-SALARY COST						\$0	
6. SUBTOTAL: Direct Non-Salary Cost (4+5)						\$0	
7. SUBCONTRACTORS Management Fee included above						\$0 \$0	
8. TOTAL CONTRACT COST (3+6+7)						\$3,950	
9. FIXED FEE - 10.0 %						\$395	
10. TOTAL CONTRACT PRICE (8+9)						\$4,345	

PROJECT MANAGER ENGINEER \_\_\_\_\_

DATE \_\_\_\_\_

ENGINEER: MALCOLM PIRNIE, INC  
 NYSDEC CONTRACT/WA #: D-004439-1.1  
 PROJECT NAME: Modock Road Springs  
 MPI PROJECT #: 266353  
 NYSDEC TASK #/NAME: 4 - Additional IIWA

**SCHEDULE 2.11(g)**

DATE PREPARED: 01-Aug-07

**MONTHLY COST CONTROL REPORT  
 SUMMARY OF FISCAL INFORMATION**

BILLING PERIOD: 00/00/00 - 00/00/00  
 MPI STATEMENT #: n  
 DEC VOUCHER #: n

% of BUDGET COMPLETE: 0%

EXPENDITURE CATEGORY	A COSTS CLAIMED THIS PERIOD (CAP #n-month)	B PAID TO DATE (thru CAP #n-month)	C TOTAL COSTS INCURRED TO DATE (A + B)	D ESTIMATED COSTS TO COMPLETION (F-C)	E ESTIMATED TOTAL CONTRACT PRICE (A+B+D)	F APPROVED BUDGET (Date)	G ESTIMATED UNDER/OVER (F-E)
1. DIRECT SALARY COST						\$22,830	
1a. INDIRECT COST - 1.753 %						\$40,022	
2. SUBTOTAL: Billable Labor Cost (1+1a)						\$62,852	
2a. OVER-TIME SALARY						\$0	
3. SUBTOTAL: Direct Salary, Indirect Cost and Over-time Cost (2+2a)						\$62,852	
4. TRAVEL & SUBSISTENCE						\$5,764	
5. OTHER NON-SALARY COST						\$4,455	
6. SUBTOTAL: Direct Non-Salary Cost (4+5)						\$10,219	
7. SUBCONTRACTORS Management Fee included above						\$87,950 \$4,189	
8. TOTAL CONTRACT COST (3+6+7)						\$161,021	
9. FIXED FEE - 10.0 %						\$6,285	
10. TOTAL CONTRACT PRICE (8+9)						\$167,306	

PROJECT MANAGER ENGINEER \_\_\_\_\_

DATE \_\_\_\_\_

ENGINEER: MALCOLM PIRNIE, INC  
 NYSDEC CONTRACT #: D-004439  
 NYSDEC WA #: WA-1.1  
 MPI PROJECT #: 266353  
 PROJECT NAME: Modock Road Springs

**SCHEDULE 2.11 (g) - Supplemental**

DATE PREPARED: 01-Aug-07

**SUBCONTRACTOR COST CONTROL REPORT  
 SUMMARY OF FISCAL INFORMATION  
 Unit Price Subcontractors**

BILLING PERIOD: mm/dd/yy - mm/dd/yy  
 MPI STATEMENT #: n  
 DEC VOUCHER #: n

SUBCONTRACT NAME	A	B	C	D	E	F	G	H	I
	SUBCONTRACTOR COSTS				MANAGEMENT FEE				TOTAL COSTS TO DATE (C + F + H)
	CURRENT COSTS, INCLUDES RESUBMITTALS	PAID TO DATE	TOTAL COSTS TO DATE (A + B)	APPROVED BUDGET	MNGT. FEE BUDGET	FEE THIS PERIOD	PENDING FEES	FEE PAID TO DATE	
1. Laboratory - Columbia Analytical Analytical				\$61,074.00	\$3,054.00				
2. Data Validation - Data Validation Services (WBE) Air Analytical				\$6,890.00	\$345.00				
3. Field Crew - Aztech Technologies (WBE) Field Assistance				\$23,998.00	\$1,200.15				
4. SSSD Installer - Aztech Technologies (WBE) SSSD Installation				\$13,621.00	\$681.00				
5. Surveyor - OM P Popli (MBE) Survey				\$7,065.00	\$353.00				
6. Vendor Services				\$0.00	\$0.00				
<b>TOTAL</b>				\$112,648.00	\$5,633.15				

PROJECT MANAGER ENGINEER \_\_\_\_\_ 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) 'TOTAL' line, Column I should equal Line 7 (subcontracts), Column C of Summary of Fiscal Information Cost Control Report.

ENGINEER: MALCOLM PIRNIE, INC  
 NYSDEC CONTRACT #: D-004439  
 NYSDEC WA #: WA-1.1  
 MPI PROJECT #: 266353  
 PROJECT NAME: Modock Road Springs

**SCHEDULE 2.11 (g) - Supplemental**

DATE PREPARED: 01-Aug-07

**SUBCONTRACTOR COST CONTROL REPORT  
 SUMMARY OF FISCAL INFORMATION  
 CPFF and Unit Price Subcontractors**

BILLING PERIOD: mm/dd/yy - mm/dd/yy  
 MPI STATEMENT #: n  
 DEC VOUCHER #: n

SUBCONTRACT NAME	A	B	C	D	E	F	G	H	I
	SUBCONTRACTOR COSTS				MANAGEMENT FEE				TOTAL COSTS TO DATE (C + F + H)
	CURRENT COSTS, INCLUDES RESUBMITTALS	PAID TO DATE	TOTAL COSTS TO DATE (A + B)	APPROVED BUDGET	MNGT. FEE BUDGET	FEE THIS PERIOD	PENDING FEES	FEE PAID TO DATE	
<b>Cost-Plus-Fixed-Fee: Subcontractors</b>									
1. 0				\$0.00	\$0.00				
0									
<b>Subtotal - CPFF Subs:</b>				<b>\$0.00</b>	<b>\$0.00</b>				
<b>Unit Price Subcontractors</b>									
1. Laboratory - Columbia Analytical Analytical				\$61,074.00	\$3,054.00				
2. Data Validation - Data Validation Services (WBE) Air Analytical				\$6,890.00	\$345.00				
3. Field Crew - Aztech Technologies (WBE) Field Assistance				\$23,998.00	\$1,200.15				
4. SSDS Installer - Aztech Technologies (WBE) SSDS Installation				\$13,621.00	\$681.00				
5. Surveyor - OM P Popli (MBE) Survey				\$7,065.00	\$353.00				
6. Vendor Services				\$0.00	\$0.00				
7. Vendor Services				\$0.00	\$0.00				
8. Vendor Services				\$0.00	\$0.00				
9. Vendor Services				\$0.00	\$0.00				
10. Vendor Services				\$0.00	\$0.00				
11. Vendor Services				\$0.00	\$0.00				
<b>Subtotal - Unit Price Subs:</b>				<b>\$112,648.00</b>	<b>\$5,633.15</b>				
<b>TOTAL</b>				<b>\$112,648.00</b>	<b>\$5,633.15</b>				

PROJECT MANAGER ENGINEER \_\_\_\_\_

DATE \_\_\_\_\_

- (1) Costs listed in Columns A, B, C & D do not include any management fee costs.
- (2) 'TOTAL' line, Column I should equal Line 7 (subcontracts), Column C of Summary of Fiscal Information Cost Control Report.

**SCHEDULE 2.11 (h)**  
**Modock Road Springs (#D-004439-1.1)**  
**MONTHLY COST CONTROL REPORT - SUMMARY OF LABOR HOURS**  
**Expended to Date/Estimated to Completion**  
**[WORKSHEET - To be submitted, but separately]**

Page 1 of 1

Billing Period:

NSPE Labor Classification		9	8	7	6	5	4	3	2	1	Tech	Total No. Direct Labor Hours		
Task #	Task Name	Exp/Est	Exp/Est	Exp/Est	Exp/Est	Exp/Est	Exp/Est	Exp/Est	Exp/Est	Exp/Est	Exp/Est	Exp/Est		
Task 1	Work Plan Preparation	Exp	0	0	0	0	0	0	0	0	0	0		
		Est	0	6	0	8	0	0	27	0	0	0	41	
		2006	0	5	0	6	0	0	23	0	0	0	34	
		2007	0	1	0	2	0	0	4	0	0	0	7	
		2008	0	0	0	0	0	0	0	0	0	0	0	
Task 2	Indoor Air Sampling	Exp	0	0	0	0	0	0	0	0	0	0		
		Est	0	2	0	4	0	0	85	0	0	0	91	
		2006	0	0	0	0	0	0	0	0	0	0	0	
		2007	0	2	0	4	0	0	85	0	0	0	91	
		2008	0	0	0	0	0	0	0	0	0	0	0	
Task 3	Reporting	Exp	0	0	0	0	0	0	0	0	0	0		
		Est	0	3	0	10	0	0	26	0	0	6	45	
		2006	0	0	0	0	0	0	0	0	0	0	0	
		2007	0	3	0	10	0	0	26	0	0	6	45	
		2008	0	0	0	0	0	0	0	0	0	0	0	
Task 4	Additional IIWA	Exp	0	0	0	0	0	0	0	0	0	0		
		Est	0	20	90	6	0	0	250	350	30	0	746	
		2006	0	0	0	0	0	0	0	0	0	0	0	
		2007	0	20	90	6	0	0	250	350	30	0	746	
		2008	0	0	0	0	0	0	0	0	0	0	0	
	Subtotal	2006	hours	0	5	0	6	0	0	23	0	0	0	34
	Subtotal	2007	hours	0	26	90	22	0	0	365	350	30	6	889
	Subtotal	2008	hours	0	0	0	0	0	0	0	0	0	0	0
	Subtotal	Exp	hours	0	0	0	0	0	0	0	0	0	0	0
<b>Total Hours Exp</b>				0	0	0	0	0	0	0	0	0		
<b>Total Hours Est</b>				0	31	90	28	0	0	388	350	30	6	923

## Subcontractor Bid Summary – Modock Road Springs Site

### Task 2 Subcontractors:

<u>Item:</u>	<u>Quote:</u>
Analytical Laboratory (See note 1) Columbia – Indoor and Ambient Air	\$ 17,784.00
Note 1: These costs are for sampling in 19 residences over a three week period (40 indoor air and 16 ambient air and 20 sub-slab soil vapor samples).	
Data Validation Data Validation Services (WBE)	\$ 2,000.00
Field Technical Services (See note 2) Aztech Technologies, Inc. (WBE)	\$ 9,103.00
Note 2: This cost assumes 11 ten-hour working days plus associated per diem and vehicle costs (in accordance with attached estimate #493A).	

