

RECEIVED  
CLERK'S OFFICE

STATE OF ILLINOIS  
Pollution Control Board


PCB 05-02  
(UST Appeal)

**CERTIFICATE OF SERVICE**

I, on oath state that I have served the attached Petition for Review of Illinois Environmental Protection Agency Decision by placing a copy in an envelope addressed to:

John Kim  
Special Assistant Attorney General  
Illinois Environmental Protection Agency  
1021 North Grand Avenue East  
P.O. Box 19276  
Springfield, Illinois 62794-9276

from One North Wacker Drive, Suite 4400, Chicago, Illinois, before the hour of 5:00 p.m., on this 29<sup>th</sup> Day September, 2004.

  
Carolyn S. Hesse

RECEIVED  
CLERK'S OFFICE

SEP 29 2004

STATE OF ILLINOIS  
Pollution Control Board

BEFORE THE POLLUTION CONTROL BOARD  
OF THE STATE OF ILLINOIS

KELLER OIL CO. / MOWEAQUA	)	
	)	
Petitioner,	)	
	)	
v.	)	PCB No. 05 <u>10</u>
	)	
ILLINOIS ENVIRONMENTAL	)	
PROTECTION AGENCY,	)	
	)	
Respondent.	)	

**PETITION FOR REVIEW OF ILLINOIS ENVIRONMENTAL  
PROTECTION AGENCY DECISION**

Keller Oil Co. / Moweaqua, by its attorney, Carolyn S. Hesse of Barnes & Thornburg, pursuant to the Illinois Environmental Protection Act, 415 ILCS 5/1 *et. seq.* (the "Act") and 35 Illinois Administrative Code Section 105.400 *et. seq.*, hereby appeals certain decisions by the Illinois Environmental Protection Agency (the "Agency").

1. Keller Oil Company ("Petitioner"), is the owner of a gasoline service station located at 201 South Main Street, Moweaqua, Shelby County, Illinois (the "Station"). This gasoline service station had underground storage tanks (UST's) on the property, which stored gasoline and diesel fuel.
2. LUST Incident Number 981937 was obtained following a site investigation. The site has also been assigned LPC #1734205006-Shelby County.
3. On May 12, 2004, Petitioner sent to the Agency a revised Corrective Action Plan Budget (the "Budget") to perform corrective action at the

Station. (See Exhibit 1.) The Agency received this document on May 13, 2004. The Budget included signed certifications to the effect that the submitted Budget complied with the Environmental Protection Act. (See Exhibit 1, 2<sup>nd</sup> page.)

4. On August 25, 2004, the Agency sent a letter to Petitioner rejecting the High Priority Corrective Action Plan Budget (the "Budget"). (See Exhibit 2.) The letter stated as follows:

The Illinois EPA previously notified the owner or operator of its final action. Further, in accordance with 57.7(c)(4) of the Act and 35 Ill. Adm. Code 732.503(f), the Illinois EPA's action to reject or require modification of the plan or budget, or the rejection of any plan or budget by operation of law, was subject to appeal to the Illinois Pollution Control Board within 35 days after the Illinois EPA's final action. Pursuant to Section 57.7(a)(1) and 57.7(c)(4)(D) of the Act and 35 Ill. Adm. Code 732.405(e) and 732.503(b), the associated budget is rejected for the following reason(s):

The budget is associated with the aforementioned plan.

Pursuant to 35 Ill. Adm. Code 732.401 the Illinois EPA requires submittal of a revised plan, and budget if applicable, within ninety (90) days of the date of this letter.

The letter then goes on to state that Petitioner has the right to appeal this decision to the Illinois Pollution Control Board.

5. The Agency's letter provides no additional information regarding why IEPA disapproved the Budget.
6. Petitioner is appealing the Agency's decision letter dated August 25, 2004.
7. Petitioner's submittal dated May 12, 2004 to the Illinois EPA included a detailed budget and in its cover letter for the Budget, the consultant for the Petitioner stated that:

[This filing submitted on recycled paper as defined in 35 Ill. Adm. Code 101.202]

The Revised CAP Budget is necessary due to the previously approved budget being insufficient to complete the approved plan. It has been determined that the requested amount will be necessary in order to complete the approved work in accordance with the regulations.

8. Section 732.405(e) provides as follows:
  - e) If, following approval of any groundwater monitoring plan, corrective action plan or associated budget plan, an owner or operator determines that revised procedures or cost estimates are necessary in order to comply with the minimum required activities for the site, the owner or operator shall submit, as applicable, an amended groundwater monitoring plan, corrective action plan or associated budget plan for review by the Agency. The Agency shall review and approve, reject or require modifications of the amended plan in accordance with the procedures contained in Subpart E of this Part.
9. Under the terms of Section 732.405(e), the Agency is required to review the revised Budget in accordance with the procedures contained in Subpart E of part 732. Illinois EPA has failed to perform the detailed review required by Subpart E, Section 732.505.
10. Petitioner has determined that revised cost estimates are necessary in order to comply with the minimum required activities for the site and that the costs IEPA previously approved are not adequate to allow Petitioner to comply with the Act or to perform the work described in the approved CAP.
11. Petitioner's costs to perform the work as set forth in the revised Budget are reasonable costs.

WHEREFORE, Keller Oil Co./Moweaqua respectfully requests that the Board enter an order requiring the Agency to approve the High Priority Corrective Action Plan Budget to allow Keller Oil Co./Moweaqua to cover the costs of the cleanup at this facility and for Keller Oil Co./Moweaqua's attorneys' fees and costs in bringing this appeal.

Respectfully submitted,

**Keller Oil Co./Moweaqua**

By: Carolyn S. Hesse  
One of Its Attorneys

Carolyn S. Hesse, Esq.  
Barnes & Thornburg LLP  
One North Wacker Drive  
Suite 4400  
Chicago, Illinois 60606  
(312) 357-1313  
238936v1

# CW<sup>3</sup>M Company

Environmental Consulting Services

701 W. South Grand Avenue  
Springfield, IL 62704

Phone: (217) 522-8001  
Fax: (217) 522-8009

May 12, 2004

Mr. Chris Covert, Project Manager  
LUST Section, Bureau of Land  
Illinois Environmental Protection Agency  
1021 North Grand Avenue East  
Springfield, Illinois 62794-9276

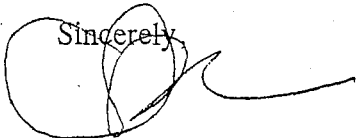
RE: LPC#1734205006—Shelby County  
Moweaqua/L. Keller Oil Properties, Inc./Moweaqua Shell  
201 South Main Street  
Incident No. 98-1937  
LUST Technical File— Revised Corrective Action Plan Budget

Dear Mr. Covert:

In response to your March 2, 2001, Corrective Action Plan (CAP) modifications made to the November 16, 2000, Corrective Action Plan Budget Modification, we are submitting this Revised CAP Budget reflecting your plan modifications as well as including some updated suppliers which will significantly reduce the projected costs versus our previous estimates. The Revised CAP Budget is necessary due to the previously approved budgets being insufficient to complete the approved plan. It has been determined that the requested amount will be necessary in order to complete the approved work in accordance with the regulations.

This budget is intended to replace all previously approved corrective action budgets. If you have any questions or require additional information, please contact Mr. Vince Smith or me at (217) 522-8001. On behalf of L. Keller Oil Properties, Inc., thank you for your assistance throughout this process.

