

January 24, 2000

Mr. Dan Vesco  
Triangle Electric  
1080 Military Turnpike  
Plattsburgh, New York 12901

**Subject: Request for Bid – Construction Services**  
**Philmar Electronics Site**  
**NYS DEC Site No. 5-10-008**  
**Earth Tech Project No. 35062.02**

Dear Mr. Vesco:

Earth Tech of New York, Inc. (Earth Tech), under contract with the New York State Department of Environmental Conservation (NYS DEC), is designing and constructing a groundwater recirculation system at the Philmar Electronics Site located in Plattsburgh, New York. Earth Tech is soliciting bids from subcontractors to all provide labor, materials, and equipment to provide a complete and proper installation of the groundwater recirculation system.

Telephone

518.458.1313

Facsimile

518.458.2472

#### Scope of Work

1. The subcontractor shall pump out the existing septic tank and refurbish the septic tank as shown on the contract drawings.
2. The subcontractor shall provide 2 GAC 55-gallon drums for treatment of the groundwater currently contained in the pump station. The pump station shall be dewatered and the influent flow temporarily stopped to facilitate construction. The pump stations shall be rehabilitated as shown on the contract drawings.
3. The subcontractor shall furnish and install all conduit and wiring as shown on the contract drawings. The subcontractor shall be responsible for the installation of the control panel.
4. The subcontractor shall remove the existing piping as shown and install new PVC piping as indicated on the contract drawings.
5. The subcontractor shall be responsible for coordination with the local power supply and telephone companies for final connections and following all applicable federal, state, and local codes, regulations and guidelines.
6. The subcontractor shall be responsible for conformance with all OSHA and New York State Department of Labor safety guidelines and regulations for activities on site. Earth Tech's site representative will be responsible directing site safety activities.

E A R T H  T E C H

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## **Payment Conditions**

### *Lump Sum Bid*

Payment will be based on a lump sum as defined in the enclosed bid form. The subcontractor shall abide by conditions set forth in Earth Tech's standard subcontractor agreement and by the conditions under the Standby Agreement between the NYS DEC and Earth Tech. Copies of Appendix A and B of the Standby Agreement have been included for your records, as well as a copy of an Earth Tech Standard Subcontract.

### *Alternative Hourly Rates*

Earth Tech is requesting hourly rates for an electrician and laborer for any "out of scope" work, Earth Tech directs the contractor to do on site. Out of scope work shall exclude all work shown, described or otherwise implied by the contract drawings.

It is the responsibility of the subcontractor to list the hourly rates of any additional personnel that may be required to complete out of scope work on the bid form. Additional sheets may be attached as required, if enough room has not been provided. All existing apparatus indicated on the contract drawings to be reused, shall be reused. However, all items deemed inoperable that must be replaced, shall be considered out of scope and a change order will be issued as agreed upon by Earth Tech, the NYS DEC and the subcontractor.

All purchases for the replacement of equipment shall be marked up only five percent (5%) and the subcontractor shall provide proof of purchase and pricing back up.

## **Pre Bid Meeting**

It is the responsibility of the subcontractor to be familiar with all site conditions prior to submitting a reasonable bid. A mandatory pre-bid meeting will be held on site at 11:00 am on January 27, 2000. Directions to the site can be obtained by calling our office at the number listed below. All existing facilities and equipment can be viewed at this time.

## **Bid Submission Deadline**

All bids must be received by the end of business (5:00 pm) on Friday, February 11, 2000. Faxed



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quotes will be accepted, however, the bid must be in both writing and figures; in case of conflict, the written amount shall govern.

Bids shall be submitted on the Contractor's letterhead. They shall be valid and subject to disposition by Earth Tech for a period of ninety (90) calendar days after the bid due date.

If you have any questions please do not hesitate to contact this office at (518) 435-7275, so that I may be of assistance.

Very truly yours,

Earth Tech, Inc.



Robert E. Ostapczuk  
Environmental Engineer

Enclosures

Cc: Mr. Daniel Steenberge, P.E., NYS DEC  
Mr. Edward Alusow, Earth Tech  
Mr. Charles Bartlett, P.E. Earth Tech

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E A R T H  T E C H

A tyco INTERNATIONAL LTD. COMPANY

**Remedial Reconstruction**

**Work Plan**

**Philmar Electronics Site**

**Site No. 5-10-008**

**Work Assignment Number:**

**D003821-12**

**Prepared For:**

**SUPERFUND STANDBY PROGRAM**

**New York State**

**Department of Environmental Conservation**

**50 Wolf Road**

**Albany, New York 12233-7010**

**Submitted by:**

**Earth Tech Environment and Infrastructure, Inc.**

**12 Metro Park Road**

**Albany, New York 12205**

**April 16, 2000**

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## **1.0 INTRODUCTION**

### **1.1 General**

This Document is the Work Plan for performance of reconstruction of the recirculation system for the Philmar Electronics Reconstruction Contract. This work is being performed under Work Assignment (W.A.) No. D003821-12 of the State Superfund Standby contract between the New York State Department of Environmental Conservation (NYDEC or the Department) and Earth Tech Environment and Infrastructure, Inc. (formerly Rust Environment and Infrastructure).

The purpose of this work plan is to outline the activities, schedule, budget, and level of effort to be undertaken as part of this Work Assignment, and to identify the anticipated utilization of Minority and Women's Business Enterprises (M/WBE).

The Work Assignment is to design, construct, and start-up a groundwater recirculating system using the existing pump station, piping, leachfield and all other remaining appurtenances. This project will entail, but is not limited to, connecting the recirculation force main to the equalization tank/leach field, designing and installing a pump station control panel, installing and/or reconnecting control switches, resupplying power to the site and system startup.