### Task 4 Subcontractors:

<u>Item:</u>	<u>Quote:</u>
Analytical Laboratory (See note 3) Columbia – Indoor and Ambient Air	\$ 43,290.00
Note 3: These costs are for sampling in 45 residences (105 indoor air and 27 ambient air and 53 sub-slab soil vapor samples). These costs assume standard turn around time.	
Data Validation Data Validation Services (WBE)	\$ 4,890.00
Field Technical Services (See note 4) Aztech Technologies, Inc. (WBE)	\$ 14,895.00
Note 4: This cost assumes 18 ten-hour working days plus associated per diem and vehicle costs (in accordance with attached estimate #493A).	
Mitigation System Installation (See note 5) Aztech Technologies, Inc. (WBE)	\$ 13,621.00
Note 5: Assumes installation of sub-slab depressurization system in three homes.	
Survey of 14 NYSDEC wells and 11 SS&G Wells OM P. Popli (MBE)	\$ 7,065.00
Note 6: This cost assumes direct and indirect costs as summarized in the attached estimate dated April 13, 2007.	



# POPLi

CONSULTING ENGINEERS  
& SURVEYORS

555 PENBROOKE DRIVE  
PENFIELD, NY 14526-2035  
TEL: (585) 388-2060 FAX: (585) 388-2070

April 13, 2007

Malcolm Pimie, Inc.  
43 British American Blvd.  
Latham, NY 12110

Attn: Mr. Mark A. Flusche

**Re: Modock Road Springs Site,  
Town of Victor, Ontario County  
Work Assignment Number D-004439-9**

Dear Mark,

Popli Consulting Engineers and Land Surveyors is pleased to provide a lump sum quote of \$ **7,064.70**. for professional services at the subject site.

Our understanding of the work is as follows:

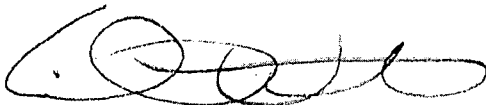
- Set survey 3 control points with elevations as needed for this work and work in the future.
- Locate approx. 14 NYSDEC wells and 11 SS&G wells in the sand and gravel mine in the area.
- Reduce survey notes and measurements & prepare tabulated data on well locations and elevations referred to UTM and NYSP Coordinates on the NAD 83/96 datum with NAVD 88 elevations
- Submit files.

Our assumptions for this work are as follows:

- 1) NYS DOL wage rates do not apply
- 2) Access to the site will not be impeded.
- 3) There are approximately 25 wells to be surveyed.

If you have any questions, please contact me at (585) 388-2060 or [mventuro@popligroup.com](mailto:mventuro@popligroup.com)

Very truly yours,



Michael A. Venturo, LS

cc File



## Interoffice Correspondence

---

Date: April 27, 2007  
To: Modock Road Springs 0266353 (FILE)  
From: Bruce Nelson, ALB  
Re: OM P Popli -- Survey  
Work Assignment No.: D004439-1.1

Malcolm Pirnie has reviewed the cost for survey at the above-referenced site provided by Om P Popli and we believe that it is reasonable based on cost proposals we have received for similar services during the last 6 months.

brn

**Flusche, Mark A.**

---

**From:** Judy Harry [harry@frontiernet.net]  
**Sent:** Thursday, November 30, 2006 3:29 PM  
**To:** Flusche, Mark A.  
**Subject:** Re: Quote Request

Hi Mark,

The cost for doing a DUSR on a full list of TO-15 targets is \$25 for indoor air (or any rather clean samples) and \$30 for soil vapor. The soil vapor are higher because the labs seem to have to consistently run multiple dilutions to bring all analytes into target range. The soil vapors tend to have alot of hydrocarbons that produce numerous target detections and create matrix effects--they can take alot of review. Billable units are field samples, field duplicates, matrix spikes (if done), and trip blanks.

Judy

Date: April 27, 2007  
To: Modock Road Springs 0266353 (FILE)  
From: Bruce Nelson, ALB  
Re: Data Validation Services  
Work Assignment No.: D004439-1.1

Malcolm Pirnie has reviewed the cost for data validation provided by Data Validation Services, and we believe that it is reasonable based on cost proposals we have received for similar services during the last 6 months.

brn



EXPERTISE YOU CAN COUNT ON

**Aztech**  
Technologies, Inc.

5 McCrea Hill Road  
Ballston Spa  
New York 12020

Phone: (518) 885-5383  
Fax: (518) 885-5385  
www.aztechtch.com

# Estimate

DATE	ESTIMATE #
1/15/2007	493A

**A WOMEN OWNED BUSINESS: NYS WBE # 49360**

NAME / ADDRESS

Malcolm Pirnie, Inc.  
43 British American Boulevard  
Latham, NY 12110

PROJECT

Victor

DESCRIPTION	QTY	COST	TOTAL
Field support for Victor, NY site			
SENIOR TECHNICIAN - Daily rate	1	550.00	550.00
Light Duty Vehicles (less than 1 ton) Daily Rate	1	117.50	117.50
Heavy Duty Vehicles (1 ton or more) Daily Rate - Option for towing or transporting additional gear	0	143.30	0.00
Per diem	1	160.00	160.00
SENIOR TECHNICIAN - Time beyond 10 hr per day	0	72.50	0.00

The above pricing is valid for 45 days.

**TOTAL** \$827.50





EXPERTISE YOU CAN COUNT ON

**Aztech**  
Technologies, Inc.

5 McCrea Hill Road  
Ballston Spa  
New York, 12020

Phone: (518) 885-5383  
Fax: (518) 885-5385  
www.aztechtech.com

# Estimate

DATE	ESTIMATE #
4/18/2007	763F

**A WOMAN-OWNED BUSINESS: NYS WBE #49360**

NAME / ADDRESS
Malcolm Pirnie, Inc. P.O. Box 1240 White Plains, NY 10602-1240 Attn: Bruce Nelson

DESCRIPTION	QTY	PROJECT	
		COST	TOTAL
Single point system with Fantec HP series 220 1/5 hp (max) fan and 4" schedule 40 PVC piping, warning light, and O&M Manual	1	3,164.00	3,164.00T
Per diem - Crew	1	200.00	200.00T
Mobilization and demobilization	1	840.00	840.00T
Monroe County Sales Tax		8.00%	336.32

Pricing is valid for 45 days from date of estimate.	<b>TOTAL</b>	\$4,540.32
---	--------------	------------

SIGNATURE \_\_\_\_\_





## Interoffice Correspondence

---

Date: April 27, 2007  
To: Modock Road Springs 0266353 (FILE)  
From: Bruce Nelson, ALB  
Re: Aztech Technologies, Inc. - Field Assistance - Soil vapor sampling  
Work Assignment No.: D004439-1.1

Malcolm Pirnie has reviewed the cost for field assistance for soil vapor sampling at the above-referenced site provided by Aztech Technologies, Inc. and we believe that it is reasonable based on cost proposals we have received for similar services during the last 6 months.

brn

## Interoffice Correspondence

---

Date: April 27, 2007  
To: Modock Road Springs 0266353 (FILE)  
From: Bruce Nelson, ALB  
Re: Aztech Technologies, Inc. - SSDS Installation  
Work Assignment No.: D004439-1.1

Malcolm Pirnie has reviewed the cost for installation of sub-slab depressurization systems at the above-referenced site provided by Aztech Technologies, Inc. and we believe that it is reasonable based on cost proposals we have received for similar services during the last 6 months.

brn

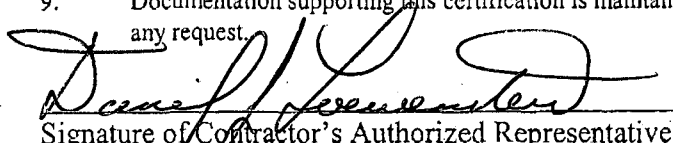


**New York State  
Department of Environmental Conservation  
Division of Environmental Remediation**

**Subcontract Certification**

On behalf of the Contractor named below, I hereby certify that the subcontract named below was procured in accordance with the terms of the prime contract and all applicable requirements of the State of New York. I also hereby certify that the executed subcontract includes all appropriate language and all required documents were completed appropriately and were acceptable. Specifically, I hereby certify the following:

1. The Contractor has determined that the subcontractor is qualified. A statement of qualifications for the subcontractor is maintained. It does include a statement of compliance with all licenses, certifications and permits, if applicable. (Note: This can be determined at: <http://www.wadsworth.org/labservices.htm>).
2. The Contractor has determined the costs are reasonable. A procurement record supporting the determination is maintained.
3. The Contractor performed a Conflict of Interest (COI) check, if applicable, and documented it in writing. (Refer to Appendix B, clause III (c) for applicability. (Note that for standby subcontractors, the COI certification must be submitted to the project manager upon activation.)
4. For subcontracts in excess (or anticipated to be) of \$10,000 the subcontractor submitted an acceptable New York State Uniform Contracting Questionnaire. For subconsultants in excess (or anticipated to be) of \$10,000 the subconsultant submitted an acceptable New York State Vendor Responsibility Questionnaire. (Information related to vendor responsibility can be found at <http://www.osc.state.ny.us/agencies/gbull/g221.htm>).
5. The subcontract includes pass down requirements from Appendix B of the prime contract related to Minority and Women Business Enterprises/WBE and Conflict of Interest (COI).
6. The Subcontract includes the termination clause required in the prime contract.
7. The subcontract does not include "pay when paid" type clauses which are unenforceable in New York State.
8. Insurance carriers associated with the subcontract are licensed to do business in New York State. The State of New York and the Department of Environmental Conservation are named as additional insurers on the policies. Insurance limits meet prime contract requirements. (Note that licensed insurance can be determined at: <http://www.ins.state.ny.us> and Best's Rating can be determined at <http://www.ambest.com>). Pollution liability insurance (for example, drilling subcontractors) and professional liability insurance (for example, subcontracts for professional services and laboratories) is included as appropriate.)
9. Documentation supporting this certification is maintained and will be provided within 10 days of any request.

