

New York State Department of Environmental Conservation  
50 Wolf Road, Albany, New York 12233-7010

*RAES* *WJ* → *me*

bcc: w/enclosure  
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Mr. Robert Handy, P.E.  
ABB Environmental Services, Inc.  
P.O. Box 7050  
110 Free Street  
Portland, Maine 04112

AUG - 6 1996

bcc: w/o enclosure  
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Dayfile  
RS#2 RS:sj a:\2472-26.abb

Dear Mr. Handy:

SEP 25 1996

RE: State Superfund Standby Contract  
**Work Plan Approval**  
Work Assignment #D002472-26  
North Lawrence Oil Dump Site, Site #6-45-013

This is to acknowledge receipt of the work plan dated July, 1996 for the above-referenced project. The subject work plan is for construction management at the North Lawrence Oil Dump Site. The Department hereby approves the management work plan and authorizes ABB Environmental Services to proceed with the project.

The following constitutes the budget for this work assignment:

Prior approved work plan budget	\$ 2,600
Approved increase in budget for this work plan	\$232,379
Total approved work plan budget	\$234,979
Unapproved budget items	
Subcontracts	\$ 0
Other Items	\$ 0
Total work assignment budget	\$234,979

You are authorized to expend only approved budget funds. These funds will not be available for payment until the Office of the State Comptroller (OSC) approves the work plan. This process generally takes approximately four weeks. Unapproved budget items must be included in a revised work plan budget and receive written Department approval before expenditure.

ABB Environmental Services is hereby given notice to proceed with the work described in this work assignment. All work described shall be completed according to the schedule in the approved work plan.

If you have any questions or comments, please contact John Helmeset, Project Manager, at (518) 457-1708.

Sincerely,



Michael J. O'Toole, Jr.  
Director  
Division of Environmental Remediation

NYSDEC SUPERFUND STANDBY CONTRACT  
WORK ASSIGNMENT NO. D002472-26

**CONSTRUCTION MANAGEMENT WORK PLAN**

**NORTH LAWRENCE OIL DUMP SITE  
TOWNSHIP OF LAWRENCE, NEW YORK  
SITE NO. 6-45-013**

*Submitted to:*

New York State Department of Environmental Conservation  
Albany, New York

*Submitted by:*

ABB Environmental Services  
Portland, Maine

July 1996  
7/26/96

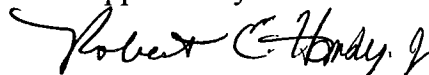
Submitted by:



Glenn Daukas  
Project Manager

ABB Environmental Services

Approved by:



Robert E. Handy, Jr., P.E.  
Program Manager

ABB Environmental Services

ABB Environmental Services

NORTH LAWRENCE OIL DUMP SITE  
CONSTRUCTION MANAGEMENT WORK PLAN

SEP 25 1996

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NORTH LAWRENCE OIL DUMP SITE  
CONSTRUCTION MANAGEMENT WORK PLAN

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8-1	Project Schedule
9-1	Work Assignment Organization

## **1.0 INTRODUCTION**

ABB Environmental Services (ABB-ES) under contract to the New York State Department of Environmental Conservation (NYSDEC), is submitting this Work Plan (WP) for construction management services to be provided for the remedial construction activities at the North Lawrence Oil Dump Site (NLODS). This WP has been prepared in accordance with the requirements of the NYSDEC as identified in Work Assignment (WA) No. D002472-26 dated March 1, 1996 under the New York State Superfund Standby Contract D-002472. This WP presents the technical scope of work, an estimated level of effort, budget, and schedule to provide construction management services for NLODS.

This section provides a site description and history, a summary of the selected remedy, and outlines the proposed scope of work for Engineering Services during remedial construction. Sections 2.0 through 8.0 provide the detailed descriptions of Task 1 through 7 respectively, which support the work assignment budget in Appendix A. Section 10.0. The Project Management Plan in Section 9.0 describes the team organization and presents the project schedule. The Minority/Woman-owned Business Entity Utilization Plan for this project will be submitted separately.

### **1.1 SITE DESCRIPTION AND HISTORY**

The NLODS is located adjacent to McAuslen Road in the Township of Lawrence in St. Lawrence County. The NLODS is an inactive hazardous waste site which consists primarily of a waste disposal lagoon. The lagoon is approximately 600 feet long and 75 feet wide and is immediately adjacent to a NYSDEC regulated 150-acre wetland and a former unregulated dump.

During the middle to late 1960's the lagoon was operated as a disposal area and received waste oils and oil sludge. These materials have also been found in the adjacent wetlands sediments. The contaminants prevailing at the site include metals, polychlorinated biphenyls (PCBs), petroleum hydrocarbons, xylene, tetrachloroethylene (PCE), trichloroethylene (TCE), toluene, and semivolatle organic compounds (SVOCs).

The main elements of the selected remedy are excavation, solidification, and stabilization of sludges present in the lagoon and the wetland, construction of an on-site disposal cell, and placement and compaction of the solidified material in the on-site disposal cell. The scope of

## 2.0 TASK 1 - DETAILED WORK PLAN

This Detailed Work Plan, prepared under Task 1, provides more detail regarding the scope of work required to meet the objectives of Work Assignment No. D002472-26 and presents a work assignment budget and schedule for completion of the work assignment. The details of the work assignment were discussed with representatives of the NYSDEC in a meeting at the NLODS on March 19, 1996.