The Work Assignment includes:

- Task 1: Development of Detailed Work Plan
- Task 2: Redesign of System
- Task 3: Construction Subcontract/Inspection
- Task 4: System Start-up/6 Month System Operation/Sample Analysis

### **1.2 Site History**

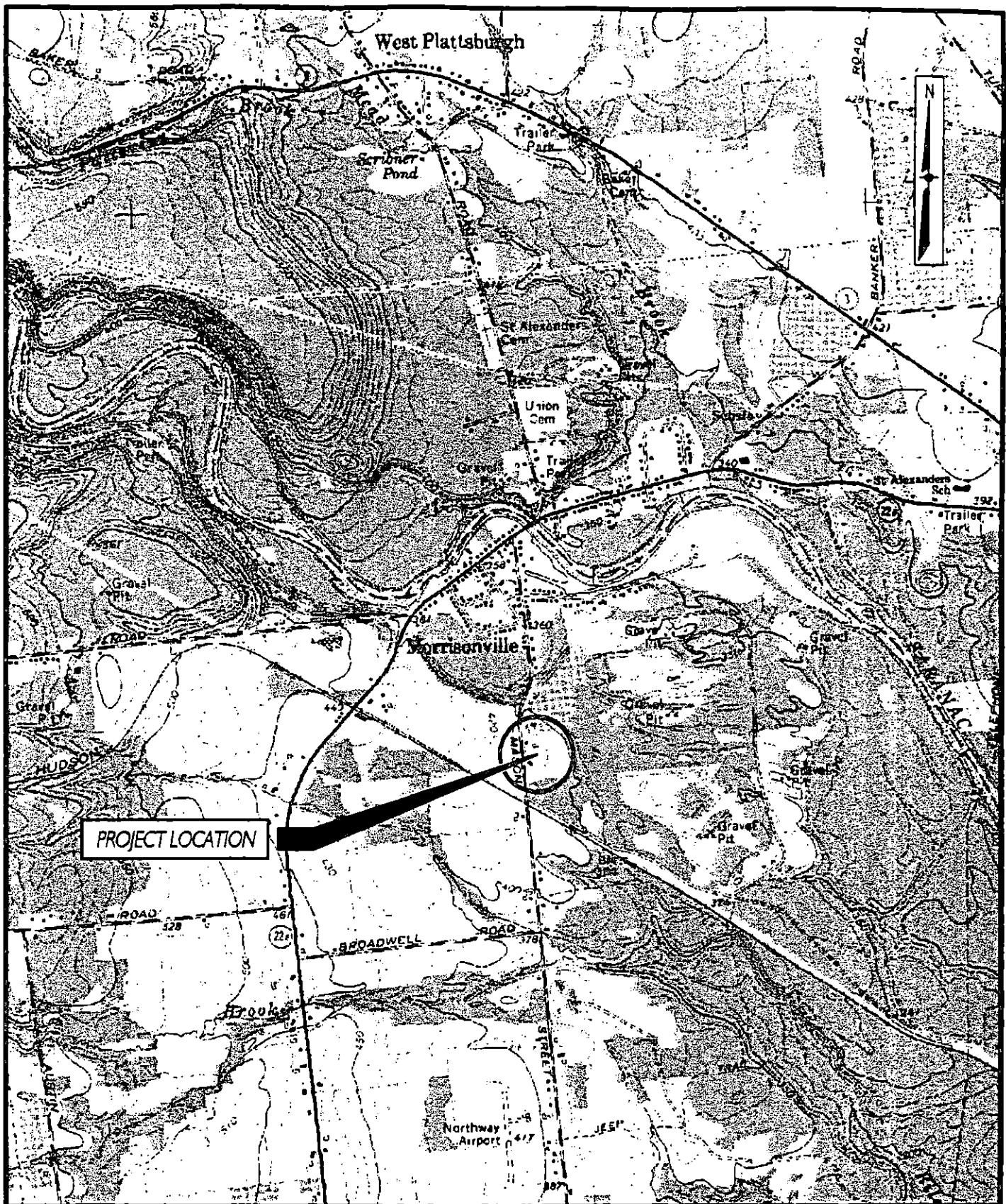
On March 31, 1993, the New York State Department of Environmental Conservation (NYSDEC) issued a Record of Decision (ROD) for the Philmar Electronics Site (ID# 5-10-008) located in the Township of Schuyler Falls, Clinton County, New York. The ROD presented the remedial actions selected by the NYSDEC as being the most appropriate for the site based on findings of the Remedial Investigation and Feasibility Study (RI/FS) completed in October 1992 and December 1992, respectively.

The selected remedy included extraction of the contaminated groundwater via a collection trench, on-site treatment of the contaminated groundwater through a system that includes an air stripper and activated carbon treatment, and an on-site discharge of treatment system effluent for reinjection and long-term monitoring using an upgradient leach field. The contractor installed the groundwater collection and recharge system through the months of September and December of 1995. In February

of 1996, Rust Environment and Infrastructure, predecessor to Earth Tech, prepared an Operation, Maintenance and Monitoring Plan under a NYDEC State Superfund Standby Program Work Assignment. Under the Work Assignment, Rust performed the O&M necessary at the site. On February 25, 1997, the treatment building and system burned to the ground. The groundwater collection system and other underground appurtenances are all that remain intact. After the fire, a review of the data indicated that the goals of the remedial program may have been reached, and the NYSDEC personnel continued groundwater monitoring at the site. In the spring of 1998, leachate was found to be seeping into the south end of the collection trench. The levels of contaminants in the trench leachate are such that continued remediation is necessary. Data collected during prior operation of the treatment system shows that recirculation of the leachate should prevent releases of leachate to the surface and will likely provide treatment via biological action in the leach field. The site will continue to be monitored to assess the effectiveness of the recirculation.