  
Signature of Contractor's Authorized Representative  
Malcolm Pirnie, Inc.

9/2/07  
Date  
D004439-1.1

Contractor Name  
Columbia Analytical Services

Contract No. WA No.

Subcontractor Name

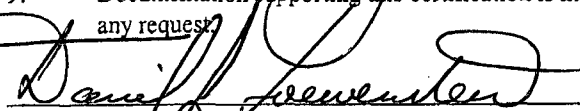
2/7/07

**New York State  
Department of Environmental Conservation  
Division of Environmental Remediation**

**Subcontract Certification**

On behalf of the Contractor named below, I hereby certify that the subcontract named below was procured in accordance with the terms of the prime contract and all applicable requirements of the State of New York. I also hereby certify that the executed subcontract includes all appropriate language and all required documents were completed appropriately and were acceptable. Specifically, I hereby certify the following:

1. The Contractor has determined that the subcontractor is qualified. A statement of qualifications for the subcontractor is maintained. It does include a statement of compliance with all licenses, certifications and permits, if applicable. (Note: This can be determined at: <http://www.wadsworth.org/labservices.htm>).
2. The Contractor has determined the costs are reasonable. A procurement record supporting the determination is maintained.
3. The Contractor performed a Conflict of Interest (COI) check, if applicable, and documented it in writing. (Refer to Appendix B, clause III (c) for applicability. (Note that for standby subcontractors, the COI certification must be submitted to the project manager upon activation.)
4. For subcontracts in excess (or anticipated to be) of \$10,000 the subcontractor submitted an acceptable New York State Uniform Contracting Questionnaire. For subconsultants in excess (or anticipated to be) of \$10,000 the subconsultant submitted an acceptable New York State Vendor Responsibility Questionnaire. (Information related to vendor responsibility can be found at <http://www.osc.state.ny.us/agencies/gbull/g221.htm>.)
5. The subcontract includes pass down requirements from Appendix B of the prime contract related to Minority and Women Business Enterprises/WBE and Conflict of Interest (COI).
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9. Documentation supporting this certification is maintained and will be provided within 10 days of any request.

  
Signature of Contractor's Authorized Representative  
Malcolm Pirnie, Inc.

8/2/07  
Date  
D004439-1.1

Contractor Name  
Aztech Technologies, Inc.

Contract No. WA No.

Subcontractor Name

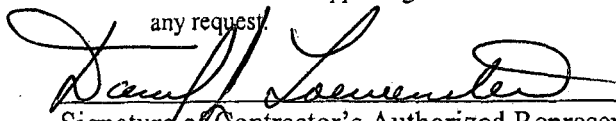
2/7/07

**New York State  
Department of Environmental Conservation  
Division of Environmental Remediation**

**Subcontract Certification**

On behalf of the Contractor named below, I hereby certify that the subcontract named below was procured in accordance with the terms of the prime contract and all applicable requirements of the State of New York. I also hereby certify that the executed subcontract includes all appropriate language and all required documents were completed appropriately and were acceptable. Specifically, I hereby certify the following:

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9. Documentation supporting this certification is maintained and will be provided within 10 days of any request.

  
\_\_\_\_\_  
Signature of Contractor's Authorized Representative  
Malcolm Pirnie, Inc.

8/2/07  
\_\_\_\_\_  
Date  
D004439-1.1

\_\_\_\_\_  
Contractor Name  
Data Validation Services

\_\_\_\_\_  
Contract No. WA No.

\_\_\_\_\_  
Subcontractor Name

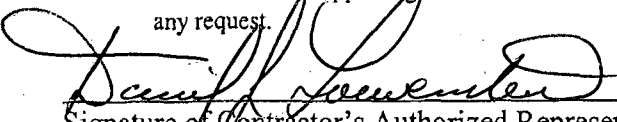
2/7/07

**New York State  
Department of Environmental Conservation  
Division of Environmental Remediation**

**Subcontract Certification**

On behalf of the Contractor named below, I hereby certify that the subcontract named below was procured in accordance with the terms of the prime contract and all applicable requirements of the State of New York. I also hereby certify that the executed subcontract includes all appropriate language and all required documents were completed appropriately and were acceptable. Specifically, I hereby certify the following:

1. The Contractor has determined that the subcontractor is qualified. A statement of qualifications for the subcontractor is maintained. It does include a statement of compliance with all licenses, certifications and permits, if applicable. (Note: This can be determined at: <http://www.wadsworth.org/labservices.htm>).
2. The Contractor has determined the costs are reasonable. A procurement record supporting the determination is maintained.
3. The Contractor performed a Conflict of Interest (COI) check, if applicable, and documented it in writing. (Refer to Appendix B, clause III (c) for applicability. (Note that for standby subcontractors, the COI certification must be submitted to the project manager upon activation.)
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6. The Subcontract includes the termination clause required in the prime contract.
7. The subcontract does not include "pay when paid" type clauses which are unenforceable in New York State.
8. Insurance carriers associated with the subcontract are licensed to do business in New York State. The State of New York and the Department of Environmental Conservation are named as additional insurers on the policies. Insurance limits meet prime contract requirements. (Note that licensed insurance can be determined at: <http://www.ins.state.ny.us> and Best's Rating can be determined at <http://www.ambest.com>). Pollution liability insurance (for example, drilling subcontractors) and professional liability insurance (for example, subcontracts for professional services and laboratories) is included as appropriate.)
9. Documentation supporting this certification is maintained and will be provided within 10 days of any request.

  
Signature of Contractor's Authorized Representative  
Malcolm Pirnie, Inc.

8/2/07  
Date  
D004439-1.1

Contractor Name  
Om P. Popli, P.E., L.S., P.C.

Contract No. WA No.

Subcontractor Name

2/7/07

**MODOCK ROAD SPRINGS IIWA**  
**Cost Review for Work Plan or Amendment**

WA #: D-004439-11 Date: 8-1-07

GENERAL COST REVIEW CHECKLIST		Yes	No	Comments
	A complete set of 2.11 Schedules (a) through (h) is attached.	✓		
	For multi-site work assignments, schedule 2.11's are broken down by site.			NA
1.	<b>Schedule 2.11(a)</b>			
	Rates for indirect and fixed fee match contract rates.	✓		
	All numbers rolled up into Schedule 2.11(a) add up.	✓		
2.	<b>Schedule 2.11(b) - Direct Labor</b>			
	Average reimbursement rates are used for each year. For future years, an escalation factor of 3% has been used.	✓		
	Hours are segregated by year.	✓		
	Total cost for each NSPE level is shown.	✓		
	Total direct labor costs match amounts on Schedule 2.11(a).	✓		
	Total labor hours match hours on Schedule 2.11(h).	✓		
	The Principal's (NSPE level 9) labor hours charged to WA is less than 2% of the total time.	✓		
3.	<b>Schedule 2.11(b-1) - Direct Administrative Labor Hours</b>			
	Breakdown of Schedule 2.11(b-1) is reasonable, i.e., within acceptable guideline of <4% of overall WA LOE. Justification is attached for any exceedance.	✓		
4.	<b>Schedules 2.11(c) and (d) - Direct Non-Salary</b>			
	Rates listed in Schedule 2.11(c) are consistent with contract.	✓		
	Rates for in-house and/or miscellaneous costs match contract Schedule 2.10(b).	✓		
	Quotes are included for any non-contract item (including equipment purchases & rentals; excluding air fare) >\$1k.	✓		
	All costs are allowable, e.g., office telephone and office shipping cannot be reimbursed as a direct cost if included in ICR. If not in ICR, they are included in 2.10(b) or 2.10(c). Field costs must be receipted.	✓		
	Appropriate lodging/per diem/mileage rates are used.	✓		
	Rates are approved for consultant-owned equipment Schedule 2.10(c).	✓		
	Total direct non-salary costs match amounts on Schedule 2.11(a).	✓		
	Other direct costs (no. of field days, lodging, and field equipment and usage) are reasonable based on field work schedule or supporting documentation.	✓		
5.	<b>Schedule 2.11(e) - Cost-plus-fixed-fee subcontracts</b>	Yes	No	Comments
	Proposed subconsultant is on standby, or has DEC-approved rates with another standby consultant.			NA

	Standby subcontract is active and rates (salary, direct and indirect costs and fixed fee) match.			NA
	A breakdown of direct non-salary costs in the form of additional Schedule 2.11's is attached if appropriate.			NA
	Total subcontract amount matches Schedule 2.11(a).			NA
	Subcontractor has justified/obtained adequate quotes for any further subcontracted work.			NA
	Subcontractor certification(s) have been submitted.			NA
6.	<b>Schedule 2.11(f) - Unit Price Subcontracts</b>			
	There are quotes for non-standby subcontracts >\$1k. Bids are comparable (quantities and items) and provide unit costs plus job total.	✓		
	<i>Standby Drillers</i> (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.			NA
	<i>Standby Labs and Data Validators</i> (Used on a rotational basis) - Unit cost per sample match unit cost in their standby contract.	✓		
	M/WBE - cost reasonableness of sole source M/WBE contracts <\$10K and are documented.	✓		
	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.)	✓		
	Subcontractor certification(s) have been submitted.	✓		
	Justification is attached for any subcontracts >\$100,000 supporting a determination not to design and competitively bid the work through DEC's Remedial Bureau E. Response-type activities (drum removals, soil excavation, and other construction-type activities) typically must be competitively bid.			NA
7.	<b>Schedule 2.11(g) - Cost Control Report</b>			
	Individual 2.11(g)s equal summary 2.11(g) and costs match 2.11(a).	✓		
	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%.	✓		
	PMWP or amendment development costs are limited to preparing a PMWP or amendment. Additional subtasks, if included, have been conceptually approved.	✓		
8.	<b>Schedule 2.11(g) Supplemental - Cost Control Report (subs)</b>			
	Schedules include all applicable subcontracts and management fee (for unit price only).	✓		
9.	<b>Additional Cost Information/Comments</b>			