### 3.0 TASK 2 - ATTEND MEETINGS

ABB-ES will attend a preconstruction meeting, public meetings, and job meetings. The description of each of the meetings is described as follows:

**Preconstruction Meeting** - For the Preconstruction Meeting, the ABB-ES Project Manager and Resident Engineer will travel to Albany, New York to meet with representatives of the NYSDEC and the selected contractor to discuss project activities, schedule, and NYSDEC requirements and/or policies.

During this meeting, ABB-ES technical personnel will work with the NYSDEC and the selected contractor to resolve outstanding technical, financial, and contractual problems relating to site activities. The ABB-ES Resident Engineer will also use the Preconstruction Meeting as an opportunity to prepare for observation of remedial construction activities, working with the selected contractor and NYSDEC to define required support, mobilization requirements, and the project schedule. ABB-ES will prepare and distribute meeting minutes for the Preconstruction Meeting.

**Public Meetings** - Public meetings are to be attended by the ABB-ES Project Manager or Project Engineer. For budgeting purposes, two public meetings at the site have been estimated.

**Job Meetings** - Biweekly on-site job meetings are scheduled for the duration of the project. ABB-ES' Resident Engineer will attend these meetings and ABB-ES' Project Manager is budgeted to attend the first four biweekly meetings and then will attend on a monthly basis thereafter.

Four draft copies of the report and certification are budgeted for NYSDEC review and comment.  
Five copies of the final sealed Remediation Report and certification are to be submitted to the NYSDEC.





**6.0 TASK 5 - FINAL REMEDIATION REPORT**

ABB-ES will prepare a Final Remediation Report for Approval by the NYSDEC. The report will reflect all variations from the Contract Documents, confirmatory sampling results, horizontal and vertical survey of the excavations, location of confirmatory samples, summary of wastes removed, and their destinations. The Final Remediation Report will include a certification that the contract was completed in accordance with the Contract Documents. Four draft copies and five final copies of the Final Remediation Report are budgeted.

**7.0 TASK 6 - OPERATION AND MAINTENANCE PROGRAM**

ABB-ES will prepare an Operation and Maintenance Plan (O&M Plan) for the disposal cell. The O&M Plan will include drawings, specifications of materials, and relevant and appropriate requirements of federal, State, and local regulations. The O&M Plan will include procedures for monitoring the condition and maintaining the integrity of the disposal cell.

## **8.0 TASK 7 - BIOLOGICAL WETLANDS MONITORING**

This baseline biological monitoring program will be conducted in accordance with the subtasks outlined in Task 7 of the Work Assignment. The program involves the collection, measurement, and statistical analysis of measured PCB and lead tissue concentrations in biota in the NLODS wetland and at a reference wetland to document the baseline conditions at the NLODS wetland. The results will provide data on the current level of contamination and a point of comparison for future monitoring at the site.

Activities involved in the biological wetland monitoring program, as outlined in Task 7, have been broken down into seven subtasks. The first subtask was the preparation of this Work Plan. The remaining six subtasks, which are addressed in this Work Plan, are as follows:

- Identification of a reference wetland
- Provision of equipment and analytical services that will be utilized in the investigation
- Preparation of a detailed Biological Sampling Plan
- Statistical evaluation of sampling results
- Preparation of a final report
- Schedule

The approaches for each of these subtasks are addressed in the subsections below.

### **8.1 WORK PLAN DEVELOPMENT**

Section 8.0 of this Work Plan, prepared under Subtask 7.1 of the WA, provides more detail regarding the scope of work required to meet the objectives of the biological wetlands monitoring program. The basis for these details is a conference call conducted on March 12, 1996 with representatives of the NYSDEC including the Division of Fish, Wildlife, and Marine Resources (DFWMR), and a telephone conversation with the DFWMR on April 18, 1996. The Task 7 schedule and budget is provided in Section 9.0 and Appendix A, respectively.

### **8.2 IDENTIFICATION OF REFERENCE WETLAND**

The identification of a reference wetland is necessary to provide background levels for analytes of concern. As stated above, biological tissue concentrations from biota at the NLODS wetland will be compared with concentrations from biota at the reference wetland to help document current baseline conditions.

to be analyzed for each species, and rationale for these analyses will be discussed in the sampling plan. The sampling plan will also discuss contingencies in case a selected species cannot be collected.

Field data sheets to be used in the field will be included in the sampling plan. These data sheets will contain, at a minimum, the following information: date/time, location, weather conditions, site conditions, type of sample and method used to collect it, and catch per unit effort. These sheets will be filled out at each sample location.