Sincerely,

  
Carol Sinnott Rowe, P.G.  
Senior Environmental Geologist

xc: Mr. Charles Keller, *L. Keller Oil Properties, Inc.*  
Mr. William T. Sinnott, *CW<sup>3</sup>M Company, Inc.*

D:\CW3M Projects\Keller - Moweaqua\CAP\ rev budget cl.doc

EXHIBIT

tabbies

Illinois Environmental Protection Agency

Owner/Operator and Professional Engineer Budget Certification Form for  
Leaking Underground Storage Tanks Sites

In accordance with 415 ILCS 5/57, if an owner or operator intends to seek payment from the UST Fund, an owner or operator must submit to the Agency, for the Agency's approval or modification, a budget which includes an accounting of all costs associated with the implementation of the investigative, monitoring and/or corrective action plans.

I hereby certify that I intend to seek payment from the UST Fund for performing Corrective Action activities at Moweaqua Shell LUST site. I further certify that the costs set forth in this budget are necessary activities and are reasonable and accurate to the best of my knowledge and belief. I also certify that the costs included in this budget are not for corrective action in excess of the minimum requirements of 415 ILCS 5/57 and no costs are included in this budget which are not described in the corrective action plan. I further certify that costs ineligible for payment from the Fund pursuant to 35 Illinois Administrative Code Section 732.606 are not included in the budget proposal or amendment. Such ineligible costs include but are not limited to:

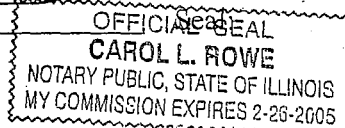
- Costs associated with ineligible tanks.
- Costs associated with site restoration (e.g., pump islands, canopies).
- Costs associated with utility replacement (e.g., sewers, electrical, telephone, etc.).
- Costs incurred prior to IEMA notification.
- Costs associated with planned tank pulls.
- Legal defense costs.
- Costs incurred prior to July 28, 1989.
- Costs associated with installation of new USTs or the repair of existing USTs.

Owner/Operator: L. Keller Oil Properties, Inc. Title: Charles F. Keller, President

Signature: [Signature] Date: 1/21/04

Subscribed and sworn to before me the 21<sup>st</sup> day of January, 2004  
(Budget Proposals and Budget Amendments must be notarized when the certification is signed.)

(Notary Public)



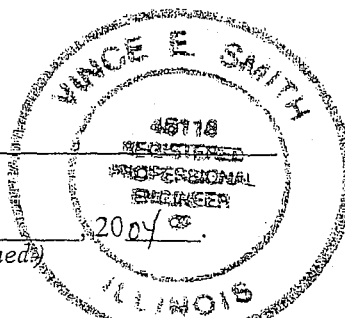
P.E.: Vince E. Smith

P.E. Signature: [Signature] Date: 5/12/04

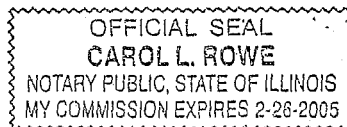
Subscribed and sworn to before me the 12<sup>th</sup> day of May, 2004  
(Budget Proposals and Budget Amendments must be notarized when the certification is signed.)

(Notary Public)

Seal:



The Agency is authorized to require this information under 415 ILCS 5/1. Disclosure of this information is required. Failure to do so may result in the delay or denial of any budget or payment requested hereunder. This form has been approved by the Forms Management Center.





### A. SITE INFORMATION

This form is being submitted as a:

\_\_\_\_\_ Billing Package for costs incurred pursuant to 35 Illinois Administrative Code (IAC), Part 732 ("New program").

This form is being submitted for the Site Activities indicated below (check one):

Other (indicate activities)

This form must be submitted in duplicate.

IEMA No. 98-1937

If eligible for reimbursement where should reimbursement checks be sent? Please note that only owners or operators of USTs may be eligible for reimbursement. Therefore, payment can only be made to an owner or operator.

Pay to the order of: L. Keller Oil Properties, Inc.Send in care of: CW3M Company, Inc.Address: P.O. Box 571City: Carlinville State: Illinois Zip: 62626

Number of Petroleum USTs in Illinois presently owned or operated by the owner or operator; any subsidiary, parent or joint stock company of the owner or operator, and any company owned by any parent, subsidiary or joint stock company of the owner or operator:

Fewer than 101: \_\_\_\_\_ 101 or more: XNumber of USTs at the site: 4 (Number of USTs includes USTs presently at the site and USTs that have been removed.)Number of incidents reported to IEMA: 1Incident Numbers assigned to the site due to releases from USTs: 98-1937

Please list all tanks which have ever been located at the site and are presently located at the site.

Product Stored	Size (gallons)	Did UST have a release?		Incident No.	Type of Release
<u>Gasoline</u>	<u>8,000</u>	<u>Yes</u>	<u>No</u>	<u>98-1937</u>	<u>Overfill/line leak</u>
<u>Gasoline</u>	<u>6,000</u>	<u>Yes</u>	<u>No</u>	<u>98-1937</u>	<u>Overfill/line leak</u>
<u>Gasoline</u>	<u>2,000</u>	<u>Yes</u>	<u>No</u>	<u>98-1937</u>	<u>Overfill/line leak</u>
<u>Used Oil</u>	<u>560</u>	<u>Yes</u>	<u>No</u>	<u>98-1937</u>	<u>Overfill/line leak</u>
_____	_____	<u>Yes</u>	<u>No</u>	_____	_____
_____	_____	<u>Yes</u>	<u>No</u>	_____	_____
_____	_____	<u>Yes</u>	<u>No</u>	_____	_____
_____	_____	<u>Yes</u>	<u>No</u>	_____	_____
_____	_____	<u>Yes</u>	<u>No</u>	_____	_____
_____	_____	<u>Yes</u>	<u>No</u>	_____	_____
_____	_____	<u>Yes</u>	<u>No</u>	_____	_____

A-2

This form must be submitted in duplicate.

## B. PROPOSED BUDGET SUMMARY AND BUDGET TOTAL

1. Investigation Costs:	\$	<u>11,340.00</u>
2. Analysis Costs:	\$	<u>18,595.00</u>
3. Personnel Costs:	\$	<u>137,030.00</u>
4. Equipment Costs:	\$	<u>645.00</u>
5. Field Purchases and Other Costs:	\$	<u>406,143.40</u>
6. Handling Charges:	\$	<u>13,505.16</u>

TOTAL PROPOSED BUDGET = \$ 587,258.57

## E. INVESTIGATION COSTS

Method I \_\_\_\_\_ Method II \_\_\_\_\_ Method III \_\_\_\_\_ Not Applicable X

1. **Drilling Costs** - This includes the costs for drilling labor, drill rig usage, and other drilling equipment. Borings which are to be completed as monitoring wells should be listed here. Costs associated with disposal of cuttings should not be included here. An indication must be made as to why each boring is being conducted (I.e., classification, monitoring wells, migration pathways).

12 borings to 15 feet = 180 feet to be bored for investigation/monitoring  
4 borings to 8 feet = 32 feet to be bored for investigation  
8 borings to 10 feet = 80 feet to be bored for investigation  
0 borings to 0 feet = 0 feet to be bored for \_\_\_\_\_  
0 borings to 0 feet = 0 feet to be bored for \_\_\_\_\_

Total Feet to be Bored: 292Borings: 292 feet x \$ 15.00 per foot = \$ 4,380.00 (or)Hours 0 x \$ 0 per hour = \$ 00 borings through 0 ft of bedrock = 0 Ft bedrock to be bored0 borings through 0 ft of bedrock = 0 Ft bedrock to be boredTotal Feet bedrock to be Bored: 0Borings: 0 Ft bedrock x \$ 0 per ft bedrock = \$ 0 (or)0 Hours x \$ 0 per Hour = \$ 03 # of Mobilizations @ \$ 260.00 per mobilization = \$ 780.00

Other Costs	Number of Units	Unit Cost	Total Cost
see attached "Other" sheet			

2. **Professional Services** (eg., P.E., geologist) - These costs must be listed in Section I, the Personnel section of the forms.