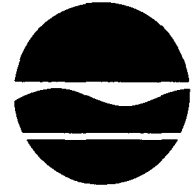
**New York State Department of Environmental Conservation**

**Division of Environmental Remediation, 12<sup>th</sup> 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

*Via E-Mail and Regular Mail*

September 4, 2007

Mr. Bruce Nelson  
Malcolm Pirnie, Inc.  
43 British American Boulevard  
Latham, NY 12110

Re: Work Plan Amendment Approval/Notice to Proceed  
Contract/WA No. - D004439-1.1  
Site No. - 835013  
Site Name - Modock Road Springs

Dear Mr. Nelson:

The New York State Department of Environmental Conservation's Division of Environmental Remediation (DER) approves the work plan amendment dated August 2007 for the above referenced work assignment (WA) in the amount of \$167,288 for the total work plan budget of \$217,288 for additional air sampling, updated QAPP & HASP, mitigation system installation, public meeting support, well survey and water level measurements.

DER authorizes your firm to proceed with the scope of work in this WA's approved work plan amendment. 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, Jason Pelton, at (518) 402-9812.

Sincerely,

*Dale A. Desnoyers*

Dale A. Desnoyers

Division Director

Division of Environmental Remediation

Enclosure

ec: **J. Pelton, PM**  
**R. Burger, CM**  
**P. Kappeller, Payments**  
**T. Wolosen**  
**S. Gupta**  
**M. Cruden**  
**D. Weigel**  
**J. White**  
**R. Knizek**  
**D. Desnoyers**  
**B. Moulhem**  
**B. Putzig, Region 8**  
**bnelson@pirnie.com**  
**dloewenstein@pirnie.com**



**From:** Swapan Gupta  
**To:** Ralph Burger  
**Date:** 8/8/2007 10:55:44 AM  
**Subject:** Fwd: Re: Modock Road Conceptual Approval

Here is Sal's approval of the WA.

>>> Sal Ervolina 07/18/07 5:15 PM >>>

I thought I had approved this one long ago, but obviously you do not have a copy. I approve the conceptual approval memo to amend the IIWA at the Modock Road site.

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Hi Sal:

For some reason you haven't yet approved the Modock Road Conceptual Approval for \$167,000 to amend an IIWA. It was sent to you on 5/15/07 by Joe White. Since I didn't get a copy of your approval from Mike Cruden, I have been carrying it in my records as unapproved. I am also copying Joe on this in case he has seen your approval and we haven't. Thanks.

-Swapn

**From:** Swapan Gupta  
**To:** Ralph Burger  
**Date:** 7/19/2007 9:13:56 AM  
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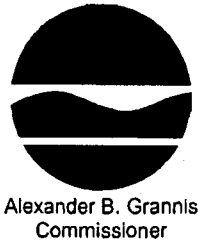
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New York State Department of Environmental Conservation  
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625 Broadway, Albany, New York 12233-7013  
Phone: (518) 402-9818 • FAX: (518) 402-9819  
Website: www.dec.ny.gov



MEMORANDUM

**TO:** Salvatore Ervolina, Assistant Division Director, DER

**FROM:** Edward R. Belmore, Director, Remedial Bureau D 

**SUBJECT:** Conceptual Approval Memo for Modock Road Springs/DLS Sand & Gravel, Inc. Site (HW 8-35-013) Immediate Investigation Work Assignment **Budget Amendment**

**DATE:** May 14, 2007

---

Site No., Site Name and Location: 8-35-013, Modock Road Springs/DLS Sand & Gravel, Inc. Site, Located in the Town of Victor, Ontario County, New York

Site Information: See attached copy of site information.

Conflict of Interest: 1) DLS Sand & Gravel, Inc.  
2) Syracuse Sand & Gravel, Inc.

Program Element: Remedial Investigation - Immediate Investigation Work Assignment (IIWA)

Duration: 26 Weeks

Estimated Budget:

Original IIWA Total:	\$50,000
<b>This Amendment Cost (Expanded VI Sampling):</b>	<b>\$167,288</b>
Amended Total Immediate Investigation Work Assignment Cost:	\$217,288

Funding Source: State Superfund

Brief Description of Scope of Work: In advance of the Modock Road Springs site RI/FS an indoor air monitoring program is being implemented as part of an IIWA. The IIWA work plan and associated budget was assembled assuming that vapor intrusion sampling would be completed at approximately 18 to 20 residential properties during the 2006/2007 heating season. Based on the results of the initial indoor air sampling, recent press coverage, and participation in public meetings, the vapor intrusion program was expanded to include a total of 64 residential properties. Additionally, the scope of the IIWA was expanded to include the following activities:

- 1) Mitigation system installations;
- 2) Public meeting technical support;
- 3) Groundwater monitoring well survey;
- 4) Groundwater monitoring well water level measurements; and
- 5) Updates to QAPP and HASP in advance of RI/FS field activities.

Attachment

ecc: D. Weigel  
L. Rizzo  
D. Finlayson  
M. Cruden  
J. White  
J. Pelton  
L. Paulsen

**MALCOLM  
PIRNIE**

INDEPENDENT ENVIRONMENTAL  
ENGINEERS, SCIENTISTS  
AND CONSULTANTS

**Malcolm Pirnie, Inc.**

43 British American Boulevard

Latham, NY 12110-1402

T: 518-782-2100

F: 518-782-0500

www.pirnie.com

August 2, 2007

Ralph Burger  
New York State Department of Environmental Conservation  
625 Broadway  
Albany New York 12233

Re: Modock Road Springs IIWA Amendment (WA# D-004439-1.1)

Dear Mr. Burger:

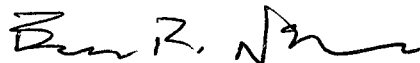
Enclosed for your review are the amended Modock Road Springs Immediate Investigation Work Plan (WA# D-004439-1.1) and 2.11 schedules which were originally submitted to NYSDEC on April 27, 2007. The work plan was amended because NYSDEC requested the following items which were not included in the original IIWA work assignment:

- Air sampling in an additional 45 residences and physical testing in 8 to 10 residences in which radon mitigation systems are operating;
- Update Quality Assurance Project Plan (QAPP) and Health and Safety Plan (HASP);
- Vapor intrusion mitigation system subcontract management and installation oversight at up to three residences;
- Public meeting support, including attendance, participation, and poster and presentation preparation;
- Survey of all monitoring wells; and
- Measurement of water levels at all site wells.

If you have any questions, please call me at (518) 782-2115.

Very truly yours,

MALCOLM PIRNIE, INC.



Bruce Nelson  
Senior Associate

pjb

F:\PROJECT\0266353\DOC\Additional IIWA\WP Addendum\Burger Ltr.doc

c: Jason Pelton



S11282

**PROJECT NAME: Modock Road Springs**

**Site No. 835013**

**WA #: D004439-1.1**

**TO: Dale A. Desnoyers**

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

	<i>Name</i>	<i>Initials</i>	<i>Date</i>
<b>Project Manager</b> (scope, level-of-effort, subcontracting).	Jason Pelton	J Pelton	8/24/07
<b>Contract Manager/Cost Reviewer</b> (conformance with contract, protocols, and cost reasonableness).	Ralph Burger	RB	8/24/07
<b>M/WBE Unit</b>	Brenda Moulhem	B. Moulhem	8/24/07
<b>Chief, Contracts and Payments Section</b>	Mike Cruden/ S. Gupta	SG	8/29/07
<b>T. Wolosen, Fiscal Management Section</b>	Tim Wolosen	TW	8/30/07
<b>Bureau Director</b>	Donna Weigel	DW	8/31
<b>Assistant Division Director</b>	Sal Ervolina		

**PLEASE CALL Ralph Burger AT 402-9752 AFTER SIGN-OFF**

AUG 28 2007

*[Handwritten signature]*



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**To:** Ralph Burger  
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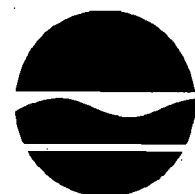
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New York State Department of Environmental Conservation  
Division of Environmental Remediation  
Remedial Bureau D, 12<sup>th</sup> Floor  
625 Broadway, Albany, New York 12233-7013  
Phone: (518) 402-9818 • FAX: (518) 402-9819  
Website: www.dec.ny.gov



Alexander B. Grannis  
Commissioner

## MEMORANDUM

**TO:** Salvatore Ervolina, Assistant Division Director, DER

**FROM:** Edward R. Belmore, Director, Remedial Bureau D *E. R. Belmore*

**SUBJECT:** Conceptual Approval Memo for Modock Road Springs/DLS Sand & Gravel, Inc. Site (HW 8-35-013) Immediate Investigation Work Assignment **Budget Amendment**

**DATE:** May 14, 2007

---

Site No., Site Name and Location: 8-35-013, Modock Road Springs/DLS Sand & Gravel, Inc. Site, Located in the Town of Victor, Ontario County, New York

Site Information: See attached copy of site information.

Conflict of Interest: 1) DLS Sand & Gravel, Inc.  
2) Syracuse Sand & Gravel, Inc.