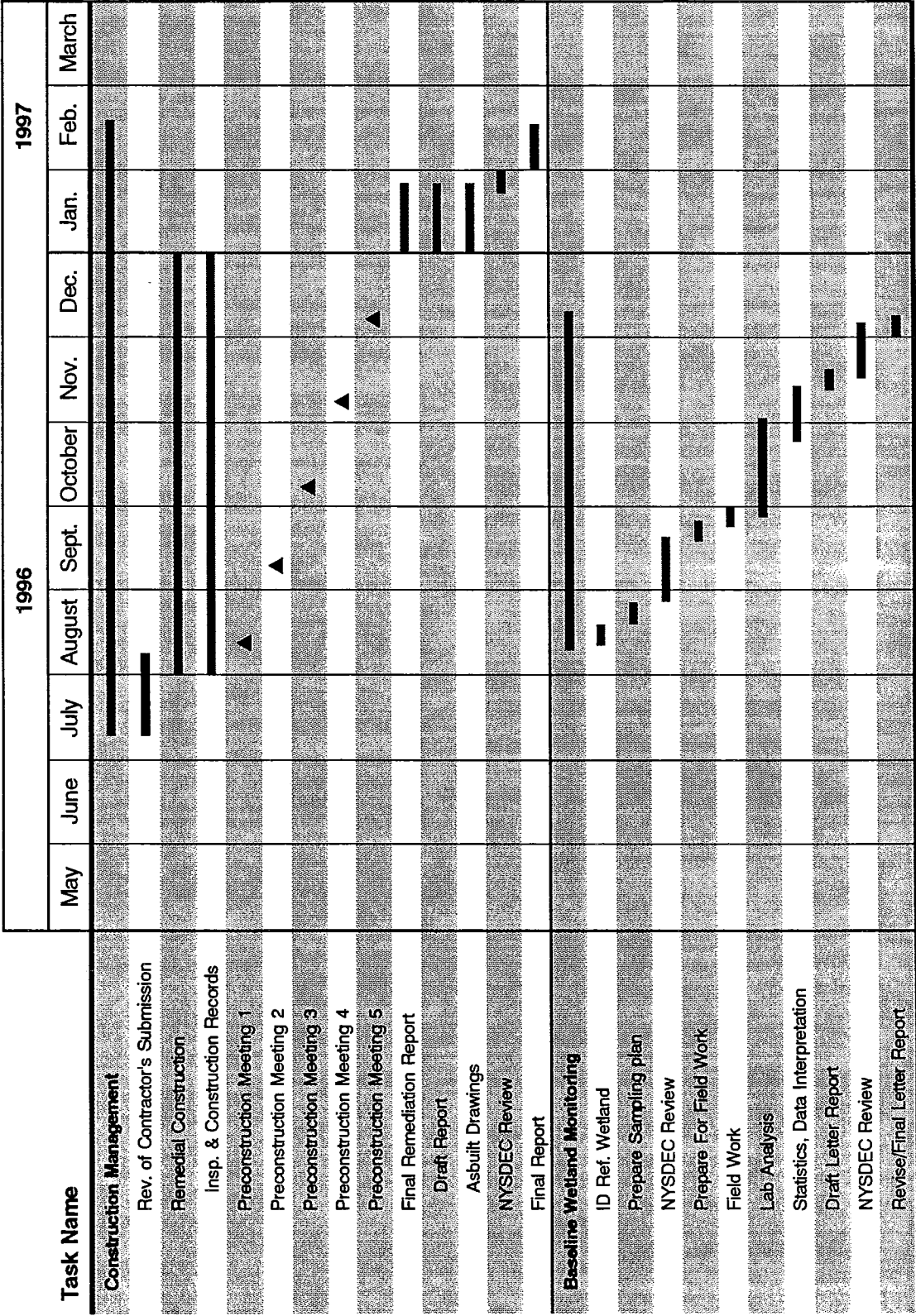
Each of the analyses will be from composite samples, and the manner of compositing each of the types of samples will be described in the sampling plan. Each sample will be analyzed for lead, total PCBs, and total lipids. The method of compositing will be determined by the type and quantity of sample required for chemical analysis and will be described in the sampling plan. The sample holding, sample preparation, and chemical analysis procedures will be included in the sampling plan.

### **8.5 FINAL REPORT**

The final report will briefly summarize the objectives, approach, and findings of the biological wetland monitoring task analytical results, statistical results, and estimated sample sizes needed.

### **8.6 SCHEDULE**

The project schedule established in Figure 8-1 shows the subtasks and activities for the baseline biological monitoring task. The schedule is dependent upon NYSDEC approval of this Work Plan and the sampling plan. The schedule assumes ready access to both sites, and that there will be no delays due to the securing of required permits, and that only Level D personal protective equipment is required to execute this work.



**FIGURE 8-1**  
**PROJECT SCHEDULE**  
**NORTH LAWRENCE OIL DUMP SITE**  
**CONSTRUCTION MANAGEMENT WORK PLAN**  
**NORTH LAWRENCE, NEW YORK**  
 ABB Environmental Services

## 9.0 PROJECT ORGANIZATION AND SCHEDULE

### 9.1 ORGANIZATION

The project organization and reporting relationships are presented in Figure 9-1. Through this organization, ABB-ES will provide project management, office and field technical support staff and engineering expertise, and consultation to the NYSDEC.