3. **Monitoring Well Installation Materials** - Costs listed must be costs associated with well casing, well screens, filter pack, annular seal, surface seal, well covers, etc. List the items below in a time and materials format.

Material	Number of Units	Unit Cost	Total Cost
15-foot monitoring well with 10-foot well	13	\$ 450.00	\$ 5,850.00
screen, PVC riser, flush mount manway, filter			0
pack, annular seal, and surface seal			0
			0
			0
			0
			0
			0
			0
			0
			0
			0
			0
			0
			0
		Total	\$ 5,850.00

4. **Disposal Costs** - This includes the costs for disposing of boring cuttings and any water generated while performing borings or installatin wells.

Disposal of Cuttings: 6 drums x \$ 55.00 per drum = \$ 330.00

Disposal of Water: 0 gallons x \$ 2.00 per gallon = \$ 0

Transportation Costs: \$ 0

Describe how the water/soil will be disposed: \_\_\_\_\_

**TOTAL INVESTIGATION COSTS :** \$ 11,340.00

## F. ANALYSIS COSTS

## INVESTIGATION &amp; CAP DEVELOPMENT

1. Physical Soil Analysis - This must only include analysis costs for classification of soil types at the site.

\_\_\_\_\_ Moisture Content samples x \$ \_\_\_\_\_ per sample = \$ \_\_\_\_\_ 0

\_\_\_\_\_ Soil Classification samples x \$ \_\_\_\_\_ per sample = \$ \_\_\_\_\_ 0

Indicate method to be performed: \_\_\_\_\_

\_\_\_\_\_ Soil Particle Size samples x \$ \_\_\_\_\_ per sample = \$ \_\_\_\_\_ 0

\_\_\_\_\_ Ex-situ Hydraulic Conductivity/Permeability samples

x \$ \_\_\_\_\_ per sample = \$ \_\_\_\_\_ 0

Indicate method to be performed: \_\_\_\_\_

\_\_\_\_\_ Rock Hydraulic Conductivity/Permeability samples

x \$ \_\_\_\_\_ per sample = \$ \_\_\_\_\_ 0

\_\_\_\_\_ Natural Organic Carbon Fraction (foc) samples

x \$ \_\_\_\_\_ per sample = \$ \_\_\_\_\_ 0

Indicate the ASTM or SW-846 method to be performed: \_\_\_\_\_

\_\_\_\_\_ samples x \$ \_\_\_\_\_ per sample = \$ \_\_\_\_\_ 0

\_\_\_\_\_ samples x \$ \_\_\_\_\_ per sample = \$ \_\_\_\_\_ 0

\_\_\_\_\_ samples x \$ \_\_\_\_\_ per sample = \$ \_\_\_\_\_ 0

\_\_\_\_\_ samples x \$ \_\_\_\_\_ per sample = \$ \_\_\_\_\_ 0

\_\_\_\_\_ samples x \$ \_\_\_\_\_ per sample = \$ \_\_\_\_\_ 0

2. Soil Analysis Costs - This must be for laboratory analysis only.

\_\_\_\_\_ 24 BTEX samples x \$ \_\_\_\_\_ 75.00 per sample = \$ \_\_\_\_\_ 1,800.00

\_\_\_\_\_ 24 PNA samples x \$ \_\_\_\_\_ 175.00 per sample = \$ \_\_\_\_\_ 4,200.00

\_\_\_\_\_ Total Lead samples x \_\_\_\_\_ per sample = \$ \_\_\_\_\_ -

_____ pH Samples x	\$ _____	per sample = \$ _____	-
_____ Paint Filter samples x	\$ _____	per sample = \$ _____	-
24 TCLP @ samples x	\$ 85.00	per sample = \$ _____	2,040.00
_____ Flash Point samples x	\$ _____	per sample = \$ _____	-
_____ Lab and/or Field Bank samples x	\$ _____	per sample = \$ _____	-
1 LUST Appendix B samples x	\$ 900.00	per sample = \$ _____	900.00
1 Waste Characterization samples x	\$ 400.00	per sample = \$ _____	400.00
_____ samples x	\$ _____	per sample = \$ _____	-
_____ samples x	\$ _____	per sample = \$ _____	-
_____ samples x	\$ _____	per sample = \$ _____	-

3. Groundwater Analysis Costs - This must be for laboratory analysis only.

13 BTEX samples x	\$ 75.00	per sample = \$ _____	975.00
13 PNA samples x	\$ 175.00	per sample = \$ _____	2,275.00
13 Total Lead samples x	\$ 20.00	per sample = \$ _____	260.00
_____ pH Samples x	\$ _____	per sample = \$ _____	0
_____ Lab and/or Field Blank samples x	\$ _____	per sample = \$ _____	-
_____ Flash Point samples x	\$ _____	per sample = \$ _____	0
1 Waste Characterization samples x	\$ 375.00	Per sample = \$ _____	375.00
_____ samples x	\$ _____	Per sample = \$ _____	-
_____ samples x	\$ _____	Per sample = \$ _____	-
_____ samples x	\$ _____	Per sample = \$ _____	-
_____ samples x	\$ _____	Per sample = \$ _____	-
_____ samples x	\$ _____	Per sample = \$ _____	-

TOTAL ANALYSIS COSTS = \$ \_\_\_\_\_ 13,225.00

**G. PERSONNEL****INVESTIGATION**

All personnel costs that are not included elsewhere in the budget/billing form must be listed here. Costs must be listed per task, not personnel type. The following are some examples of tasks: Drafting, data collection, plan, report, or budget preparation for CAP & (i.e., site classification work plan, 45 day report, or high priority corrective action budget), sampling, field oversight for CAP Dev. & (i.e., drilling/well installation, corrective action, or early action) of maintenance of Moweaqua. The above list is not inclusive of all possible tasks.

Environmental Engineer 16.75 hours x \$ 105.00 per hour = \$ 1,758.75  
(Title)

Task to be performed for the above hours: site investigation

Senior Env. Engineer 0 hours x \$ 115.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: site investigation

Senior Env. Geologist 24.5 hours x \$ 92.00 per hour = \$ 2,254.00  
(Title)

Task to be performed for the above hours: site investigation

General Project Manager 6.5 hours x \$ 100.00 per hour = \$ 650.00  
(Title)

Task to be performed for the above hours: site investigation

Env. Project Geologist 27.75 hours x \$ 81.00 per hour = \$ 2,247.75  
(Title)

Task to be performed for the above hours: site investigation

Env. Project Scientist 8 hours x \$ 81.00 per hour = \$ 648.00  
(Title)

Task to be performed for the above hours: site investigation

Engineering Technican 15.75 hours x \$ 55.00 per hour = \$ 866.25  
(Title)

Task to be performed for the above hours: site investigation

Laborer 0 hours x \$ 35.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: site investigation



**G. PERSONNEL****INVESTIGATION**

All personnel costs that are not included elsewhere in the budget/billing form must be listed here. Costs must be listed per task, not personnel type. The following are some examples of tasks: Drafting, data collection, plan, report, or budget preparation for CAP & (i.e., site classification work plan, 45 day report, or high priority corrective action budget), sampling, field oversight for CAP Dev.& (i.e., drilling/well installation, corrective action, or early action) of maintenance of Moweaqua. The above list is not inclusive of all possible tasks.