Program Element: Remedial Investigation - Immediate Investigation Work Assignment (IIWA)

Duration: 26 Weeks

Estimated Budget:

Original IIWA Total:	\$50,000
<b>This Amendment Cost (Expanded VI Sampling):</b>	<b>\$167,288</b>
Amended Total Immediate Investigation Work Assignment Cost:	\$217,288

Funding Source: State Superfund

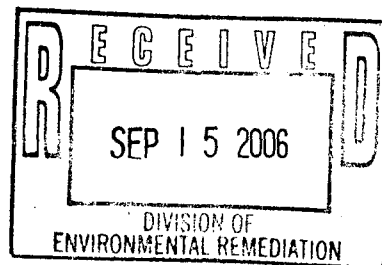
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- 2) Public meeting technical support;
- 3) Groundwater monitoring well survey;
- 4) Groundwater monitoring well water level measurements; and
- 5) Updates to QAPP and HASP in advance of RI/FS field activities.

Attachment

ecc: D. Weigel  
L. Rizzo  
D. Finlayson  
M. Cruden  
J. White  
J. Pelton  
L. Paulsen

<b>PROJECT NAME: Immediate Investigation Work Assignments</b>		<b>WA #: D004439-1 and -2</b>	
<b>TO: Dale A. Desnoyers</b>		\$9991	
<b>The attached Work Plan is submitted for your approval. It has been checked and approved by:</b>			
	<i>Name</i>	<i>Initials</i>	<i>Date</i>
<b>Project Manager</b> (scope, level-of-effort, subcontracting).	N/A	—	—
<b>Contract Manager</b> (conformance with contract and protocols).	Lisa Lewis	LML	8/17/06
<b>Cost Reviewer</b> (cost reasonableness).	Lisa Lewis	LML	8/17/06
<b>M/WBE Unit</b>	Brenda L. Moulhem	BTM	9/7/06
<b>Acting Chief, Contracts &amp; Payments Section</b>	Swapan Gupta	SG	9/8/06
<b>T. Wolosen, Fiscal Management Section</b>	Tim Wolosen	Tmw	9/13/06
<b>Bureau Director</b>	Donna M. Weigel <i>ma</i>	<i>DW</i>	9/14/06
<b>PLEASE CALL THERESA SPAIN AT 2-9764 AFTER SIGN-OFF</b>			



AUG 17 2006

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New York State Department of Environmental Conservation

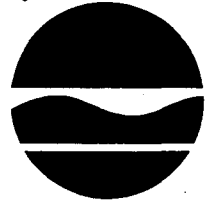
Division of Environmental Remediation, 12<sup>th</sup> Floor

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Phone: (518) 402-9706 • FAX: (518) 402-9020

Website: www.dec.state.ny.us

*L. Lewis*



Denise M. Sheehan  
Commissioner

SEP 15 2006

Mr. Bruce Nelson  
Malcolm Pirnie, Inc.  
43 British American Boulevard  
Latham, NY 12110

RE: Standby Consultant Contract  
**Work Plan Approval**  
Work Assignment #D004439, WA Nos. 1 and 2  
Immediate Investigation Work Assignments (IIWAs)

Dear Mr. Nelson:

Enclosed are copies of the approved work plan budgets for two IIWAs. These work plans are designed to provide the Department with consultant services for investigation and design on an immediate response basis. Specific sites will be determined at a later time.

The budgets for the two work assignments are as follows:

Approved work plan budget WA #D004439-1	\$ 50,000
Approved work plan budget WA #D004439-2	<u>\$ 50,000</u>
<b>Total of work assignment budgets</b>	<b>\$100,000</b>

**This letter is not a Notice to Proceed.** The notice to proceed will be issued when a site in need of investigation is identified by the Department. Once a notice to proceed is issued, you are authorized to expend only approved budget funds. Payments cannot be processed until the encumbrance of monies for each WA is approved by the Office of the State Comptroller (OSC). This process takes approximately four weeks.

If you have any questions or comments, please contact Lisa Lewis, Contract Manager, at (518) 402-9601.

Sincerely,

Dale A. Desnoyers

Director

Division of Environmental Remediation

Enclosures

ec: w/enc  
L. Lewis ✓  
S. Gupta  
(DER Section Chiefs)

ec: w/o enc  
D. Desnoyers  
P.D. Smith  
C. Vasudevan  
E. Belmore  
R. Schick  
A. English  
B. Moulhem  
D. Finlayson  
T. Wolosen

**WORK PLAN**  
**STATE SUPERFUND STANDBY CONTRACT**  
**IMMEDIATE INVESTIGATION WORK ASSIGNMENTS (IIWA)**

**Site Names and Numbers:** Open project for subsequent assignment  
Open project for subsequent assignment

**Work Assignment Numbers:** D004439-1  
D004439-2

**Work Element:** Site Characterization

**Contract Manager:** Lisa Lewis

**Synopsis:** This document establishes a series of two site-specific work assignment (WA) projects to be addressed under the State Superfund Standby Contract with Malcolm Pirnie and provides a site-specific WA budget for each project. Each WA established by this document will be known as an Immediate Investigation Work Assignment (IIWA) and will be used to complete Site Characterization (SC) work. Each WA established by this document will have a pre-approved, maximum work budget of \$50,000 - for a maximum total of \$100,000. A site-specific scope of work will be prepared and issued by the NYSDEC Project Manager as an attachment to the Notice to Proceed letter issued for each WA. The Notice to Proceed letter for each WA project will be issued under the appropriate Bureau Director's signature within the Division of Environmental Remediation (DER) or under the signature of the appropriate Regional Engineer in any of the Department's empowered Regional Offices.

**Scope of Work:** IIWA projects are designed to give the Department the ability to acquire additional information relative to a particular inactive hazardous waste disposal site or petroleum spill contaminated site after regular investigations have been completed, or to quickly initiate the early stages of the SC program at previously listed or suspected inactive hazardous waste disposal sites. To facilitate this program, the Standby Contractor will establish all of the management procedures necessary to provide the required services to the Department on a very short notice. The scope of work for the given IIWA projects will generally encompass activities contained in Work Element I of Schedule 1 (SC) and other work elements as appropriate in the Standby Consultant Engineering Contract. The Standby Contractor will be expected to mobilize manpower and equipment for each IIWA project within 7 days immediately following the date of the Notice to Proceed letter issued by the Department, or as directed by the Division of Environmental Remediation Project Manager.

The scope of work for each IIWA is intended to serve site investigation circumstances that other initiatives within the DER, such as Immediate Response Work Assignments (IRWAs), are not able to adequately fulfill. Each IIWA will have a cost ceiling of \$50,000 and each IIWA will be used under circumstances where the scope of work is well defined and limited to providing information which will directly factor into a decision relative to the project site's classification. These WA projects are to be executed rapidly (site work is to begin within 7 days immediately following the date of the Notice to Proceed letter) and lend themselves to close technical involvement by DER personnel. In addition, these WA projects may involve components that support a large investigation being managed by the DER.



**Work Plan Development:** The Department has generated this work plan document to address two site-specific WAs that each have a pre-approved, maximum work plan budget of \$50,000 - for a maximum total of \$100,000. In general, the scope of work for any given IIWA project established by this work plan document may encompass the activities contained in Schedule 1, Work Element I of the Standby Contract with Malcolm Pirnie and/or may involve some activities that require the services of a subcontractor, such as:

- Geophysical Services
- Drilling Services
- Subsurface Exploratory Services
- Analytical Laboratory Services

The following items are not included in this work plan document and are to be provided by Malcolm Pirnie once the Notice to Proceed has been issued. These items are:

- 1) A Staffing Plan that identifies the management and technical staff to be assigned to a particular project; identifies the management and technical staff responsibilities during their work on the assigned project; and provides a current resume for all involved management and technical staff (if not previously submitted).
- 2) A Minority Business Enterprise/Women's Business Enterprise (MBE/WBE) Utilization Plan that identifies those subcontracts that will most likely result in some element of MBE/WBE participation.

**Work Plan Development Cost Authorization:** This work plan document represents the final work plan as generated by the Department; therefore, there are no Standby Consultant associated work plan development costs.

**Proposed Budget:** The budgets for the proposed sites are as follows:

<u>Work Assignment No.</u>	<u>Lump Sum Budget</u>
Work Assignment D004439-1	\$ 50,000
Work Assignment D004439-2	<u>\$ 50,000</u>
<b>TOTAL</b>	<b>\$100,000</b>

The site-specific work assignment budgets of \$50,000 are estimated by the following breakdown:

Direct and Indirect Salary Costs - 53%

(based on 300 hours of effort for Level IV personnel (as an average) at \$31.88 per hour)

Direct Non-Salary Costs - 2%

Subcontract Costs - 40%

Fixed Fee - 5%

Detailed Schedules for each work assignment are attached as follows:

2.11(a)

2.11(g)

Schedule 2.11(a)

Summary of Work Assignment Price

Work Assignment Number D004439-1

1.	Direct Salary Costs (Schedules 2.10(a) and 2.11(b)) (based on 300 hours of effort for Level IV personnel (as an average) at \$31.88 per hour)	\$ 9,564
2.	Indirect Costs (Schedule 2.10(g))	\$16,766
3.	Direct Non-Salary Costs (Schedules 2.10(d)(e)(f) and 2.11 (c)(d))	\$ 1,037

Subcontract Costs

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

Name of Subcontractor    Services to Be Performed    Subcontract Price

A.

B.

C.

4.	Total Cost-Plus-Fixed-Fee Subcontracts	\$10,000
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*Unit Price Subcontracts (Schedule 2.10(f) and 2.11(f))*

Name of Subcontractor    Services to Be Performed    Subcontract Price

A.

B.

C.