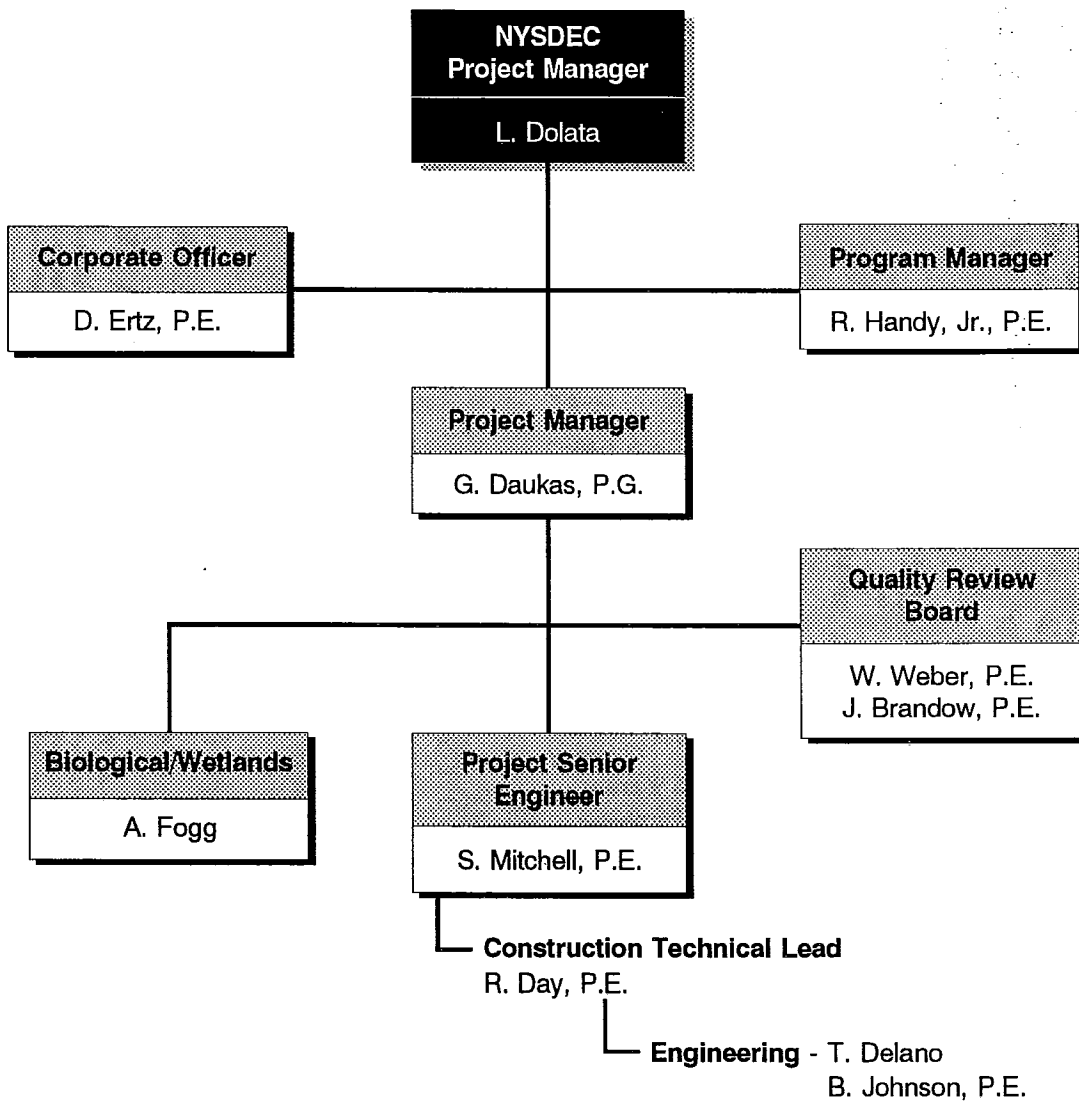
Roles and responsibilities of key personnel are presented below.

#### ABB-ES

Rick Day, P.E.	Construction Technical Lead
Stephen Mitchell, P.E.	Project Senior Engineer
Tony Delano	Resident Engineer
Brian Johnson, P.E.	Geotechnical Engineer
Andrea Fogg	Project Ecologist
Cliff Colby	QA Officer
Glenn Daukas, P.G.	Project Manager
Robert Handy, Jr., P.E.	Program Manager

### 9.2 SCHEDULE

The anticipated schedule for remedial construction at the site is presented in Figure 8-1. The actual schedule will vary dependent upon the Notice to Proceed date.



**FIGURE 9-1**  
**WORK ASSIGNMENT ORGANIZATION**  
**NORTH LAWRENCE OIL DUMP SITE**  
**CONSTRUCTION MANAGEMENT WORK PLAN**  
**NORTH LAWRENCE, NEW YORK**



## REFERENCES

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United States Environmental Protection Agency (USEPA), 1989. Soil Sampling Quality Assurance User's Guide; Environmental Monitoring Systems Laboratory; EPA/600/8-89/046; 2nd edition.

Sokal, R.R., and F.J. Rohlf, 1981. Biometry The Principles and Practice of Statistics in Biological Research; W.H. Freeman and Company, San Francisco, 859 pp.

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## LIST OF GLOSSARY AND ACRONYMS

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ABB-ES	ABB Environmental Services, Inc.
CV	coefficient of variation
DFWMR	Division of Fish, Wildlife, and Marine Resources
NLODS	North Lawrence Oil Dump Site
NYCRR	New York Code of Rules and Regulations
NYSDEC	New York State Department of Environmental Conservation
O&M	Operation and Maintenance Program
PCB	polychlorinated biphenyls
PCE	Tetrachloroethylene
QA/QC	Quality Assurance/Quality Control
SVOCs	semivolatile organic compounds
TCE	Trichloroethylene
WA	Work Assignment
WP	Work Plan