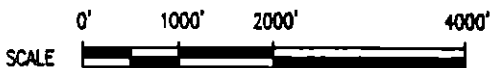
### **1.3 Site Location and Description**

The Philmar Electronics Site is located on Mason Street in Morrisonville, which is in the Township of Schuyler Falls, Clinton County, New York (Figure 1). The 7.2 acre site houses an active scrap/salvage yard. The western and southern portions of the site consist of various piles of metal scrap and debris, while the northeastern portion of the site contained the drum burial area. A number of 55 gallon drums containing liquid wastes were buried at the site, some of which had their contents emptied on the ground prior to burial. An apple orchard surrounds the site to the north, a gravel pit and wooded areas to the east and farmlands to the south and west. Residential areas exist immediately to the north, south, and west of the site. The Saranac River is approximately 3,000 feet north and east of the site.



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A  INTERNATIONAL LTD. COMPANY



## SITE PLAN

PHILMAR ELECTRONICS REMEDIATION  
TOWN OF MORRISONVILLE, N.Y.

MAP REFERENCE : U.S.G.S. 7.5 MINUTE SERIES  
MORRISONVILLE QUADRANGLE

APRIL 1999

PROJ: 35062

FILE NAME: 35062-1.DWG IMAGE: X.TIF PLOT DATE: 04-15-1999



## **2.0 SCOPE OF WORK**

Section 2.0 of this Work Plan describes the activities relative to tasks to be performed under the Work Assignment. The scope for each task is described in detail in support of the budget estimates provided in Section 6.0.

### **2.1 Task 1 – Remedial Reconstruction Work Plan**

This task will involve all activities relating to preparation of this Remedial Reconstruction Work Plan. Preparation of this work plan is included in the detailed breakdown of the estimated cost and level of effort.

The purpose of this Work Plan is to:

- 1) Provide information to support Earth Tech's level of effort estimates in the project budget;
- 2) Present a plan that includes, at a minimum, a Statement of Work (which includes a description and purpose of the major tasks and sub-tasks), a schedule of work, a staffing plan, a MBE/WBE and Equal Employment Opportunity (EEO) Utilization Plan, and a proposed list of subcontractors.

### **2.2 Task 2 – Redesign of the System**

This task will involve the redesigning of the system using all salvageable parts and equipment from the original system, to recirculate groundwater from the collection trench to the leach field. The redesign will also include, supporting data, documentation and design calculations defining the functional aspects of the project. Three (3) copies of the preliminary plans and specifications will be submitted to authorized NYSDEC representatives for approval. This submittal will include preliminary plans, specifications and the outline of an engineering design report:

#### **2.2.1 Quality Assurance and Health and Safety Plans**

The original Quality Assurance Plan (QAP) and Health and Safety Plans (HSP) will be implemented with any minor modifications that may be necessary.

### **2.2.2 Final Design**

Comments received by the NYSDEC on the preliminary design will be incorporated into the final design documents. Contract documents and standard specifications will be provided by the NYSDEC and will be incorporated with technical specifications prepared by Earth Tech.

### **2.2.3 Project Cost Estimate**

Upon approval of the final design, detailed pre-construction cost estimates (if they vary from the Work Assignment Budget) of the project will be prepared. These estimates will include all necessary documentation, quantity take-offs and calculations to support the development of lump sum and unit prices.

## **2.3 Task 3 – Construction**

This activity includes the reconstruction of the recirculation system. This task will entail, but is not limited to, the connecting of the recirculation force main to the equalization tank/ leach field, the installation of a pump station control panel, the installation and/or reconnection of the control switches, and the resupplying of power to the site.

### **2.3.1 Construction Subcontract**

All work will be either performed or subcontracted out by Earth Tech under the contracted agreement with the NYSDEC.

### **2.3.2 Construction Inspection**

Earth Tech will provide on-site inspection services during the remedial activities and conduct all related activities. Earth Tech will inspect the work for conformance with the Contract Documents by providing experienced inspectors to inspect the construction activities. Earth Tech will also perform a continuous evaluation of Subcontractor's compliance with the progress schedule and efficiency of his operations. Earth Tech will also perform all on-site measurements for payment to the Subcontractor.

### **2.3.3 Construction Records and Reports**

The Resident Engineer will maintain complete and detailed records associated with all construction and related activities during the project duration. Inspectors will complete inspection reports. These records and reports include but are not limited to the following:

- Daily work completed and important conversations/decisions.
- Subcontractor's daily use of personnel, material and equipment.
- Unusual circumstances (weather conditions, labor disputes, environmental problems, health and safety hazards encountered, etc.)
- Work progress record in reference to the work schedule submitted by the Subcontractor and the production and efficiency of operations.
- General files including correspondence and other documentation related to the project.
- Job meeting minutes with documentation on resolution of issues raised.
- Telephone conversations.
- As-Built Drawings.

#### **2.3.4 Change Orders**

If necessary, Earth Tech will negotiate and develop change orders, following the Department's format, as required to complete the remedial work. A negotiation of the scope and the cost of a change order will be with the Department's participation and approval.

### **2.4 Task 4 – System Start-up – 6 Month Operation**

#### **2.4.1 Operation and Maintenance Program**

Earth Tech will develop an Operation and Maintenance Program (O&M) for the site. The O&M manual will be one complete document, which can stand alone and be easily implemented by individuals unfamiliar with the site. The relevant portions of documents referenced in the O&M manual (such as manufacturer's Operation and Maintenance Manual, shop drawings, engineers specifications documents, record drawings and relevant and appropriate requirements of Federal, State and local regulations and other documents) will be incorporated in the O&M manual as appropriate.