5.	Total Unit Price Subcontracts	\$10,000
6.	Total Subcontract costs (lines 4 + 5)	\$20,000
7.	Fixed Fee (Schedule 2.10(h))	\$ 2,633
8.	Total Work Assignment Price (Lines 1 + 2 + 3 + 6 + 7)	<b>\$50,000</b>

**Schedule 2.11(g)**

**Monthly Cost Control Report  
Summary of Fiscal Information**

**Engineer:** MPI  
**Contract No.:** D004439  
**Project Name:** IIWA  
**WA No.:** D004439-1  
**Task No./Name:** D004439-1 SUMMARY  
**% Complete:**

**Page 1 of 1**  
**Date Prepared:**  
**Billing Period:**  
**CAP No.:**

<i>Expenditure Category</i>	<i>A</i>	<i>B</i>	<i>C</i>	<i>D</i>	<i>E</i>	<i>F</i>	<i>G</i>	<i>H</i>
	<i>Costs Claimed This Period</i>	<i>Paid to Date</i>	<i>Total Disallowed to Date</i>	<i>Total Costs Incurred to Date (A+B+C)</i>	<i>Estimated Costs to Completion</i>	<i>Estimated Total Work Assignment Price (A+B+E)</i>	<i>Approved Budget</i>	<i>Estimated Under/Over (G-F)</i>
1. Direct Salary Costs							\$9,564	
2. Indirect Costs (175.3%)							\$16,766	
3. Subtotal Direct Salary Costs and Indirect Costs							\$26,330	
4. Travel								
5. Other Non-Salary Costs							\$1,037	
6. Subtotal Direct Non-Salary Costs							\$1,037	
7. Subcontractors							\$20,000	
8. Total WA Cost							\$47,367	
9. Fixed Fee (10%)							\$2,633	
10. Total WA Price							\$50,000	

**From:** Jason Pelton  
**To:** Craft, James; Lewis, Lisa  
**Date:** 11/17/2006 1:55:50 PM  
**Subject:** Fwd: Modock Road Springs Site

I have forwarded the NTP to MPI for the Modock Road Springs IIWA.

Jason

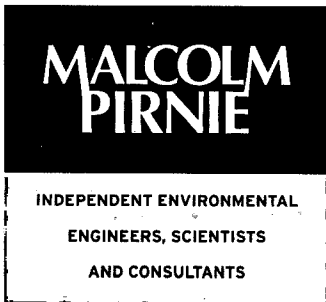
>>> Edward Belmore 11/17/06 1:54 PM >>>  
Bruce Nelson:

Remedial Bureau D, Section A of the DER is issuing IIWA #1 to Malcolm Pirnie, Inc. for the completion of an indoor air monitoring program at the Modock Road Springs site located in the Town of Victor, Ontario County, New York. The program will be completed to determine if vapor intrusion is occurring in an area where CVOC contamination is known to exist in an extensive groundwater plume. The IIWA will not exceed \$50,000.

The Project Manager, Jason Pelton, will be contacting you to discuss the scope of work details.

Ed Belmore

Edward R. Belmore P.E.  
Phone: 518-402-9814  
Fax: 518-402-9819  
[exbelmor@gw.dec.state.ny.us](mailto:exbelmor@gw.dec.state.ny.us)



Malcolm Pirnie, Inc.  
43 British American Boulevard  
Latham, NY 12110-1402  
518-782-2100 518-782-0500 FAX

November 17, 2006

Ms. Lisa M. Lewis  
New York State Department of Environmental Conservation  
Division of Environmental Remediation  
Bureau of Program Management, Room 1224  
625 Broadway  
Albany, NY 12233-7012

Re: IIWA Conflict of Interest Letter; Modock Road Springs, Site #8-35-013  
Malcolm Pirnie Standby Contract No. D004439 for Investigation Design

Dear Ms. Lewis:

Malcolm Pirnie, Inc. appreciates the inquiry concerning the above-referenced site. As we previously communicated to you, we have conducted our COI review and have no conflict of interest. Enclosed is the signed Conflict of Interest Certification form for your records.

If you have any questions, please feel free to call me at (518) 782-2100.

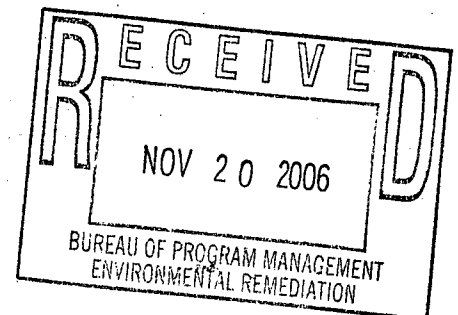
Very truly yours,

MALCOLM PIRNIE, INC.

Bruce R. Nelson, C.P.G.  
Senior Associate

caw  
Enclosure

F:\PROJECT\DEC Standby 2006\DOC\Lewis ltr6.doc



New York State  
Department of Environmental Conservation  
Division of Environmental Remediation

Standby Engineering Contract  
Conflict of Interest Certification

To the best of the Department of Environmental Conservation's knowledge, the potential responsible parties listed below are the known potential responsible parties as of the issuance date of the enclosed work assignment letter.

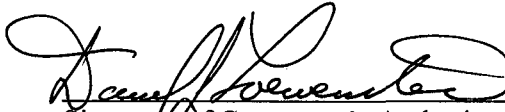
- *DLS Sand & Gravel, Inc.*

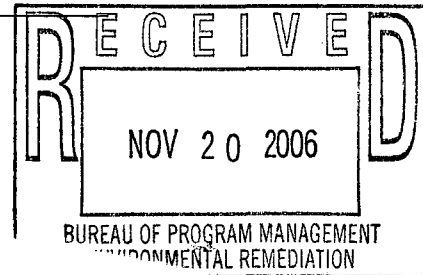
- *Syracusa Sand & Gravel, Inc.*

The undersigned authorized representative, for the contractor indicated below, hereby certifies for the contract number and work assignment number identified below that to the best of his/her knowledge the contractor has no organizational or personal conflict of interest with the potential responsible parties listed above, as defined in Appendix B, Section III, Conflict of Interest of the executed standby engineering contract indicated below.

*Certified By:*

I acknowledge receipt and acceptance of this WA as the contractor's authorized representative. I also acknowledge that the contractor has no conflict of interest.

  
Signature of Contractor's Authorized Representative \_\_\_\_\_ Date 11/16/06  
MALCOLM PIRNIE INC.  
Contractor Name \_\_\_\_\_  
Contract/WA No. D004439-1  
8-35-013  
Site/Spill/PIN No. \_\_\_\_\_  
Modock Road Springs - IIWA  
Site/Spill Name \_\_\_\_\_



**From:** Lisa Lewis  
**To:** bnelson@pirnie.com  
**Date:** 11/15/2006 11:08:56 AM  
**Subject:** COI checks for anticipated immediate work assignments

Hi Bruce-

Attached are two documents which need to be completed for Conflict of Interest checks. It is anticipated that, if Malcolm Pirnie has no conflicts, Work Assignments 1 and 3 under the I/D contract D004439 will be activated.

WA #1 will be an IIWA for Modock Road Springs, Site #8-35-013. Jason Pelton will be the Project Manager, and he will be responsible for activating the WA.

WA #3 will be an ISVWA for five different sites (see names and numbers on the COI forms). Benjamin Rung will be the Project Manager for that one, and he will be responsible for activating it.

Because of the immediate nature of these work assignments, we ask that you conduct your conflict of interest checks as quickly as possible. You can PDF the completed forms back to me and then send the originals in the mail. This way, the PMs can contact you for WA activation (aka "Notice to Proceed") with little delay.

Please let me know if you have any questions, as these types of work assignments are "run" in a slightly different way than regular WAs.

Thanks,  
Lisa

Lisa M. Lewis  
Contract Manager  
NYS Dept. of Environmental Conservation  
Division of Environmental Remediation  
Bureau of Program Management  
Contracts & Payments Section  
625 Broadway, 12th Floor  
Albany, NY 12233-7012

Phone: (518) 402-9601  
Fax: (518) 402-9722  
Email: lmlewis@gw.dec.state.ny.us

**CC:** dloewenstein@pirnie.com; Pelton, Jason; Rung, Benjamin



MPI Lisa Lewis 11/14/06

#105

**From:** Sal Ervolina  
**To:** Campbell, Bennett  
**Date:** 11/10/2006 4:15:10 PM  
**Subject:** Re: Conceptual Approval for Modock Road Springs IIWA

I approve the conceptual approval memo for an IIWA at the Modock Road Springs/DLS Sand & Gravel, Inc. site.

>>> Bennett Campbell 11/06/06 9:48 AM >>>  
Sal,

Attached is the conceptual approval memo and work plan for Modock Road Springs/DLS Sand & Gravel, Inc. (HW 8-35-013), Immediate Investigation Work Assignment. The total budget is \$47,500.

**CC:** Belmore, Edward; Finlayson, David; Gupta, Swapn; Pelton, Jason; Quinn, Karen; Rizzo, Laurie; Weigel, Donna; White, Joseph; Wolosen, Tim

11/14/06

Lisa,

I would like to activate one of MPIID IIWA. They are due for more work.

Pls let MPI and Jason Pelton know that they don't need to turn around and prepare revised budget (it merely eats up <sup>some of</sup> the budget) and that payments won't be affected. If JP wants to revise the scope, MPI can simply provide him with a tech. scope (copy to you).

Any questions, pls. consult me.

I will forward electronic versions to you.

- Swapn



**From:** Swapan Gupta  
**To:** Lisa Lewis  
**Date:** 11/14/2006 1:31:37 PM  
**Subject:** Fwd: Re: Conceptual Approval Memo for Proposed Engineering Standby Contract WA - Poestenkill

Hi Lisa:

I would like to assign this WA to MPI also assuming that they have no COI. The reason for choosing MPI is that they need to be assigned much more work to bring them up to speed and in line with the other consultants. I will send you the attachments in a separate e-mail.

-Swapan

>>> Michael Cruden 11/14/06 10:03 AM >>>

fyi

>>> Sal Ervolina 11/10/06 4:05 PM >>>

I approve the conceptual approval memo for the Poestenkill site.