**COST TABLES**

SCHEDULE 2.11(A) SUMMARY OF WORK ASSIGNMENT PRICE  
SCHEDULE 2.11(B) DIRECT LABOR HOURS BUDGETED  
SCHEDULE 2.11 (B-1) DIRECT ADMINISTRATIVE HOURS BUDGETED  
SCHEDULE 2.11 (C) DIRECT NON-SALARY COSTS  
SCHEDULE 2.11 (D) CONSUMABLE SUPPLIES  
SCHEDULE 2.11 (E) COST PLUS FIXED FEE SUBCONTRACTS  
SCHEDULE 2.11 (F) UNIT PRICE SUBCONTRACTS  
SCHEDULE 2.11 (G) SUMMARY OF FISCAL INFORMATION  
SCHEDULE 2.11 (G) SUPPLEMENTAL COST CONTROL REPORT  
SUBCONTRACTORS  
SCHEDULE 2.11 (H) SUMMARY OF LABOR HOURS

**SCHEDULE 2.11(a)**  
**SUMMARY OF WORK ASSIGNMENT PRICE**  
**SITE NAME: NORTH LAWRENCE OIL DUMP SITE**  
**WORK ASSIGNMENT NUMBER D002472-26**  
**CONSTRUCTION OVERSIGHT**

07/09/96

1.....	DIRECT SALARY COSTS (Schedules 2.10(a) and 2.11(b))	\$67,478
2.....	INDIRECT COSTS (Schedule 2.10(g))	\$107,492
3.....	DIRECT NON-SALARY COSTS (Schedules 2.11 (c) and (d))	\$25,741
<b>SUBCONTRACT COSTS</b>		
<b>COST-PLUS-FIXED-FEE SUBCONTRACTS</b>		
(Schedule 2.11(e))		
	<b>NAME OF SUBCONTRACTOR</b>	<b>SERVICES TO BE PERFORMED</b>
	OM P. POPLI	SURVEY
		\$10,500
4.....	TOTAL COST-PLUS-FIXED-FEE SUBCONTRACTS	\$10,500
<b>UNIT PRICE SUBCONTRACTS</b>		
(Schedule 2.11(f))		
	<b>NAME OF SUBCONTRACTOR</b>	<b>SERVICES TO BE PERFORMED</b>
	NYTEST ENVIRONMENTAL	LABORATORY ANALYSIS
	HEARTLAND ENVIRONMENTAL	DATA VALIDATION
		\$6,310
		\$3,460
5.....	TOTAL UNIT PRICE SUBCONTRACTS	\$9,770
6.....	SUBCONTRACT MANAGEMENT FEE	\$0
7.....	TOTAL SUBCONTRACT COSTS (Lines 4 + 5 + 6)	\$20,270
8.....	FIXED FEE (Schedule 2.10(h))	\$13,998
9.....	TOTAL WORK ASSIGNMENT PRICE (Lines 1 + 2 + 3 + 7 + 8)	\$234,978

Engineer: ABB ENVIRONMENTAL SERVICES  
 Contract #: D002472  
 Site Name: NORTH LAWRENCE OIL DUMP  
 Work Assignment #: D002472-26

07/02/96

SCHEDULE 2.11 (b-1)  
 DIRECT ADMINISTRATIVE LABOR HOURS BUDGETED

NSPE Labor Classification	9	8	7	6	5	4	3	2	1	Total Hours
Task 1	0	0	0	0	0	0	0	0	0	0
Task 2	0	4	0	4	0	0	0	2	2	12
Task 3	0	2	0	10	0	0	0	2	1	15
Task 4	0	10	0	80	0	0	0	30	10	130
Task 5	0	4	0	4	0	0	0	2	2	12
Task 6	0	4	0	4	0	0	0	2	2	12
Task 7	0	7	0	14	0	0	0	5	0	26
<b>TOTAL HOURS</b>	<b>0</b>	<b>31</b>	<b>0</b>	<b>116</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>43</b>	<b>17</b>	<b>207</b>

Contract/Project administrative hours would include, but not necessarily be limited to the following activities:

1. Review work assignment (WA) progress
  - Conduct progress reviews
  - Prepare monthly project reports
  - Update WA progress schedule
  - Prepare monthly M/WBE Utilization Report
2. Review work assignment costs
  - Prepare monthly cost control report
  - Cost control reviews
3. CAP Preparation
  - Oversee and prepare monthly CAP
  - Respond to payment issues/disallowances
  - NSPE list updates
4. Develop and manage subcontracts
5. Implement and manage staffing plan
6. Conduct Health and Safety Reviews
7. Word processing and graphic artists
8. Report editing

Contract/Project administration hours would not include activities such as:

1. QA/QC reviews
2. Technical oversight by management

VENDOR

Engineer: ABB ENVIRONMENTAL SERVICES

07/01/96

Contract #: D002472

Site Name: North Lawrence Oil Dump

Work Assignment #: D002472-28

Schedule 2.11(d)3  
Vendor Rented

Item	Estimated Quantity	Unit Rate	Total Cost
<b>FIELD EQUIPMENT</b>			
SURVEYORS LEVEL	5	\$125.00 MONTH	\$625.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
<b>TOTAL:</b>			<b>\$625.00</b>