The overall scope of this task may include the following activities:

##### Sampling, Analysis and Reporting

- Groundwater (monitoring wells)
- Remedial influent

##### Treatment Facility Operation and Maintenance

- O&M manual development

- Equipment Maintenance and operation
- Pump and Control Repairs
- System Evaluation

Regular inspections will be made of the collection and treatment system to observe its operation and to perform routine maintenance.

Influent, effluent and groundwater samples will be collected and analyzed for volatile organic compounds (VOCs) using EPA Method 8260.

#### **2.4.2 Operation of System**

This task includes the operation and maintenance of the implemented remedy for 6 months as well as an evaluation of the system's efficiency.

#### **2.4.3 Contract Completion**

Earth Tech will conduct a final inspection to determine if all work is completed and meets the requirements of the contract documents. Earth Tech will coordinate the final inspections with the Department's project manager.

All project records (files, reports, documentation, etc.) will be delivered to the Department at the completion of the project including one (1) microfilm copy on 16 MM roll film M type cartridges and one copy of roll film only, not cartridge type.

### **3.0 PROJECT SCHEDULE**

This project schedule has an assumed assignment date of 3/17/99 to comply with the designated project schedule from the Work Assignment. Included is a project schedule which indicates the scope of activities identified for this project. Field oversight is tentative and subject to variability resulting from weather, equipment availability, and receipt of notice to proceed.

**Remediation Reconstruction - Project Schedule**  
**Philmar Electronics Remediation Reconstruction Project**

ID	Task Name	Duration	1999														
			Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar		
1	TASK 1 REMEDIAL RECONSTRUCTION WORK PLAN	30 edays															
2	TASK 2 REDESIGN OF THE SYSTEM	30 edays															
3	Notice to Proceed	0 days															
4	TASK 3 SYSTEM CONSTRUCTION	120 edays															
5	TASK 4 SYSTEM START-UP - 6 MONTH OPERATION	180 edays															