>>> Margaret Moss 10/25/06 10:44 AM >>>

Sal:

Attached please find the Conceptual Approval Memo for Proposed Engineering Standby Contract Work Assignment for the Poestenkill Site in Rensselaer County for your review and approval.

The estimated WA Budget is \$125,000 with \$5,000 for work plan development which will include evaluation of all existing systems to determine if the existing systems are compliant with Attachment 1 of the March 31, 2003 Standby I&R Contract.

Margaret

**From:** Swapan Gupta  
**To:** Lisa Lewis  
**Date:** 11/14/2006 1:15:17 PM  
**Subject:** Fwd: Re: Conceptual Approval for Modock Road Springs IIWA

Hi Lisa:  
Here is the CA for the Modock IIWA with MPI.  
-Swapn

>>> Sal Ervolina 11/10/06 4:14 PM >>>

I approve the conceptual approval memo for an IIWA at the Modock Road Springs/DLS Sand & Gravel, Inc. site.

>>> Bennett Campbell 11/06/06 9:48 AM >>>


Sal,

Attached is the conceptual approval memo and work plan for Modock Road Springs/DLS Sand & Gravel, Inc. (HW 8-35-013), Immediate Investigation Work Assignment. The total budget is \$47,500.



## MEMORANDUM

**TO:** Salvatore Ervolina, Assistant Division Director, DER

**FROM:** A. J. White through Edward R. Belmore, Director, Remedial Bureau D 

**SUBJECT:** Conceptual Approval Memo for Modock Road Springs/DLS Sand & Gravel, Inc.  
Site (HW 8-35-013) Immediate Investigation Work Assignment

**DATE:** November 1, 2006

---

Site No., Site Name and Location: 8-35-013, Modock Road Springs/DLS Sand & Gravel, Inc.  
Site, Located in the Town of Victor, Ontario County, New York

Site Information: See attached copy of site information.

Conflict of Interest: 1) DLS Sand & Gravel, Inc.  
2) Syracuse Sand & Gravel, Inc.

Program Element: Remedial Investigation - Immediate Investigation Work Assignment (IIWA)

Duration: 26 Weeks

Estimated Budget: Work Plan Development Cost: \$2,500  
Total Work Assignment: \$47,500

Funding Source: State Superfund

Brief Description of Scope of Work: In advance of an RI/FS at the Modock Road Springs site, an indoor air monitoring program will be completed as part of this IIWA during the 2006/2007 heating season. Data collected during previous investigations document the presence of TCE, 1,1,1-TCA, and DCE in groundwater beneath a rural/suburban residential area of the Town of Victor. The groundwater plume extends from a source area on the DLS Sand & Gravel, Inc. property and extends approximately one mile to the north where it discharges as a series of springs. The springs were historically used as a drinking water source for the Town of Victor. Over the length of the groundwater plume, total CVOC concentrations range from approximately 16 ppm near the source to approximately 250 ppb at the spring. Currently, very little data exists to assess the potential for vapors to enter into the overlying residential properties. At one

residential property located near the springs, vapor intrusion was found to be occurring when air monitoring was completed as part of a property transaction.

The IIWA will focus on completing indoor air monitoring at approximately 25 to 30 residences that directly overlie, or that are near the CVOC groundwater plume. The selected state superfund contractor will complete the indoor air monitoring program in accordance with the attached work plan. As part of the IIWA, the Division has allocated an additional \$2,500 for the contractor to make final adjustments to the IIWA work plan and that the IIWA will require an additional \$47,500 to complete.

It is expected that the remaining RI/FS activities will be completed by the selected IIWA contractor once a detailed scope of work included as part of a work assignment is completed.

#### Attachment

ecc: D. Weigel  
T. Wolosen  
S. Gupta  
L. Rizzo  
D. Finlayson  
E. Belmore  
J. White  
J. Pelton  
K. Quinn

**STATE SUPERFUND STANDBY CONTRACT WORK ASSIGNMENT  
IMMEDIATE INVESTIGATION WORK ASSIGNMENT (IIWA)**

**SITE NAME: Modock Road Springs Site, Site No. 8-35-013,  
Town of Victor, Ontario County**

**PROJECT MANAGER: Jason Pelton**

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**I. Site Location and Description:**

The Modock Road Springs site is located in a rural/suburban area in the Town of Victor, Ontario County, New York. Data collected during previous investigations document the presence of TCE, 1,1,1-TCA, and DCE in groundwater beneath a residential area in the Town of Victor. The groundwater plume extends from a source area on the DLS Sand & Gravel, Inc. property and extends approximately one mile to the north where it discharges as a series of springs. The springs were historically used as a drinking water source for the Town of Victor. Over the length of the groundwater plume, total CVOC concentrations range from approximately 16 ppm near the source to 250 ppb at the spring. Currently, very little data exists to assess the potential for vapors to enter into the overlying residential properties. At one residential property located near the springs, vapor intrusion was found to be occurring when indoor air monitoring was completed as part of a property transaction.

The IIWA will focus on completing indoor air monitoring at 25 to 30 residences that directly overlie, or that are near the CVOC groundwater plume. The selected state superfund contractor will complete the indoor air monitoring program in accordance with the scope of work outlined below.

**II. Scope of Work:**

**Task 1 - Work Plan Development**

Upon receipt of the IIWA, the Consultant's Project Manager will contact the New York State Department of Environmental Conservation's (Department) Project Manager to discuss and verify the work to be completed. An electronic version of this IIWA will be provided to the Consultant by the Department to expedite production of the Work Plan (WP).

Within one (1) week of receiving the Notice to Proceed (NTP) the Consultant will submit a draft WP. It will include:

- 1) A Field Activities Plan (FAP) which summarizes the number and locations of the samples to be obtained. The FAP should rely on tables and figures for detailing the plan.
- 2) Site-Specific Health and Safety Plan (HASP).
- 3) Site-Specific Quality Assurance Project Plan (QAPP).
- 4) Final Budget (2.11 forms) and supporting documentation of bids.

The Consultant is expected to prepare an initial draft with one (1) revision. The total time for site work to begin is within 14 days of the NTP.

## **Task 2 - Indoor Air Sampling**

To evaluate the migration of vapors into nearby residential structures, a sub-slab and indoor air monitoring program will be completed as part of the IIWA activities. The indoor air monitoring program will be completed in accordance with the October 2006 Final NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York document. The overall goal of the indoor air sampling program is to evaluate potential human exposure to VOCs known to occur in a groundwater plume that underlies the residential area.

The indoor air and sub-slab vapor sampling and analysis will be performed at approximately 25 to 30 properties in the vicinity of the Modock Road Springs groundwater plume, in the Town of Victor, New York. The properties to be sampled have been selected by the Department and are generally shown on the attached figure (Attachment 1). Sampling at these structures is however contingent on approval by the property owners.

At each location, air samples will be collected for laboratory analysis utilizing the TO-15 methodology. Air samples will be collected from three locations per sampling location including the basement, first floor, and the subslab environment. An active approach utilizing laboratory certified canisters will be used to evaluate the indoor air and sub-slab soil vapor conditions. The indoor air canisters will be setup during an initial visit, allowed to collect the air samples during a 24 hour period, and then collected at the conclusion of the 24 hour period. Upon collection, the canisters will be sent to the laboratory for analysis. Analysis will be performed by a NYSDOH Environmental Laboratory Approval Program (ELAP) certified laboratory for USEPA Method TO-15. Analysis will be performed with reporting limits of approximately  $0.25 \mu\text{g}/\text{m}^3$  for all compounds. The analytical turnaround time will be 14 days from receipt of sample containers. Immediately (within one day) upon arrival, the superfund contractor will forward the analytical results to the Department Project Manager as an electronic data deliverable (EDD) in portable document format (PDF).

During the indoor air monitoring program, outdoor ambient air samples will be collected. The ambient air samples will be collected at the same time as the indoor air samples and from an evenly spaced location that is representative of outdoor air conditions for the entire sampling area. Quality assurance/quality control samples including duplicates and MS/MSD samples will also be collected during the indoor air monitoring program. Field QC samples will be collected at the rate of 1 QC sample per 20 original samples. For duplicate sub-slab samples, the samples will be collected by installing an in-line "tee," which will split the flow coming from the sample tubing penetrating the floor to two canisters set up adjacent to each other and each collecting vapors at identical flow rates.

Prior to initiating the air sampling, the property owners will be contacted through a telephone call and then through a ten-day written notice consistent with NYSDEC TAGM 4053. The Department Project Manager will contact the property owners, discuss the sampling program, and schedule the sampling. The Department Project Manager will provide the consultant with a copy of the correspondence and indoor air sampling schedule.

The collection of sub-slab samples will be in accordance with the following procedures:

1. Visually assess the condition of the floor. Select an area for sampling that is out of the line of traffic and away from major cracks and other floor penetrations (sumps, pipes, etc.).
2. Drill a 3/8-inch diameter hole completely through the concrete floor slab using an electric hammer drill.
3. Sweep concrete dust away from the drill hole and wipe the floor with a dampened towel. Concrete dust can be cleaned up with a vacuum equipped with a HEPA filter only after the sample tubing is properly sealed and sample collection has begun.
4. Insert the Teflon-lined polyethylene tubing (1/4-inch outside diameter [OD]), approximately 3 feet long; into the hole drilled in the floor, extending no further than 2 inches below the bottom of the floor slab.
5. Pour melted bees wax around the tubing at the floor penetration ensuring that an effective seal has been established.
6. Attach the a syringe to the sample tube and purge approximately 100 mL of air/vapor. The syringe will be capped and the air released outside the building or into a Tedlar<sup>®</sup> bag as to not influence the indoor air quality.
7. Place canister on a stable surface (floor) adjacent to the sample tube. Canister will be a 1-Liter (L) canister with a vacuum gauge and flow controller. The canister must be batch certified clean (in accordance with EPA Method TO-15) and under a vacuum pressure of no more than -25 inches of mercury (in Hg). Flow controllers must be set for a 24-hour collection period.
8. Record the canister's serial number on the chain of custody (COC) and field notebook/sample form. Assign sample identification on canister ID tag and record on COC and field notebook/sample form. For property owner privacy, do not use a sample identifier containing the name or address of the property or property owner.
9. Record gauge pressure; vacuum gauge pressure must read -25 in Hg or less or the canister cannot be used. Connect the sample tubing to the canister inlet fitting. Open canister valve to initiate sample collection.
10. Record the start time on the COC in the field notebook/sample form and take a digital photograph of canister setup and surrounding area.