**ESTIMATE OF MANHOURS**  
 North Lawrence Oil Dump Site  
 North Lawrence, New York

Site Acreage Acres 2+/-  
 2 - Man Field Crew

Labor Classification NSPE Level	Principal Engineer VII	Surveyor IV	Surveyor III	Surveyor II	Surveyor I	CADD Technician III
PROJECT MANAGEMENT	2	4				
<b>FIELD</b>						
Travel To & From Site			16	16	16	
Recover previously established controls			4	4	4	
Location Survey of Disposal Cell Monitoring Wells.			12	12	12	
Topographic survey of Disposal Cells, (1' contour) (approximate cell area 300' x 300')			8	8	8	
<b>OFFICE</b>						
Process field data and contouring		4	20			24
Control Report		2	8			8
<b>TOTAL HOURS =</b>	<b>2</b>	<b>10</b>	<b>68</b>	<b>40</b>	<b>40</b>	<b>32</b>



211  
UNIT PRICE SUBCONTRACTS

NORTH LAWRENCE OIL DUMP SITE  
LABORATORY ANALYSIS

NAME OF SUBCONTRACTOR	SERVICE	PRICE	MGMT FEE
NYTEST	LAB ANALYSIS	\$6,310	\$0
Analytical Method	Number of Samples	Unit Cost	Total Cost
Sample Preparation			
Plants and/or Invertebrates	10	\$12	\$120
Amphibians	10	\$25	\$250
Small Mammals	10	\$45	\$450
Compositing	30	\$8	\$240
Total Lead (Method 3050/Method 60)	30	\$15	\$450
PCBs (Method 3550/Method 8080)	30	\$135	\$4,050
Percent Lipids (Method 9071)	30	\$25	\$750

**Note:**

1. Five samples per trophic level at each location.
2. Locations include the site and control wetland.

Subtotal Analytical Cost:	\$6,310
Management Fee:	\$0
<b>Total:</b>	<b>\$6,310</b>

CONSUMABLES

Engineer: ABB ENVIRONMENTAL SERVICES  
 Contract #: D002472  
 Site Name: NORTH LAWRENCE OIL DUMP  
 Work Assignment #: D002472-28

07/02/96

Schedule 2.11(d)5  
 Consumable Supplies

Item	Estimated Quantity	Unit Rate	Total Cost
FIRST AID KIT - SMALL	2	\$4.00 EACH	\$8.00
EMERGENCY HORN	2	\$8.00 EACH	\$16.00
FIRE EXTINGUISHER	1	\$20.00 EACH	\$20.00
CHEST WADERS	2	\$20.00 EACH	\$40.00
EAR PLUGS	100	\$1.00 EACH	\$100.00
RAIN GEAR	82	\$6.00 EACH	\$492.00
FIELD BOOK - HARDCOVER	6	\$6.41 EACH	\$38.46
TOPOGRAPHIC MAPS	1	\$7.50 EACH	\$7.50
NATIONAL WETLANDS INVENTOR	1	\$5.00 EACH	\$5.00
DUCT TAPE	11	\$3.66 EACH	\$40.26
2" TAPE WITH DISPENSER	3	\$3.66 EACH	\$10.98
FILAMENT TAPE	7	\$3.66 EACH	\$25.62
SQUIRT BOTTLES, 1 LITER	2	\$2.08 EACH	\$4.16
STAINLESS STEEL SPATULAS	10	\$1.00 EACH	\$10.00
STAINLESS STEEL SPOONS	10	\$7.00 EACH	\$70.00
STAINLESS STEEL BUCKET	2	\$13.90 EACH	\$27.80
SPRAYER - STAINLESS STEEL	1	\$20.00 EACH	\$20.00
BRUSH - LONG HANDLED	1	\$7.00 EACH	\$7.00
PLASTIC TUB	1	\$20.00 EACH	\$20.00
BUBBLE PACK	75	\$0.14 FOOT	\$10.50
ZIPLOC BAGS	2	\$1.59 BOX	\$3.18
ICE	12	\$1.30 BAG	\$15.60
PAPER TOWELS	18	\$1.00 ROLL	\$18.00
ALUMINUM FOIL	3	\$3.00 BOX	\$9.00
GARBAGE BAGS	3	\$4.00 BOX	\$12.00
HEXANE	1	32.64 L	\$32.64
DEIONIZED WATER W/JUG	3	\$5.78 5 GAL	\$17.34
LIQUINOX	1	\$20.09 GAL	\$20.09
FILE BAXES	6	\$11.00 EACH	\$66.00
FILE FOLDERS	1	\$11.00 EACH	\$11.00
PENS	1	\$1.29 EACH	\$1.29
PENS MARKING	2	\$1.16 EACH	\$2.32
EXTRA FINE PILOT PENS	2	\$1.29 EACH	\$2.58
THICK SHARPIES	2	\$1.09 EACH	\$2.18
HI LITERS	6	\$1.29 EACH	\$7.74
FILM & DEVELOPMENT	23	\$13.24 ROLL	\$304.52
LASERJET LABELS - SAMPLES	0	\$36.97 BOX	\$0.00
GATORAID	6	\$2.50 EACH	\$15.00
SPRAY PAINT	1	\$2.00 CAN	\$2.00
FLAGGING	2	\$2.00 EACH	\$4.00
STAKES	10	\$1.25 EACH	\$12.50
MISCELLANEOUS	1	\$300.00 EACH	\$300.00
<b>TOTAL:</b>			<b>\$1,832.26</b>