Technical Editor 0.25 hours x \$ 55.00 per hour = \$ 13.75  
(Title)

Task to be performed for the above hours: site investigation

Draftsman 0 hours x \$ 55.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: site investigation

Technical Coordinator 0.25 hours x \$ 65.00 per hour = \$ 16.25  
(Title)

Task to be performed for the above hours: site investigation

Administrative Assistant 10 hours x \$ 45.00 per hour = \$ 450.00  
(Title)

Task to be performed for the above hours: site investigation

Office Manager 0 hours x \$ 40.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: site investigation

Principal 0 hours x \$ 130.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: site investigation

Field Supervisor/Coordinator 0 hours x \$ 110.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: site investigation

Wastewater Trtmt. Operator 0 hours x \$ 100.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: site investigation

G-1a

This form must be submitted in duplicate.

**G. PERSONNEL****CAP DEVELOPMENT**

All personnel costs that are not included elsewhere in the budget/billing form must be listed here. Costs must be listed per task, not personnel type. The following are some examples of tasks: Drafting, data collection, plan, report, or budget preparation for CAP & (i.e., site classification work plan, 45 day report, or high priority corrective action budget), sampling, field oversight for CAP Dev.& (i.e., drilling/well installation, corrective action, or early action) of maintenance of Moweaqua. The above list is not inclusive of all possible tasks.

Environmental Engineer 52.25 hours x \$ 105.00 per hour = \$ 5,486.25  
(Title)

Task to be performed for the above hours: CAP Development

Senior Env. Engineer 0 hours x \$ 115.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: CAP Development

Senior Env. Geologist 9 hours x \$ 92.00 per hour = \$ 828.00  
(Title)

Task to be performed for the above hours: CAP Development

General Project Manager 3 hours x \$ 100.00 per hour = \$ 300.00  
(Title)

Task to be performed for the above hours: CAP Development

Env. Project Geologist 6.25 hours x \$ 81.00 per hour = \$ 506.25  
(Title)

Task to be performed for the above hours: CAP Development

Env. Project Scientist 0.25 hours x \$ 81.00 per hour = \$ 20.25  
(Title)

Task to be performed for the above hours: CAP Development

Engineering Technican 0 hours x \$ 55.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: CAP Development

Laborer 0 hours x \$ 35.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: CAP Development

Technical Editor 6 hours x \$ 55.00 per hour = \$ 330.00  
(Title)

Task to be performed for the above hours: CAP Development

Draftsman 13.5 hours x \$ 55.00 per hour = \$ 742.50  
(Title)

Task to be performed for the above hours: CAP Development

Technical Coordinator 0 hours x \$ 65.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: CAP Development

Administrative Assistant 3 hours x \$ 45.00 per hour = \$ 135.00  
(Title)

Task to be performed for the above hours: CAP Development

Office Manager 1 hours x \$ 40.00 per hour = \$ 40.00  
(Title)

Task to be performed for the above hours: CAP Development

Principal 0 hours x \$ 130.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: CAP Development

Field Supervisor/Coordinator 0 hours x \$ 110.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: CAP Development

Wastewater Trtmt. Operator 0 hours x \$ 100.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: CAP Development

\_\_\_\_\_ hours x \_\_\_\_\_ per hour = \$ -  
(Title)

Task to be performed for the above hours: \_\_\_\_\_

TOTAL PERSONNEL COSTS: \$ 17,293.00

## H. EQUIPMENT COSTS

## INVESTIGATION & CAP DEVELOPMENT

All equipment used must be listed below in a time and materials format. Handling charges should not be added here; use Section J.

[illegible]

H-1

This form must be submitted in duplicate

I. FIELD PURCHASES AND OTHER COSTS		INVESTIGATION & CAP DEVELOPMENT
1. Fuel	100.00	100.00
2. Lubricants	50.00	50.00
3. Repairs and maintenance	25.00	25.00
4. Travel	15.00	15.00
5. Miscellaneous	10.00	10.00
<b>Total</b>	<b>200.00</b>	<b>200.00</b>

All equipment used must be listed below in a time and materials format. Handling charges should not be added here; use Section J.

[illegible]

**INVESTIGATION & CAP DEVELOPMENT**

Other Costs - A listing and description of all other costs which will be/were incurred and are not specifically listed on this form should be attached. The listing should include a cost breakdown in a time and materials format.

Other Costs	No.	Rate	Cost
Copies	1197	\$ 0.10	\$ 119.70
Mileage for CW3M trips	1120.00	\$ 0.35	\$ 392.00 *
Per Diem	0.00	\$ 36.00	\$ -
<b>Total Other</b>			<b>\$ 511.70</b>

\*Mileage                      8 trips at                      140 miles/trip

**TOTAL OTHER COSTS =**                      \$ 1,027.90

Subtotal Page I-2	\$ 511.70
<b>Total (Pages I-1 and I-2)</b>	<b>\$ 1,027.90</b>

I-2

This form must be submitted in duplicate

## J. HANDLING CHARGES

## INVESTIGATION & CAP DEVELOPMENT

Handling charges are eligible for payment on subcontractor billings and/or field purchases only if they are equal to or less than the amounts determined by the following table:

Subcontractor or Field Purchase Cost	Eligible Handling Charges as a Percentage of Cost
\$1 - \$5,000	12%
\$5,001 - \$15,000	\$600 + 10% of amt. Over \$5,000
\$15,001 - \$50,000	\$1,600 + 8% of amt. Over \$15,000
\$50,001 - \$100,000	\$4,400 + 5% of amt. Over \$50,000
\$100,001 - \$1,000,000	\$6,900 + 2% of amt. Over \$100,000

### A. Subcontractor Charges

[illegible]

## INVESTIGATION & CAP DEVELOPMENT

### B. Field Purchase

[illegible]

\* Use chart at top of Page J-1 to calculate the allowable handling charge.

Copies of invoices for subcontractor costs and receipts for field purchases are required for billing submissions

This form must be submitted in duplicate



**HIGH PRIORITY CORRECTIVE ACTION**

Corrective Action at High Priority Sites may involve both soil and groundwater remediation. Below provide a summary of costs for the remediation type(s) chosen and attach the appropriate sections of the budget/billing forms to support the summary of costs.

**A. Preparation of the Corrective Action Plan.**

1. Investigation Costs:	<u>\$ 11,340.00</u>
2. Analysis Costs:	<u>\$ 13,225.00</u>
3. Personnel Costs:	<u>\$ 17,293.00</u>
4. Equipment Costs:	<u>\$ 565.00</u>
5. Field Purchases and Other Costs:	<u>\$ 1,027.90</u>
6. Handling Charges:	<u>See Handling Charge Total</u>

**B. Groundwater Remediation \*\*\*MW well replacement, trench installation and post excavation sampling.**

1. Analysis Costs:	<u>\$ 1,620.00</u>
2. Personnel Costs:	<u>\$ 8,232.00</u>
3. Equipment Costs:	<u>\$ 80.00</u>
4. Field Purchases and Other Costs:	<u>\$ 235.50</u>
5. Handling Charges:	<u>See Handling Charge Total</u>

Of the above costs, please provide a break down of the costs associated with operation and maintenance (O&M), if applicable, as requested below.