**Termination of Air Sample Collection:**

1. Close the canister valve and record the stop time on the COC and in the field notebook/sample form.
2. Record the final gauge pressure and disconnect the sample tubing and pressure gauge/flow controller from canister, if applicable.

3. Install plug on canister inlet fitting and place the sample container in the original box.
4. Complete the sample collection log with the appropriate information and log each sample on the COC form.
5. Remove temporary subsurface probe and properly seal hole in the slab with hydraulic cement.
6. All canisters will be returned at the completion of the field sampling to the laboratory by overnight shipment or courier. No work or shipment of samples will be expected on weekends or holidays.

### **Task 3 - Reporting**

#### **Subtask 3.1 Data Validation/Determination of Usability**

The collection and reporting of reliable data is a primary focus of the sampling and analytical activities. Data will be reviewed to determine the limitations, if any, of the data and to assure that the procedures are effective and that the data generated provides sufficient information to achieve the project objectives. The Consultant will evaluate the analytical data according to Division of Environmental Remediation's Data Usability Summary Report (DUSR) guidelines and a Data Validation/Usability Report will be included in the final report.

#### **Subtask 3.2 Final Report**

The IIWA Deliverable will be two (2) Indoor Air Sampling reports generated at the end of the sampling event. The final report will consist of (1) a detailed description of the field work, including any deviations from the work plan, (2) the collected data in tabular format and presented in figures, and (3) field notes. The data tables will be structured to allow for a direct comparison of the sub-slab, basement, first floor, and the respective ambient air sample analytical data. The first report will contain all data. The second report, for possible public release, will not contain information that could identify property owners or properties.

### **III. Period of Performance**

The IIWA shall be completed within 26 weeks of the receipt of the work assignment.

### **IV. Project Schedule with Milestones**

<b>Description of Activity</b>	<b>Weeks (from Issuance of Work Assignment)</b>
<b>Completion of Work Plan</b>	<b>2</b>
<b>Initiation of Field Work</b>	<b>4</b>
<b>Completion of Field Work</b>	<b>16</b>

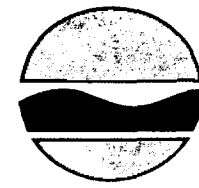
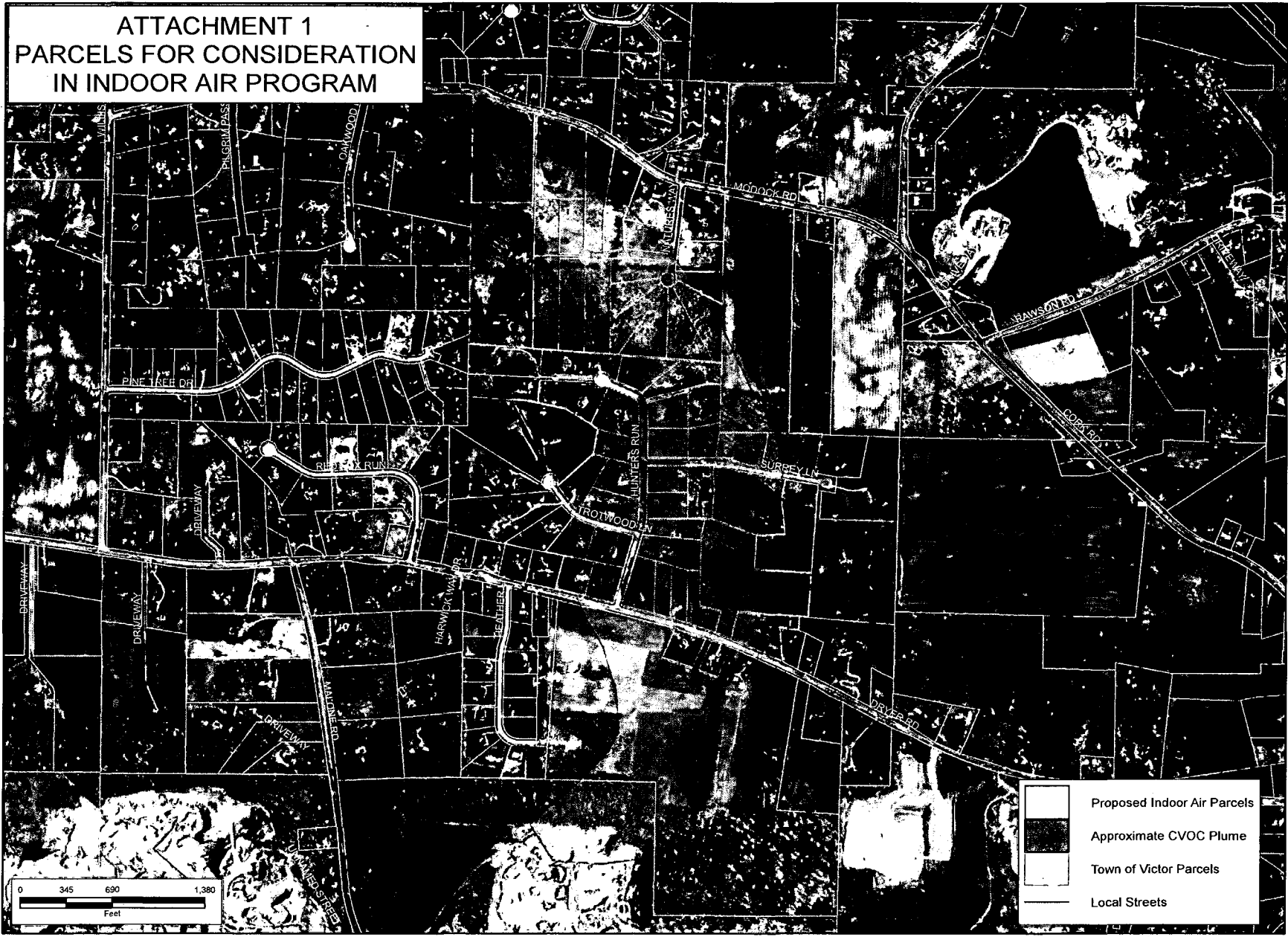


\* Project Milestone requiring performance evaluation

V. Project Budget

The total budget for this IIWA is \$50,000.00

**ATTACHMENT 1  
PARCELS FOR CONSIDERATION  
IN INDOOR AIR PROGRAM**



New York State  
Department of Environmental Conservation  
Division of Environmental Remediation

**Map Details**

Created in ArcGIS 9.1  
Created by: J. Pelton  
Date of Last Revision: 10/30/2006  
UNAUTHORIZED DUPLICATION  
IS A VIOLATION OF APPLICABLE LAWS

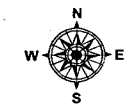
**Modock Road Springs  
Site # 8-35-013**

Ontario County  
Town of Victor

DEC Contact:  
Albany: J. Pelton  
Region 8: J. Craft

DOH Contact:  
D. McNaughton

Spring 2003  
Aerial Photography



North American Datum 1983  
UTM Zone 18N

**From:** Bennett Campbell  
**To:** Sal Ervolina  
**Date:** Mon, Nov 6, 2006 9:48 AM  
**Subject:** Conceptual Approval for Modock Road Springs IIWA

Sal,

Attached is the conceptual approval memo and work plan for Modock Road Springs/DLS Sand & Gravel, Inc. (HW 8-35-013), Immediate Investigation Work Assignment. The total budget is \$47,500.

**CC:** David Finlayson; Donna Weigel; Edward Belmore; Jason Pelton; Joseph White; Karen Quinn; Laurie Rizzo; Swapan Gupta; Tim Wolosen

**From:** Michael Cruden  
**To:** Jason Pelton  
**Date:** 11/1/2006 11:29:08 AM  
**Subject:** Re: IIWA Memo

OK. by copy I'm letting Swapam know. although not always necessary, if you have a strong desire to use a particular consultant, it can be stated within the description of the scope of work.

>>> Jason Pelton 11/01/06 11:15 AM >>>  
Mike:

Just so you are aware, I revised the conceptual approval memo to reflect the new version. I noticed that there is not a "Consultant Preference" option in this version. As we discussed though, if it is possible, I would like to try and work with EA again.

Thanks

Jason

**CC:** Swapam Gupta

**New York State  
Department of Environmental Conservation  
Division of Environmental Remediation**

**Standby Engineering Contract  
Conflict of Interest Certification**

To the best of the Department of Environmental Conservation's knowledge, the potential responsible parties listed below are the known potential responsible parties as of the issuance date of the enclosed work assignment letter.

– *DLS Sand & Gravel, Inc.*

– *Syracusa Sand & Gravel, Inc.*

The undersigned authorized representative, for the contractor indicated below, hereby certifies for the contract number and work assignment number identified below that to the best of his/her knowledge the contractor has no organizational or personal conflict of interest with the potential responsible parties listed above, as defined in Appendix B, Section III, Conflict of Interest of the executed standby engineering contract indicated below.

*Certified By:*

I acknowledge receipt and acceptance of this WA as the contractor's authorized representative. I also acknowledge that the contractor has no conflict of interest.

\_\_\_\_\_  
Signature of Contractor's Authorized Representative

\_\_\_\_\_  
Date

\_\_\_\_\_  
Contractor Name

\_\_\_\_\_  
Contract/WA No.

\_\_\_\_\_  
Site/Spill/PIN No.

\_\_\_\_\_  
Site/Spill Name