Engineer: ABB ENVIRONMENTAL SERVICES SCHEDULE 2.11(g) Page 2 OF 8  
 Contract #: D002472 MONTHLY COST CONTROL REPORT Date Prepared: 07/09/96  
 Site Name: NORTH LAWRENCE OIL DUMP SUMMARY OF FISCAL INFORMATION Billing Period:  
 Work Assignme D002472-26 Task #/Name: 01 DETAILED WORK PLAN Invoice #:  
 Complete: 0.0%

	A	B	C	D	E	F	G	H	
	Expenditure Category	Costs Claimed This Period	Paid To Date	Total Disallowed To Date	Total Costs Incurred To Date (A+B+C)	Estimated Costs To Completion	Estimated Total Work Assignment Price (A+B+E)	Approved Budget	Estimated Under/Over (G-F)
1.	Direct Salary Costs	0.00	0.00	0.00	0.00	0.00	0.00	2840.62	0.00
2.	Indirect Costs 159.3%	0.00	0.00	0.00	0.00	0.00	0.00	4525.11	0.00
3.	Subtotal Direct Salary Costs and Indirect Costs	0.00	0.00	0.00	0.00	0.00	0.00	7365.73	0.00
4.	Travel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.	Other Non-Salary Costs	0.00	0.00	0.00	0.00	0.00	0.00	500.00	0.00
6.	Subtotal Direct Non-Salary Costs	0.00	0.00	0.00	0.00	0.00	0.00	500.00	0.00
7.	Subcontractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.	Total Contract Cost	0.00	0.00	0.00	0.00	0.00	0.00	7865.73	0.00
9.	Fixed Fee 8%	0.00	0.00	0.00	0.00	0.00	0.00	589.26	0.00
10.	Total Contract Price	0.00	0.00	0.00	0.00	0.00	0.00	8454.99	0.00

Program Manager \_\_\_\_\_ Date \_\_\_\_\_

Date Prepared: 07/09/96  
 Billing Period:  
 Invoice #:

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

Engineer: ABB ENVIRONMENTAL SERVICES  
 Contract #: D002472  
 Site Name: NORTH LAWRENCE OIL DUMP  
 Work Assignme D002472-26  
 Task #/Name: 03 REVIEW OF CONTRACTORS SUBMISSIONS  
 Complete: 0.0%

	A	B	C	D	E	F	G	H
Expenditure Category	Costs Claimed This Period	Paid To Date	Total Disallowed To Date	Total Costs Incurred To Date (A+B+C)	Estimated Costs To Completion	Estimated Total Work Assignment Price (A+B+E)	Approved Budget	Estimated Under/Over (G-F)
1. Direct Salary Costs	0.00	0.00	0.00	0.00	0.00	0.00	2777.97	0.00
2. Indirect Costs 159.3%	0.00	0.00	0.00	0.00	0.00	0.00	4425.31	0.00
Subtotal Direct Salary Costs and Indirect Costs	0.00	0.00	0.00	0.00	0.00	0.00	7203.28	0.00
4. Travel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5. Other Non-Salary Costs	0.00	0.00	0.00	0.00	0.00	0.00	359.00	0.00
6. Subtotal Direct Non-Salary Costs	0.00	0.00	0.00	0.00	0.00	0.00	359.00	0.00
7. Subcontractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8. Total Contract Cost	0.00	0.00	0.00	0.00	0.00	0.00	7562.28	0.00
9. Fixed Fee 8%	0.00	0.00	0.00	0.00	0.00	0.00	576.26	0.00
10. Total Contract Price	0.00	0.00	0.00	0.00	0.00	0.00	8138.54	0.00

Date

Program Manager

**Engineer:** ABB ENVIRONMENTAL SERVICES  
**Contract #:** D002472  
**Site Name:** NORTH LAWRENCE OIL DUMP  
**Work Assignme** D002472-26  
**Task #/Name:** 05 FINAL REMEDIATION REPORT  
**Complete:** 0.0%

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

**Page** 6 OF 8  
**Date Prepared:** 07/09/96  
**Billing Period:**  
**Invoice #:**

	A	B	C	D	E	F	G	H
	Costs Claimed This Period	Paid To Date	Total Disallowed To Date	Total Costs Incurred To Date (A+B+C)	Estimated Costs To Completion	Estimated Total Work Assignment Price (A+B+E)	Approved Budget	Estimated Under/Over (G-F)
1.	Direct Salary Costs	0.00	0.00	0.00	0.00	0.00	2214.40	0.00
2.	Indirect Costs 159.3%	0.00	0.00	0.00	0.00	0.00	3527.54	0.00
3.	Subtotal Direct Salary Costs and Indirect Costs	0.00	0.00	0.00	0.00	0.00	5741.94	0.00
4.	Travel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.	Other Non-Salary Costs	0.00	0.00	0.00	0.00	0.00	1824.00	0.00
6.	Subtotal Direct Non-Salary Costs	0.00	0.00	0.00	0.00	0.00	1824.00	0.00
7.	Subcontractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.	Total Contract Cost	0.00	0.00	0.00	0.00	0.00	7565.94	0.00
9.	Fixed Fee 8%	0.00	0.00	0.00	0.00	0.00	459.36	0.00
10.	Total Contract Price	0.00	0.00	0.00	0.00	0.00	8025.29	0.00