0 Months of O&M x \$ - per month = \$ -  
(includes utilities, maintenance and expendable items)

**C. Excavation and Disposal \*\*\* Includes excavation sampling and analytical.**

1. Analysis Costs:	<u>\$ 3,750.00</u>
2. Personnel Costs:	<u>\$ 46,440.00</u>
3. Equipment Costs:	<u>\$ -</u>
4. Field Purchases and Other Costs:	<u>\$246,391.06</u>
5. Handling Charges:	<u>See Handling Charge Total</u>

Of the above costs, please provide a break down of the costs associated with excavation, transportation, and disposal as requested below:

Excavation:	<u>4,501.32</u>	cubic yards X	<u>\$ 20.23</u>	per cu yd =	<u>\$ 91,040.00</u>
Transport:	<u>4,501.32</u>	cubic yards X	<u>\$ 12.74</u>	per cu yd =	<u>\$ 57,330.00</u>
Disposal:	<u>4,501.32</u>	cubic yards X	<u>\$ 31.05</u>	per cu yd =	<u>\$139,766.06</u>

D. Alternative Technology, Type None

1. Investigation Costs: \$ \_\_\_\_\_
2. Analysis Costs: \$ \_\_\_\_\_
3. Personnel Costs: \$ \_\_\_\_\_
4. Equipment Costs: \$ \_\_\_\_\_
5. Field Purchases and Other Costs: \$ \_\_\_\_\_
6. Handling Charges: \$ \_\_\_\_\_

Of the above costs, please provide a break down of the following costs as requested below if applicable:

Excavation: \_\_\_\_\_ cubic yards X \$ \_\_\_\_\_ per cu yd = \_\_\_\_\_

Transport: \_\_\_\_\_ cubic yards X \$ \_\_\_\_\_ per cu yd = \_\_\_\_\_

Disposal: \_\_\_\_\_ cubic yards X \$ \_\_\_\_\_ per cu yd = \_\_\_\_\_

Operation and Maintenance (O&M):

\_\_\_\_\_ Months of O&M x \$ \_\_\_\_\_ per month = \$ \_\_\_\_\_

## E. Backfill Costs

1. Personnel Costs: \$ 60,281.25
2. Equipment Costs: \$ -
3. Field Purchases and Other Costs: \$ 158,345.45
4. Handling Charges: See Handling Charge Total

Of the above costs, please provide a break down of the following costs as requested below if applicable:

Type of Backfill: Sand Backfill  
4761.01 cubic yards X \$ 9.72 per cu yd = \$46,277.06

Type of Backfill: Aggregate Backfill  
190.44 cubic yards X \$ 18.98 per cu yd = \$ 3,615.39

Type of Backfill: Septic Gravel Backfill  
0.00 cubic yards X #DIV/0! per cu yd = \$ -

Type of Backfill: Concrete for Trailer Pad  
0.00 cubic yards X \$ - per cu yd = \$ -

## F. ANALYSIS COSTS

## GROUNDWATER

1. Physical Soil Analysis - This must only include analysis costs for classification of soil types at the site.

\_\_\_\_\_ Moisture Content samples x \$ \_\_\_\_\_ per sample = \$ \_\_\_\_\_ 0

\_\_\_\_\_ Soil Classification samples x \$ \_\_\_\_\_ per sample = \$ \_\_\_\_\_ 0

Indicate method to be performed: \_\_\_\_\_

\_\_\_\_\_ Soil Particle Size samples x \$ \_\_\_\_\_ per sample = \$ \_\_\_\_\_ 0

\_\_\_\_\_ Ex-situ Hydraulic Conductivity/Permeability samples

x \$ \_\_\_\_\_ per sample = \$ \_\_\_\_\_ 0

Indicate method to be performed: \_\_\_\_\_

\_\_\_\_\_ Rock Hydraulic Conductivity/Permeability samples

x \$ \_\_\_\_\_ per sample = \$ \_\_\_\_\_ 0

\_\_\_\_\_ Natural Organic Carbon Fraction (foc) samples

x \$ \_\_\_\_\_ per sample = \$ \_\_\_\_\_ 0

Indicate the ASTM or SW-846 method to be performed: \_\_\_\_\_

\_\_\_\_\_ samples x \$ \_\_\_\_\_ per sample = \$ \_\_\_\_\_ 0

\_\_\_\_\_ samples x \$ \_\_\_\_\_ per sample = \$ \_\_\_\_\_ 0

\_\_\_\_\_ samples x \$ \_\_\_\_\_ per sample = \$ \_\_\_\_\_ 0

\_\_\_\_\_ samples x \$ \_\_\_\_\_ per sample = \$ \_\_\_\_\_ 0

\_\_\_\_\_ samples x \$ \_\_\_\_\_ per sample = \$ \_\_\_\_\_ 0

2. Soil Analysis Costs - This must be for laboratory analysis only.

\_\_\_\_\_ BTEX samples x \$ \_\_\_\_\_ per sample = \$ \_\_\_\_\_ 0

\_\_\_\_\_ PNA samples x \$ \_\_\_\_\_ per sample = \$ \_\_\_\_\_ 0

\_\_\_\_\_ LUST Pollutants samples x \$ \_\_\_\_\_ per sample = \$ \_\_\_\_\_ 0

\_\_\_\_\_ pH Samples x \$ \_\_\_\_\_ per sample = \$ \_\_\_\_\_ 0  
 \_\_\_\_\_ Paint Filter samples x \$ \_\_\_\_\_ per sample = \$ \_\_\_\_\_ 0  
 \_\_\_\_\_ TCLP @ samples x \$ \_\_\_\_\_ per sample = \$ \_\_\_\_\_ 0  
 \_\_\_\_\_ Flash Point samples x \$ \_\_\_\_\_ per sample = \$ \_\_\_\_\_ 0  
 \_\_\_\_\_ Lab and/or Field Bank samples x \$ \_\_\_\_\_ per sample = \$ \_\_\_\_\_ 0  
 \_\_\_\_\_ samples x \$ \_\_\_\_\_ per sample = \$ \_\_\_\_\_ 0  
 \_\_\_\_\_ samples x \$ \_\_\_\_\_ per sample = \$ \_\_\_\_\_ 0  
 \_\_\_\_\_ samples x \$ \_\_\_\_\_ per sample = \$ \_\_\_\_\_ 0  
 \_\_\_\_\_ samples x \$ \_\_\_\_\_ per sample = \$ \_\_\_\_\_ 0  
 \_\_\_\_\_ samples x \$ \_\_\_\_\_ per sample = \$ \_\_\_\_\_ 0

3. Groundwater Analysis Costs - This must be for laboratory analysis only.

\_\_\_\_\_ 6 BTEX samples x \$ 75.00 per sample = \$ 450.00  
 \_\_\_\_\_ 6 PNA samples x \$ 175.00 per sample = \$ 1,050.00  
 \_\_\_\_\_ LUST Pollutants samples x \$ \_\_\_\_\_ per sample = \$ \_\_\_\_\_ 0  
 \_\_\_\_\_ pH Samples x \$ \_\_\_\_\_ per sample = \$ \_\_\_\_\_ 0  
 \_\_\_\_\_ Lab and/or Field Blank samples x \$ \_\_\_\_\_ per sample = \$ \_\_\_\_\_ 0  
 \_\_\_\_\_ Flash Point samples x \$ \_\_\_\_\_ per sample = \$ \_\_\_\_\_ 0  
 \_\_\_\_\_ 6 Total Lead samples x \$ 20.00 Per sample = \$ 120.00  
 \_\_\_\_\_ samples x \$ \_\_\_\_\_ Per sample = \$ \_\_\_\_\_ -  
 \_\_\_\_\_ samples x \$ \_\_\_\_\_ Per sample = \$ \_\_\_\_\_ -  
 \_\_\_\_\_ samples x \$ \_\_\_\_\_ Per sample = \$ \_\_\_\_\_ -  
 \_\_\_\_\_ samples x \$ \_\_\_\_\_ Per sample = \$ \_\_\_\_\_ 0  
 \_\_\_\_\_ samples x \$ \_\_\_\_\_ Per sample = \$ \_\_\_\_\_ 0

TOTAL ANALYSIS COSTS = \$ \_\_\_\_\_ 1,620.00

F-2(2)

This form must be submitted in duplicate.