Project: Philmar-Sched  
Date: Mon 4/17/00

Task

Split

Progress

Milestone

Summary

Rolled Up Task

Rolled Up Split

Rolled Up Milestone

Rolled Up Progress

External Tasks

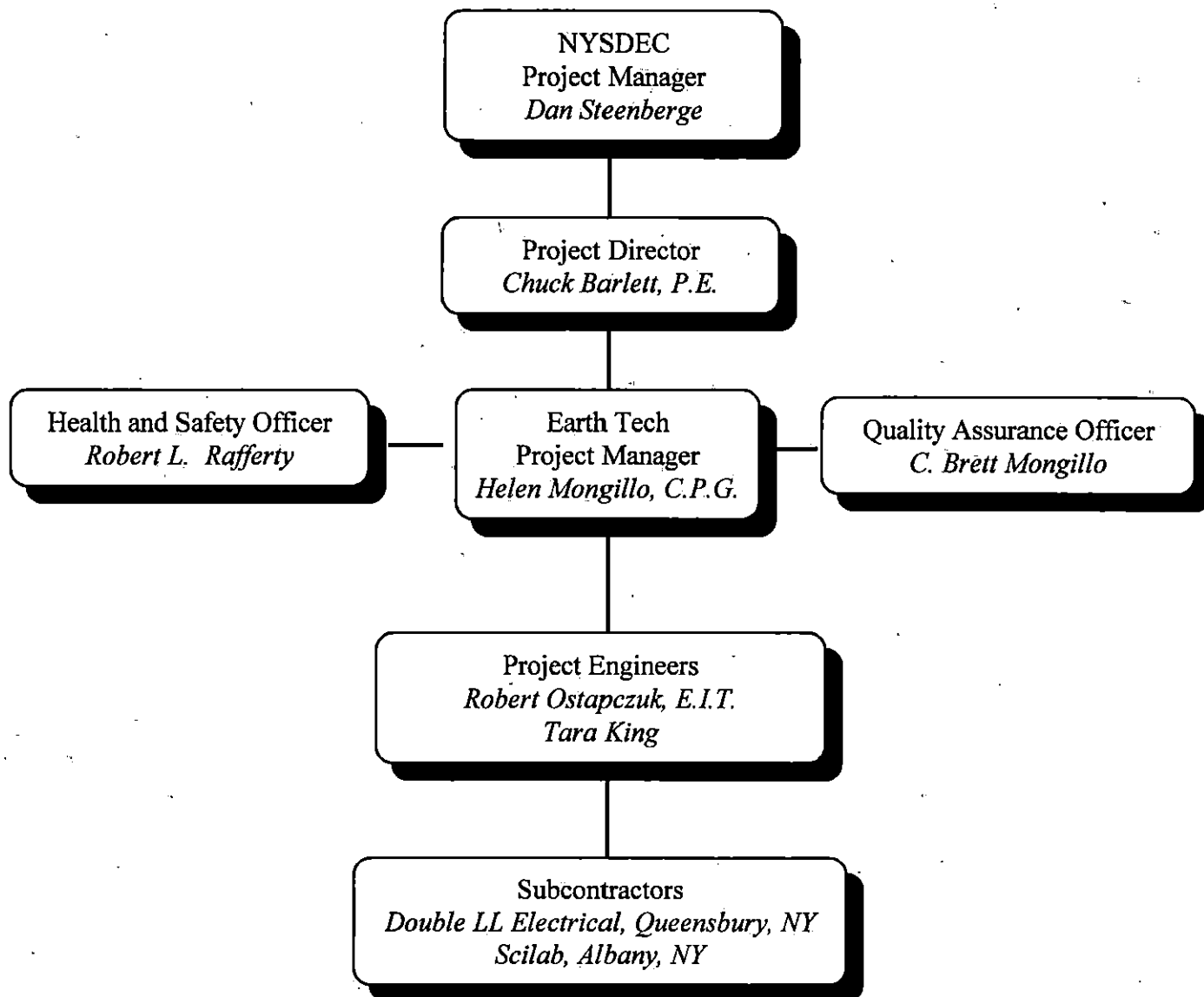
Project Summary

#### **4.0 PROJECT ORGANIZATION**

The following is an organization chart for this project. The Earth Tech project manager will have day to day responsibility for the performance of the work and will be the primary point of contact with the NYSDEC project manager.

# PROJECT ORGANIZATION CHART

**Philmar Electronics Site**  
**Remediation Reconstruction**  
**Work Assignment No. D003821-12**  
**Site ID No. 5-10-008**





## **5.0 SUBCONTRACTING AND M/WBE UTILIZATION PLAN**

Activities covered in this Work Plan will require subcontract services in the following areas:

### System Construction

- Electrical/Plumbing Services

### Operation and Maintenance

- Laboratory Analytical Services

Earth Tech reviewed New York State's Women- and Minority-Owned Business Enterprise database for construction contractors and laboratories. Several construction contractors were identified but were not interested in bidding on the work. Five bids were received for the construction work but none of these were MWBE.

The three ELAP approved laboratories were solicited for laboratory pricing and Scilab was selected as the low bidder. Since this procurement process was completed, Scilab's status as an MBE has come into question. Before the laboratory work is initiated, the legitimate MWBE laboratories will be contacted for pricing to determine if an MWBE low bidder can be obtained.

## **6.0 PROJECT BUDGET**

The following are a series of Schedule 2.11 forms which provide a detailed breakdown of each task of this work assignment.

Work Assignment No: D003821-12

Engineer: Earth Tech Environment and Infrastructure, Inc.

Site ID No: 5-10-008

Site Name: Philmar Electronics

Project No: 35062

Date Prepared: 4/17/00

# EARTH TECH ENVIRONMENT & INFRASTRUCTURE, INC.

## SCHEDULE 2.11(a)

### SUMMARY OF WORK ASSIGNMENT PRICE

1. ....	DIRECT SALARY COSTS (Schedules 2.10(a) and 2.11(b))	\$6,220.94												
2. ....	INDIRECT COSTS (Schedule 2.10(g))	\$9,704.66												
3. ....	DIRECT NON-SALARY COSTS (Schedules 2.10(d)(e)(f) and 2.11(c)(d))	\$2,058.50												
<p align="center">SUBCONTRACT COSTS COST-PLUS-FIXED-FEE SUBCONTRACTS (Schedule 2.10(e) and 2.11(e))</p> <table border="1"> <thead> <tr> <th>NAME OF SUBCONTRACTOR</th> <th>SERVICES TO BE PERFORMED</th> <th>SUBCONTRACT PRICE</th> </tr> </thead> <tbody> <tr> <td colspan="3"> </td> </tr> </tbody> </table>			NAME OF SUBCONTRACTOR	SERVICES TO BE PERFORMED	SUBCONTRACT PRICE									
NAME OF SUBCONTRACTOR	SERVICES TO BE PERFORMED	SUBCONTRACT PRICE												
4. ....	TOTAL COST-PLUS-FIXED-FEE SUBCONTRACTS	\$0.00												
<p align="center">UNIT PRICE SUBCONTRACTS (Schedule 2.10(f) and 2.11(f))</p> <table border="1"> <thead> <tr> <th>NAME OF SUBCONTRACTOR</th> <th>SERVICES TO BE PERFORMED</th> <th>SUBCONTRACT PRICE</th> </tr> </thead> <tbody> <tr> <td>SCILAB Lab</td> <td>Analytical Services</td> <td>\$3,750.00</td> </tr> <tr> <td>Double LL Electrical</td> <td>Construction Services</td> <td>\$28,025.00</td> </tr> <tr> <td colspan="3">(* Price does not include 3% subcontractor management fee - see line 6A)</td> </tr> </tbody> </table>			NAME OF SUBCONTRACTOR	SERVICES TO BE PERFORMED	SUBCONTRACT PRICE	SCILAB Lab	Analytical Services	\$3,750.00	Double LL Electrical	Construction Services	\$28,025.00	(* Price does not include 3% subcontractor management fee - see line 6A)		
NAME OF SUBCONTRACTOR	SERVICES TO BE PERFORMED	SUBCONTRACT PRICE												
SCILAB Lab	Analytical Services	\$3,750.00												
Double LL Electrical	Construction Services	\$28,025.00												
(* Price does not include 3% subcontractor management fee - see line 6A)														
5. ....	TOTAL UNIT PRICE SUBCONTRACTS	\$31,775.00												
6. ....	TOTAL SUBCONTRACT COSTS (Lines 4 + 5)	\$31,775.00												
6A. ....	SUBCONTRACT MANAGEMENT FEE	\$840.75												
7. ....	FIXED FEE (Schedule 2.10(h))	\$1,353.69												
8. ....	TOTAL WORK ASSIGNMENT PRICE (Lines 1 + 2 + 3 + 6 + 7)	\$51,953.54												

Work Assignment No: D003821-12  
 Engineer: Earth Tech Environment and Infrastructure, Inc.  
 Site ID No: 5-10-006