Program Manager \_\_\_\_\_ Date \_\_\_\_\_

Engineer: ABB ENVIRONMENTAL SERVICES SCHEDULE 2.11(g) Page 8 OF 8  
 Contract #: D002472 Date Prepared: 07/09/96  
 Site Name: NORTH LAWRENCE OIL DUMP MONTHLY COST CONTROL REPORT  
 Work Assignme D002472-26 SUMMARY OF FISCAL INFORMATION  
 Task #/Name: 07 BIOLOGICAL WETLANDS MONITORING Invoice #:  
 Complete: 0.0%

	A	B	C	D	E	F	G	H
Expenditure Category	Costs Claimed This Period	Paid To Date	Total Disallowed To Date	Total Costs Incurred To Date (A+B+C)	Estimated Costs To Completion	Estimated Total Work Assignment Price (A+B+E)	Approved Budget	Estimated Under/Over (G-F)
1. Direct Salary Costs	0.00	0.00	0.00	0.00	0.00	0.00	9468.07	0.00
2. Indirect Costs 159.3%	0.00	0.00	0.00	0.00	0.00	0.00	15082.64	0.00
3. Subtotal Direct Salary Costs and Indirect Costs	0.00	0.00	0.00	0.00	0.00	0.00	24550.71	0.00
4. Travel	0.00	0.00	0.00	0.00	0.00	0.00	2134.00	0.00
5. Other Non-Salary Costs	0.00	0.00	0.00	0.00	0.00	0.00	2197.20	0.00
6. Subtotal Direct Non-Salary Costs	0.00	0.00	0.00	0.00	0.00	0.00	4331.20	0.00
7. Subcontractors	0.00	0.00	0.00	0.00	0.00	0.00	6310.00	0.00
8. Total Contract Cost	0.00	0.00	0.00	0.00	0.00	0.00	35191.91	0.00
9. Fixed Fee 8%	0.00	0.00	0.00	0.00	0.00	0.00	1964.06	0.00
10. Total Contract Price	0.00	0.00	0.00	0.00	0.00	0.00	37155.96	0.00

Program Manager \_\_\_\_\_ Date \_\_\_\_\_

Engineer: ABB ENVIRONMENTAL SERVICES  
 Contract #: D002472  
 Site Name: NORTH LAWRENCE OIL DUMP  
 Work Assignment #: D002472-28

Date Prepared: 07/09/96  
 Billing Period:  
 Invoice #:

MONTHLY COST CONTROL REPORT: SCHEDULE 2.11(h)  
 SUMMARY OF LABOR HOURS  
 NUMBER OF DIRECT LABOR HOURS EXPENDED TO DATE/  
 ESTIMATED NUMBER OF DIRECT LABOR HOURS TO COMPLETION

LABOR CLASS.	IX		VIII		VII		VI		V		IV		III		II		I		TOTAL NO. OF DIR LABOR HOURS		
	EXP	EST	EXP	EST	EXP	EST	EXP	EST	EXP	EST	EXP	EST	EXP	EST	EXP	EST	EXP	EST	EXP	EST	
TASK 1 DETAILED WORK PLAN	0.0	0	0.0	6	0.0	0	0.0	34	0.0	38	0.0	0	0.0	0	0.0	0	0.0	16	0.0	94	0.0
TASK 2 - ATTEND MEETINGS	0.0	0	0.0	4	0.0	36	0.0	146	0.0	0	0.0	0	0.0	0	0.0	18	0.0	20	0.0	224	0.0
TASK 3-REVIEW OF CONTR. SUBM.	0.0	0	0.0	2	0.0	0	0.0	40	0.0	30	0.0	0	0.0	15	0.0	2	0.0	2	0.0	91	0.0
TASK 4 - PROJECT OBSERVATION	0.0	0	0.0	10	0.0	40	0.0	208	0.0	24	0.0	64	0.0	0	0.0	1355	0.0	36	0.0	1737	0.0
TASK 5 - FINAL REMEDIATION REPORT	0.0	0	0.0	4	0.0	4	0.0	16	0.0	0	0.0	40	0.0	0	0.0	2	0.0	14	0.0	80	0.0
TASK 6 - O&M PROGRAM	0.0	0	0.0	4	0.0	4	0.0	32	0.0	24	0.0	0	0.0	0	0.0	2	0.0	14	0.0	80	0.0
TASK 6-BIO. WETLANDS MON.	0.0	0	0.0	7	0.0	0	0.0	107	0.0	98	0.0	0	0.0	0	0.0	113	0.0	12	0.0	337	0.0
<b>TOTAL PROJECT</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>37</b>	<b>0.0</b>	<b>84</b>	<b>0.0</b>	<b>583</b>	<b>0.0</b>	<b>214.0</b>	<b>0.0</b>	<b>104.0</b>	<b>0.0</b>	<b>15.0</b>	<b>0.0</b>	<b>1492.0</b>	<b>0.0</b>	<b>114.0</b>	<b>0.0</b>	<b>2643</b>	<b>0.0</b>

Labor Classification Key:

- IX: Principal, Vice President
- VIII: Senior Project Manager, Division Manager, Senior Consultant
- VII: Senior Engineer, Senior Scientist, Project Manager
- VI: Senior Engineer, Senior Scientist
- V: Engineer/Scientist, Senior Scientist
- IV: Engineer/Scientist
- III: Junior Engineer/Junior Scientist
- II: Junior Engineer/Junior Scientist, Senior Technician
- I: Technician