**G. PERSONNEL****GROUNDWATER**

All personnel costs that are not included elsewhere in the budget/billing form must be listed here. Costs must be listed per task, not personnel type. The following are some examples of tasks: Drafting, data collection, plan, report, or budget preparation for \_\_\_\_\_ (i.e., site classification work plan, 45 day report, or high priority corrective action budget), sampling, field oversight for \_\_\_\_\_ (i.e., drilling/well installation, corrective action, or early action), or maintenance of Moweaqua. The above list is not inclusive of all possible tasks.

Environmental Engineer 0.00 hours x \$ 105.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: Recovery Trench Installation

Senior Env. Engineer 0.00 hours x \$ 115.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: Recovery Trench Installation

Senior Env. Geologist 0.00 hours x \$ 92.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: Recovery Trench Installation

General Project Manager 0.00 hours x \$ 100.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: Recovery Trench Installation

Env. Project Geologist 0.00 hours x \$ 81.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: Recovery Trench Installation

Env. Project Scientist 0.00 hours x \$ 81.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: Recovery Trench Installation

Engineering Technican 0.00 hours x \$ 55.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: Recovery Trench Installation

Laborer 0.00 hours x \$ 35.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: Recovery Trench Installation

G-1(2)

This form must be submitted in duplicate.

**G. PERSONNEL****GROUNDWATER**

All personnel costs that are not included elsewhere in the budget/billing form must be listed here. Costs must be listed per task, not personnel type. The following are some examples of tasks: Drafting, data collection, plan, report, or budget preparation for \_\_\_\_\_ (i.e., site classification work plan, 45 day report, or high priority corrective action budget), sampling, field oversight for \_\_\_\_\_ (i.e., drilling/well installation, corrective action, or early action), or maintenance of Moweaqua. The above list is not inclusive of all possible tasks.

Technical Editor 0.00 hours x \$ 55.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: Recovery Trench Installation

Draftsman 0.00 hours x \$ 55.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: Recovery Trench Installation

Technical Coordinator 0.00 hours x \$ 65.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: Recovery Trench Installation

Administrative Assistant 0.00 hours x \$ 45.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: Recovery Trench Installation

Office Manager 0.00 hours x \$ 40.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: Recovery Trench Installation

Principal 0.00 hours x \$ 130.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: Recovery Trench Installation

Field Supervisor/Coordinator 0.00 hours x \$ 110.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: Recovery Trench Installation

Construction Foreman 0.00 hours x \$ 65.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: Recovery Trench Installation

**G. PERSONNEL****GROUNDWATER**

All personnel costs that are not included elsewhere in the budget/billing form must be listed here. Costs must be listed per task, not personnel type. The following are some examples of tasks: Drafting, data collection, plan, report, or budget preparation for \_\_\_\_\_ (i.e., site classification work plan, 45 day report, or high priority corrective action budget), sampling, field oversight for \_\_\_\_\_ (i.e., drilling/well installation, corrective action, or early action), or maintenance of Moweaqua. The above list is not inclusive of all possible tasks.

Environmental Engineer 8 hours x \$ 105.00 per hour = \$ 840.00  
(Title)

Task to be performed for the above hours: Replacement Well Installation

Senior Env. Engineer 0 hours x \$ 115.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: Replacement Well Installation

Senior Env. Geologist 1 hours x \$ 92.00 per hour = \$ 92.00  
(Title)

Task to be performed for the above hours: Replacement Well Installation

General Project Manager 0 hours x \$ 100.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: Replacement Well Installation

Env. Project Geologist 8 hours x \$ 81.00 per hour = \$ 648.00  
(Title)

Task to be performed for the above hours: Replacement Well Installation

Env. Project Scientist 0 hours x \$ 81.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: Replacement Well Installation

Engineering Technican 0 hours x \$ 55.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: Replacement Well Installation

Laborer 0 hours x \$ 35.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: Replacement Well Installation

**G. PERSONNEL****GROUNDWATER**

All personnel costs that are not included elsewhere in the budget/billing form must be listed here. Costs must be listed per task, not personnel type. The following are some examples of tasks: Drafting, data collection, plan, report, or budget preparation for \_\_\_\_\_ (i.e., site classification work plan, 45 day report, or high priority corrective action budget), sampling, field oversight for \_\_\_\_\_ (i.e., drilling/well installation, corrective action, or early action), of maintenance of Moweagua. The above list is not inclusive of all possible tasks.

Technical Editor	\$ -	hours x	\$ 55.00	per hour =	\$ -
(Title)					
Task to be performed for the above hours:		<u>Replacement Well Installation</u>			
Draftsman	\$ -	hours x	\$ 55.00	per hour =	\$ -
(Title)					
Task to be performed for the above hours:		<u>Replacement Well Installation</u>			
Technical Coordinator	\$ -	hours x	\$ 65.00	per hour =	\$ -
(Title)					
Task to be performed for the above hours:		<u>Replacement Well Installation</u>			
Administrative Assistant	\$ 1.00	hours x	\$ 45.00	per hour =	\$ 45.00
(Title)					
Task to be performed for the above hours:		<u>Replacement Well Installation</u>			
Office Manager	\$ -	hours x	\$ 40.00	per hour =	\$ -
(Title)					
Task to be performed for the above hours:		<u>Replacement Well Installation</u>			
Principal	\$ -	hours x	\$ 130.00	per hour =	\$ -
(Title)					
Task to be performed for the above hours:		<u>Replacement Well Installation</u>			
Field Supervisor/Coordinator	\$ -	hours x	\$ 110.00	per hour =	\$ -
(Title)					
Task to be performed for the above hours:		<u>Replacement Well Installation</u>			
Wastewater Trtmt. Operator	\$ -	hours x	\$ 100.00	per hour =	\$ -
(Title)					
Task to be performed for the above hours:		<u>Replacement Well Installation</u>			

G-1c(2)

This form must be submitted in duplicate.



## G. PERSONNEL

## GROUNDWATER

All personnel costs that are not included elsewhere in the budget/billing form must be listed here. Costs must be listed per task, not personnel type. The following are some examples of tasks: Drafting, data collection, plan, report, or budget preparation for \_\_\_\_\_ (i.e., site classification work plan, 45 day report, or high priority corrective action budget), sampling, field oversight for \_\_\_\_\_ (i.e., drilling/well installation, corrective action, or early action), or maintenance of Moweaqua. The above list is not inclusive of all possible tasks.