Site Name: Philmar Electronics  
 Project No: 35062  
 Date Prepared: 4/17/00

**EARTH TECH ENVIRONMENT & INFRASTRUCTURE, INC.**  
**NSPE**  
**SCHEDULE 2.11(b)**  
**DIRECT LABOR HOURS BUDGETED**  
**TOTAL**

LABOR CLASSIFICATION AVERAGE RAW LABOR RATE	IX	VIII	VII	VI	V	IV	III	II	I	LABOR HOURS	DIRECT LABOR
Task 1 - Work Plan Development	0.0	0.0	0.0	2.0	4.0	20.0	0.0	39.0	0.0	65.0	\$1,411.24
Task 2 - System Redesign	0.0	0.0	0.0	3.0	0.0	0.0	73.5	3.0	0.5	80.0	\$1,764.74
Task 3 - System Construction	0.0	0.0	1.0	0.0	5.0	0.0	10.0	40.0	2.0	58.0	\$1,195.02
Task 4 - System Start-up	0.0	0.0	2.0	0.0	10.0	0.0	24.0	48.0	2.0	86.0	\$1,849.94
<b>TOTAL LABOR HOURS</b>	0.0	0.0	3.0	5.0	19.0	20.0	107.5	130.0	4.5	289.0	
<b>TOTAL LABOR DOLLARS</b>	\$0.00	\$0.00	\$126.54	\$171.20	\$593.56	\$517.60	\$2,348.94	\$2,380.26	\$82.85		\$6,220.94

Work Assignment No: D003821-12  
 Engineer: Earth Tech Environment and Infrastructure, Inc.  
 Site ID No: 5-10-008

Site Name: Philmar Electronics  
 Project No: 35062  
 Date Prepared: 4/17/00

**EARTH TECH ENVIRONMENT & INFRASTRUCTURE, INC.**  
**NSPE**  
**SCHEDULE 2.11(b)**  
**DIRECT LABOR HOURS BUDGETED**  
**1999**

LABOR CLASSIFICATION AVERAGE RAW LABOR RATE	IX \$53.01	VIII \$47.94	VII \$40.95	VI \$34.24	V \$30.33	IV \$25.88	III \$21.41	II \$17.94	I \$17.93	LABOR HOURS	DIRECT LABOR
Task 1 - Work Plan Development				2.0		20.0		38.0		60.0	\$1,267.80
Task 2 - System Redesign				3.0			33.5	3.0	0.5	40.0	\$882.74
Task 3 - System Construction										0.0	\$0.00
Task 4 - System Start-up											\$0.00
TOTAL LABOR HOURS	0	0	0	5	0	20	33.5	41	0.5	100.00	
TOTAL LABOR DOLLARS	\$0.00	\$0.00	\$0.00	\$171.20	\$0.00	\$517.60	\$717.24	\$735.54	\$8.97		\$2,150.54

**DIRECT LABOR HOURS BUDGETED**  
**2000**

LABOR CLASSIFICATION AVERAGE RAW LABOR RATE	IX \$54.60	VIII \$49.38	VII \$42.18	VI \$35.26	V \$31.24	IV \$26.66	III \$22.05	II \$18.48	I \$18.47	LABOR HOURS	DIRECT LABOR
Task 1 - Work Plan Development					4.0			1.0		5.0	\$143.44
Task 2 - System Redesign							40.0			40.0	\$882.00
Task 3 - System Construction			1.0		5.0		10.0	40.0	2.0	58.0	\$1,195.02
Task 4 - System Start-up			2.0		10.0		24.0	48.0	2.0	86.0	\$1,849.94
TOTAL LABOR HOURS	0.0	0.0	3.0	0.0	19.0	0.0	74.0	89.0	4.0	189.0	
TOTAL LABOR DOLLARS	\$0.00	\$0.00	\$126.54	\$0.00	\$593.56	\$0.00	\$1,631.70	\$1,644.72	\$73.88		\$4,070.40

Work Assignment No: D003821-12

Engineer: Rust Environment & Infrastructure of New York, P.C.

Site ID No: 5-10-008

Site Name: Philmar Electronics

Project No: 35062

Date Prepared: 4/17/00

**EARTH TECH ENVIRONMENT & INFRASTRUCTURE, INC.**

**SCHEDULE 2.11(b-1)**

**DIRECT ADMINISTRATIVE LABOR HOURS BUDGETED**

LABOR CLASSIFICATION AVERAGE RAW LABOR RATE	IX \$50.32	VIII \$47.88	VII \$39.87	VI \$32.46	V \$28.65	IV \$25.41	III \$20.48	II \$16.63	I \$11.97	LABOR HOURS	DIRECT LABOR
Task 1 - Work Plan Development								2.00		2.00	\$33.26
Task 2 - System Redesign					1.00			2.00		3.00	\$61.91
Task 3 - System Construction					1.00			2.00		0.00	\$61.91
Task 4 - System Start-up					2.00			4.00		6.00	\$123.82
<b>TOTAL LABOR HOURS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>0</b>	<b>11</b>	<b>\$280.90</b>