Environmental Engineer 0.00 hours x \$ 105.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: Monitoring Well Survey and Sampling

Senior Env. Engineer 0.00 hours x \$ 115.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: Monitoring Well Survey and Sampling

Senior Env. Geologist 1.00 hours x \$ 92.00 per hour = \$ 92.00  
(Title)

Task to be performed for the above hours: Monitoring Well Survey and Sampling

General Project Manager 0.00 hours x \$ 100.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: Monitoring Well Survey and Sampling

Env. Project Geologist 8.00 hours x \$ 81.00 per hour = \$ 648.00  
(Title)

Task to be performed for the above hours: Monitoring Well Survey and Sampling

Env. Project Scientist 0.00 hours x \$ 81.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: Monitoring Well Survey and Sampling

Engineering Technican 8.00 hours x \$ 55.00 per hour = \$ 440.00  
(Title)

Task to be performed for the above hours: Monitoring Well Survey and Sampling

Laborer 0.00 hours x \$ 35.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: Monitoring Well Survey and Sampling

G-1d(2)

This form must be submitted in duplicate.

**G. PERSONNEL****GROUNDWATER**

All personnel costs that are not included elsewhere in the budget/billing form must be listed here. Costs must be listed per task, not personnel type. The following are some examples of tasks: Drafting, data collection, plan, report, or budget preparation for \_\_\_\_\_ (i.e., site classification work plan, 45 day report, or high priority corrective action budget), sampling, field oversight for \_\_\_\_\_ (i.e., drilling/well installation, corrective action, or early action), or maintenance of Moweaqua. The above list is not inclusive of all possible tasks.

<u>Technical Editor</u>	<u>0.00</u>	hours x	<u>\$ 55.00</u>	per hour =	<u>\$ -</u>
(Title)					
Task to be performed for the above hours:			<u>Monitoring Well Survey and Sampling</u>		
<u>Draftsman</u>	<u>0.00</u>	hours x	<u>\$ 55.00</u>	per hour =	<u>\$ -</u>
(Title)					
Task to be performed for the above hours:			<u>Monitoring Well Survey and Sampling</u>		
<u>Technical Coordinator</u>	<u>0.00</u>	hours x	<u>\$ 65.00</u>	per hour =	<u>\$ -</u>
(Title)					
Task to be performed for the above hours:			<u>Monitoring Well Survey and Sampling</u>		
<u>Administrative Assistant</u>	<u>1.00</u>	hours x	<u>\$ 45.00</u>	per hour =	<u>\$ 45.00</u>
(Title)					
Task to be performed for the above hours:			<u>Monitoring Well Survey and Sampling</u>		
<u>Office Manager</u>	<u>0.00</u>	hours x	<u>\$ 40.00</u>	per hour =	<u>\$ -</u>
(Title)					
Task to be performed for the above hours:			<u>Monitoring Well Survey and Sampling</u>		
<u>Principal</u>	<u>0.00</u>	hours x	<u>\$ 130.00</u>	per hour =	<u>\$ -</u>
(Title)					
Task to be performed for the above hours:			<u>Monitoring Well Survey and Sampling</u>		
<u>Field Supervisor/Coordinator</u>	<u>0.00</u>	hours x	<u>\$ 110.00</u>	per hour =	<u>\$ -</u>
(Title)					
Task to be performed for the above hours:			<u>Monitoring Well Survey and Sampling</u>		
<u>Wastewater Trtmt. Operator</u>	<u>0.00</u>	hours x	<u>\$ 100.00</u>	per hour =	<u>\$ -</u>
(Title)					
Task to be performed for the above hours:			<u>Monitoring Well Survey and Sampling</u>		

**G. PERSONNEL****GROUNDWATER**

All personnel costs that are not included elsewhere in the budget/billing form must be listed here. Costs must be listed per task, not personnel type. The following are some examples of tasks: Drafting, data collection, plan, report, or budget preparation for \_\_\_\_\_ (i.e., site classification work plan, 45 day report, or high priority corrective action budget), sampling, field oversight for \_\_\_\_\_ (i.e., drilling/well installation, corrective action, or early action), or maintenance of Moweaqua. The above list is not inclusive of all possible tasks.

<u>Environmental Engineer</u>	<u>20</u>	hours x	<u>\$ 105.00</u>	per hour =	<u>\$ 2,100.00</u>
(Title)					

Task to be performed for the above hours:	<u>CACR or Groundwater CAP</u>
---	--------------------------------

<u>Senior Env. Engineer</u>	<u>2</u>	hours x	<u>\$ 115.00</u>	per hour =	<u>\$ 230.00</u>
(Title)					

Task to be performed for the above hours:	<u>CACR or Groundwater CAP</u>
---	--------------------------------

<u>Senior Env. Geologist</u>	<u>12</u>	hours x	<u>\$ 92.00</u>	per hour =	<u>\$ 1,104.00</u>
(Title)					

Task to be performed for the above hours:	<u>CACR or Groundwater CAP</u>
---	--------------------------------

<u>General Project Manager</u>	<u>4</u>	hours x	<u>\$ 100.00</u>	per hour =	<u>\$ 400.00</u>
(Title)					

Task to be performed for the above hours:	<u>CACR or Groundwater CAP</u>
---	--------------------------------

<u>Env. Project Geologist</u>	<u>8</u>	hours x	<u>\$ 81.00</u>	per hour =	<u>\$ 648.00</u>
(Title)					

Task to be performed for the above hours:	<u>CACR or Groundwater CAP</u>
---	--------------------------------

<u>Env. Project Scientist</u>	<u>0</u>	hours x	<u>\$ 81.00</u>	per hour =	<u>\$ -</u>
(Title)					

Task to be performed for the above hours:	<u>CACR or Groundwater CAP</u>
---	--------------------------------

<u>Engineering Technican</u>	<u>0</u>	hours x	<u>\$ 55.00</u>	per hour =	<u>\$ -</u>
(Title)					

Task to be performed for the above hours:	<u>CACR or Groundwater CAP</u>
---	--------------------------------

<u>Laborer</u>	<u>0</u>	hours x	<u>\$ 35.00</u>	per hour =	<u>\$ -</u>
(Title)					

Task to be performed for the above hours:	<u>CACR or Groundwater CAP</u>
---	--------------------------------

Technical Editor 5 hours x \$ 55.00 per hour = \$ 275.00  
(Title)

Task to be performed for the above hours: CACR or Groundwater CAP

Draftsman 5 hours x \$ 55.00 per hour = \$ 275.00  
(Title)

Task to be performed for the above hours: CACR or Groundwater CAP

Technical Coordinator 0 hours x \$ 65.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: CACR or Groundwater CAP

Administrative Assistant 4 hours x \$ 45.00 per hour = \$ 180.00  
(Title)

Task to be performed for the above hours: CACR or Groundwater CAP

Office Manager 1 hours x \$ 40.00 per hour = \$ 40.00  
(Title)

Task to be performed for the above hours: CACR or Groundwater CAP

Principal 1 hours x \$ 130.00 per hour = \$ 130.00  
(Title)

Task to be performed for the above hours: CACR or Groundwater CAP

Field Supervisor/Coordinator 0 hours x \$ 110.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: CACR or Groundwater CAP

Wastewater Trtmt. Operator 0 hours x \$ 100.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: CACR or Groundwater CAP

\_\_\_\_\_ hours x \_\_\_\_\_ per hour = \$ -  
(Title)

Task to be performed for the above hours: \_\_\_\_\_

TOTAL PERSONNEL COSTS: \$ 8,232.00

G-2(2)

This form must be submitted in duplicate.

## GROUNDWATER

All equipment used must be listed below in a time and materials format. Handling charges should not be added here; use Section J.