**EARTH TECH ENVIRONMENT & INFRASTRUCTURE, INC.**  
**SCHEDULE 2.11(c)**  
**DIRECT NON-SALARY COSTS**

ITEM	MAXIMUM REIMBURSEMENT RATE	UNIT	ESTIMATED NUMBER OF UNITS	TOTAL ESTIMATED COST
<b>A. In-House Costs</b>				
Level D Equipment	\$13.00	Day	0	\$0.00
Level C Equipment	\$27.00	Day	0	\$0.00
			<b>Subtotal:</b>	<b>\$0.00</b>
<b>B. Miscellaneous</b>				
<b>Travel Costs</b>				
Task 1 - Work Plan				
a. Mileage (one round trip to site)	\$0.3150	Miles	300	\$94.50
b. Shipping (Fed Ex)	Cost	Lump Sum	1	\$50.00
			Task 1 - Total	<b>\$144.50</b>
Task 2 - Redesign				
a. Shipping (Fed Ex)	Cost	Lump Sum	1	\$70.00
			Task 2 - Total	<b>\$70.00</b>
Task 3 - Construction Oversight				
a. Mileage (2 round trips)	\$0.3150	Miles	600	\$189.00
b. Lodging	\$50.00	Day	5	\$250.00
c. Meals	\$34.00	Day	5	\$170.00
d. Misc. (disposable supplies)	Cost	Lump Sum	1	\$50.00
			Task 3 - Total	<b>\$659.00</b>
Task 4- Start-up and Operation				
a. Mileage (6 round trips)	\$0.3150	Miles	1,800	\$567.00
b. Lodging	\$50.00	Day	3	\$150.00
c. Meals	\$34.00	Day	3	\$102.00
d. Shipping (Fed Ex, Samples)	Cost	Lump Sum	1	\$300.00
			Task 4 - Total	<b>\$1,119.00</b>
			<b>Subtotal:</b>	<b>\$1,992.50</b>
			<b>Total:</b>	<b>\$1,992.50</b>

Work Assignment No: D003821-12

Engineer: Earth Tech Environment and Infrastructure, Inc.

Site ID No: 5-10-008

Site Name: Philmar Electronics

Project No: 35062

Date Prepared: 4/17/00

**EARTH TECH ENVIRONMENT & INFRASTRUCTURE, INC.**  
**SCHEDULE 2.11(d)2**  
**MAXIMUM REIMBURSEMENT RATES FOR**  
**CONSULTANT/SUBCONSULTANT-OWNED EQUIPMENT**

ITEM	PURCHASE PRICE (x 85%)	USAGE RATE (\$/Unit of Time)	ESTIMATED USAGE (Unit of Time)	ESTIMATED USAGE COST
<i>Task 3 - Construction Oversight</i> 1 Low Value Equipment (LVE) (assumes 40 hrs in field during oversight)		\$0.75 Hour	40.00	\$30.00
<i>Task 4 - Startup and Operation</i> 1 Low Value Equipment (LVE) (assumes 8 hrs per visit for 6 visits)		\$0.75 Hour	48.00	\$36.00
		<b>Total:</b>		<b>\$66.00</b>



Work Assignment No: D003821-12

Engineer: Earth Tech Environment and Infrastructure, Inc.

Site ID No: 5-10-008

Site Name: Philmar Electronics

Project No: 35062

Date Prepared: 4/17/00

**RUST ENVIRONMENT & INFRASTRUCTURE OF NEW YORK, INC.**  
**SCHEDULE 2.11(f)**  
**UNIT PRICE SUBCONTRACTS**

NAME OF SUBCONTRACTOR	SERVICES TO BE PERFORMED	SUBCONTRACT PRICE
SCILAB Lab	Analytical Services	\$3,750.00

Item	Maximum Reimbursement Rate (Specify Unit)	Estimated No. of Units	Total Estimated Costs
Analytical Services :			
Influent/Effluent VOCs (8260)	\$75.00	40	\$3,000.00
25% Contingency	\$75.00	10	\$750.00

Work Assignment No: D003821-12

Engineer: Earth Tech Environment and Infrastructure, Inc.

Site ID No: 5-10-008

Site Name: Philmar Electronics

Project No: 35062

Date Prepared: 4/17/00

**RUST ENVIRONMENT & INFRASTRUCTURE OF NEW YORK, INC.**  
**SCHEDULE 2.11(f)**  
**UNIT PRICE SUBCONTRACTS**

NAME OF SUBCONTRACTOR	SERVICES TO BE PERFORMED	SUBCONTRACT PRICE
Double LL Electrical	Construction Servcies	\$28,865.75

Item	Maximum Reimbursement Rate (Specify Unit)	Estimated No. of Units	Total Estimated Costs
Construction Services	Lump Sum	1	\$22,420.00
25% Contingency	Lump Sum	1	\$5,605.00
3% Subcontractor Management Fee	Lump Sum	1	\$840.75

Site Name: Philmar Electronics  
Project No: 35062  
Date Prepared: 4/17/00

LABOR CLASS	IX		VIII		VII		VI		V		IV		III		II		I		TOTAL NO. OF DIRECT LABOR HOURS	
	Exp.	Est.	Exp.	Est.	Exp.	Est.	Exp.	Est.	Exp.	Est.	Exp.	Est.	Exp.	Est.	Exp.	Est.	Exp.	Est.	Exp.	Est.
1		0.0		0.0		0.0		2.0		4.0		20.0		0.0		39.0		0.0		65.0
2		0.0		0.0		0.0		3.0		0.0		0.0		73.5		3.0		0.5		80.0
3		0.0		0.0		1.0		0.0		5.0		0.0		10.0		40.0		2.0		58.0
4		0.0		0.0		2.0		0.0		10.0		0.0		24.0		48.0		2.0		86.0
TOTAL		0.0		0.0		3.0		5.0		19.0		20.0		107.5		130.0		4.5		289.0

Work Assignment No: D003821-12

Engineer: Earth Tech Environment and Infrastructure, Inc.

Site ID No: S-10-008

Site Name: Philmar Electronics

Project No: 35062

Date Prepared: 4/17/00

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

Total Assignment

Page 1 of 5

Expenditure Category	A Costs Claimed This Period	B Paid To Date	C Total Disallowed To Date	D Total Costs Incurred To Date (A+B+C)	E Estimated Costs To Completion	F Estimated Total Work Assignment Price (A+B+E)	G Approved Budget	H Estimated Under/(Over) (G-F)
1 Direct Salary Costs							\$6,220.94	
2 Indirect Costs (156%)							\$9,704.66	
3 Subtotal Direct Salary Costs and Indirect Costs							\$15,925.60	
4 Travel							\$1,522.50	
5 Other Non- Salary Costs							\$536.00	
6 Subtotal Direct Non-Salary Costs							\$2,058.50	
7 Subcontractors							\$32,615.75	
8 Total Work Assignment Cost							\$50,599.85	
9 Fixed Fee							\$1,353.69	
10 Total Work Assignment Price							\$51,953.54	

Project Manager (Engineer)

Date

Work Assignment No: D003821-12

Engineer: Earth Tech Environment and Infrastructure, Inc.

Site ID No: S-10-008

Site Name: Philmar Electronics

Project No: 35062

Date Prepared: 4/17/00

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

Task 1 - Work Plan Development

Page 2 of 5.

Expenditure Category	A Costs Claimed This Period	B Paid To Date	C Total Disallowed To Date	D Total Costs Incurred To Date (A+B+C)	E Estimated Costs To Completion	F Estimated Total Work Assignment Price (A+B+E)	G Approved Budget	H Estimated Under/(Over) (G-F)
1 Direct Salary Costs							\$1,411.24	
2 Indirect Costs (156.4%)							\$2,201.53	
3 Subtotal Direct Salary Costs and Indirect Costs							\$3,612.77	
4 Travel							\$94.50	
5 Other Non-Salary Costs							\$50.00	
6 Subtotal Direct Non-Salary Costs							\$144.50	
7 Subcontractors							\$0.00	
8 Total Work Assignment Cost							\$3,757.27	
9 Fixed Fee							\$307.09	
10 Total Work Assignment Price							\$4,064.36	

Project Manager (Engineer)

Date

Work Assignment No: D003821-12

Engineer: Earth Tech Environment and Infrastructure, Inc.

Site ID No: 5-10-008

Site Name: Philmar Electronics

Project No: 35062

Date Prepared: 4/17/00

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

Task 2 - System Redesign

Page 3 of 5

Expenditure Category	A Costs Claimed This Period	B Paid To Date	C Total Disallowed To Date	D Total Costs Incurred To Date (A+B+C)	E Estimated Costs To Completion	F Estimated Total Work Assignment Price (A+B+E)	G Approved Budget	H Estimated Under/(Over) (G-F)
1 Direct Salary Costs							\$1,764.74	
2 Indirect Costs (156)							\$2,752.99	
3 Subtotal Direct Salary Costs and Indirect Costs							\$4,517.73	
4 Travel							\$0.00	
5 Other Non- Salary Costs							\$70.00	
6 Subtotal Direct Non-Salary Costs							\$70.00	
7 Subcontractors							\$0.00	
8 Total Work Assignment Cost							\$4,587.73	
9 Fixed Fee							\$384.01	
10 Total Work Assignment Price							\$4,971.74	

Project Manager (Engineer)

Date

Work Assignment No: D003821-12

Engineer: Earth Tech Environment and Infrastructure, Inc.

Site ID No: 5-10-008

Site Name: Philmar Electronics

Project No: 35062

Date Prepared: 4/17/00

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

Task 3 - System Construction

Page 4 of 5

Expenditure Category	A Costs Claimed This Period	B Paid To Date	C Total Disallowed To Date	D Total Costs Incurred To Date (A+B+C)	E Estimated Costs To Completion	F Estimated Total Work Assignment Price (A+B+E)	G Approved Budget	H Estimated Under/(Over) (G-F)
1 Direct Salary Costs							\$1,195.02	
2 Indirect Costs (156)							\$1,864.23	
3 Subtotal Direct Salary Costs and Indirect Costs							\$3,059.25	
4 Travel							\$609.00	
5 Other Non-Salary Costs							\$80.00	
6 Subtotal Direct Non-Salary Costs							\$689.00	
7 Subcontractors							\$28,865.75	
8 Total Work Assignment Cost							\$32,614.00	
9 Fixed Fee							\$260.04	
10 Total Work Assignment Price							\$32,874.04	

Project Manager (Engineer)

Date

Work Assignment No: D003821-12

Engineer: Earth Tech Environment and Infrastructure, Inc.

Site ID No: 5-10-008

Site Name: Philmar Electronics

Project No: 35062

Date Prepared: 4/17/00

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

Task 4 - System Start-up

Page 5 of 5

Expenditure Category	A Costs Claimed This Period	B Paid To Date	C Total Disallowed To Date	D Total Costs Incurred To Date (A+B+C)	E Estimated Costs To Completion	F Estimated Total Work Assignment Price (A+B+E)	G Approved Budget	H Estimated Under/(Over) (G-F)
1 Direct Salary Costs							\$1,849.94	
2 Indirect Costs (156)							\$2,885.91	
3 Subtotal Direct Salary Costs and Indirect Costs							\$4,735.85	
4 Travel							\$819.00	
5 Other Non- Salary Costs							\$336.00	
6 Subtotal Direct Non-Salary Costs							\$1,155.00	
7 Subcontractors							\$3,750.00	
8 Total Work Assignment Cost							\$9,640.85	
9 Fixed Fee							\$402.55	
10 Total Work Assignment Price							\$10,043.40	

Project Manager (Engineer)

Date