[illegible]

H-1(2)

This form must be submitted in duplicate

I. FIELD PURCHASES AND OTHER COSTS **GROUNDWATER**

All equipment used must be listed below in a time and materials format. Handling charges should not be added here; use Section J.

Field Purchases	Quantity	Item	Price/Item	Total Cost	Handling Charges
Color Copies	50	/each	\$ 1.25	\$ 62.50	yes
Carbon Filter Purchase	0	/each	\$ 600.00	\$ -	yes
Manifests	0	/each	\$ 1.00	\$ -	yes
Truck Liner	0	/each	\$ 4.00	\$ -	yes
Bailers	6	/each	\$ 12.00	\$ 72.00	yes
Film	0	/each	\$ 6.00	\$ -	yes
Photo Development & Copies	0	/each	\$ 15.00	\$ -	yes
Piping, Hose & Fittings**	0.0	/lump	\$ 4,000.00	\$ -	yes
Postage				\$ 12.00	yes
Drums	0	/each	\$ 50.00	\$ -	yes
Permit Fees	0	/each	\$ -	\$ -	yes
<b>Subcontractors</b>					
Sand Backfill	0.00	/ton	\$ 6.00	\$ -	yes
Aggregate Backfill	0.00	/ton	\$ 11.25	\$ -	yes
Septic Gravel Backfill	0.00	/ton	\$ 7.75	\$ -	yes
Concrete	0.00	/c.y.	\$ 61.00	\$ -	yes
Disposal Charge	0.00	/ton	\$ 20.00	\$ -	yes
Trackhoe	0.00	/hour	\$ 125.00	\$ -	yes
Backhoe	0.00	/hour	\$ 85.00	\$ -	yes
Trucking Charge (10 c.y.)	0.00	/hour	\$ 65.00	\$ -	yes
End Loader	0.00	/hour	\$ 95.00	\$ -	yes
Trucking Charge (15 c.y.)	0.00	/hour	\$ 85.00	\$ -	yes
Baker Tank	0.00	/month	\$ 1,200.00	\$ -	yes
Electrician	0.00	/hour	\$ 40.00	\$ -	yes
Electrician Mileage	0.00	/mile	\$ 0.35	\$ -	yes
Plumber/Inspector	0.00	/hour	\$ 45.00	\$ -	yes
Plumber Mileage	0.00	/mile	\$ 0.35	\$ -	yes
Carbon Filter Disposal	0	/each	\$ 1,000.00	\$ -	yes
Electricity	0	/mo.	\$ 200.00	\$ -	yes
Sewer Disposal Charge	0	/gal.	0.001	\$ -	yes
Recovery Sump Installation	0	/each	\$ 2,500.00	\$ -	yes
Recovery Sump Closure	0	/each	\$ 1,200.00	\$ -	yes
Monitoring Well Closure	0	/each	\$ 350.00	\$ -	yes
Telephone Line Installation	0	/each	\$ 150.00	\$ -	yes
Telephone Line (autodialer)	0	/month	\$ 30.00	\$ -	yes
Recovery Well Installation	0	/each	\$ 800.00	\$ -	yes
Recovery Well Closure	0	/each	\$ 400.00	\$ -	yes
Drill Rig Mobilization	0.00	/each	\$ 260.00	\$ -	yes
Monitoring Well Installation (Replacement)	0.00	/each	\$ 450.00	\$ -	yes
				\$ -	
Subtotal Page I-1				\$ 146.50	

I-1 (2)

This form must be submitted in duplicate

**GROUNDWATER**

Other Costs - A listing and description of all other costs which will be/were incurred and are not specifically listed on this form should be attached. The listing should include a cost breakdown in a time and materials format.

Other Costs	No.	Rate		Cost
Copies	400.0	\$ 0.10	/each	\$ 40.00
Mileage for CW3M trips	140.0	\$ 0.35	/each	\$ 49.00 *
Per Diem	0.0	\$ 36.00	/day	\$ -
<b>Total Other</b>				<b>\$ 89.00</b>

\*Number of Trips                      1 trips at                      140 miles/trip

**TOTAL OTHER COSTS =**                      \$                      89.00

<b>Total (Pages I-1 and I-2)</b>	<b>\$                      235.50</b>
----------------------------------	---------------------------------------

I-2 (2)

This form must be submitted in duplicate

**J. HANDLING CHARGES****GROUNDWATER**

Handling charges are eligible for payment on subcontractor billings and/or field purchases only if they are equal to or less than the amounts determined by the following table:

Subcontractor or Field Purchase Cost	Eligible Handling Charges as a Percentage of Cost
\$1 - \$5,000	12%
\$5,001 - \$15,000	\$600 + 10% of amt. Over \$5,000
\$15,001 - \$50,000	\$1,600 + 8% of amt. Over \$15,000
\$50,001 - \$100,000	\$4,400 + 5% of amt. Over \$50,000
\$100,001 - \$1,000,000	\$6,900 + 2% of amt. Over \$100,000

**A. Subcontractor Charges**

Subcontractor	Section where cost is listed	Subcontract Amount
Laboratory Analysis	F-2(2)	\$ 1,620.00
Sand Backfill	I-1(2)	\$ -
Aggregate Backfill	I-1(2)	\$ -
Septic Gravel Backfill	I-1(2)	\$ -
Concrete	I-1(2)	\$ -
Disposal Charge	I-1(2)	\$ -
Trackhoe	I-1(2)	\$ -
Backhoe	I-1(2)	\$ -
Trucking Charge (10 c.y.)	I-1(2)	\$ -
End Loader	I-1(2)	\$ -
Trucking Charge (15 c.y.)	I-1(2)	\$ -
Baker Tank	I-1(2)	\$ -
Electrician	I-1(2)	\$ -
Electrician Mileage	I-1(2)	\$ -
Plumber/Inspector	I-1(2)	\$ -
Plumber Mileage	I-1(2)	\$ -
Carbon Filter Disposal	I-1(2)	\$ -
Electricity	I-1(2)	\$ -
Sewer Disposal Charge	I-1(2)	\$ -
Recovery Sump Installation	I-1(2)	\$ -
Recovery Sump Closure	I-1(2)	\$ -
Monitoring Well Closure	I-1(2)	\$ -
Telephone Line Installation	I-1(2)	\$ -
Telephone Line (autodialer)	I-1(2)	\$ -
Recovery Well Installation	I-1(2)	\$ -
Recovery Well Closure	I-1(2)	\$ -
Drill Rig Mobilization	I-1(2)	\$ -
Monitoring Well Installation (Replacement)	I-1(2)	\$ -
Piping, Hose & Fittings	I-1(2)	\$ -
	Subtotal J-1 Subtotal:	\$ 1,620.00

J-1(2)

This form must be submitted in duplicate



[illegible]

Handling Charge *	See Handling Charge Total
-------------------	---------------------------

J-2(2)

This form must be submitted in duplicate

## F. ANALYSIS COSTS

## EXCAVATION AND DISPOSAL

1. Physical Soil Analysis - This must only include analysis costs for classification of soil types at the site.

\_\_\_\_\_ Moisture Content samples x \$ \_\_\_\_\_ per sample = \$ \_\_\_\_\_ 0

\_\_\_\_\_ Soil Classification samples x \$ \_\_\_\_\_ per sample = \$ \_\_\_\_\_ 0

Indicate method to be performed: \_\_\_\_\_

\_\_\_\_\_ Soil Particle Size samples x \$ \_\_\_\_\_ per sample = \$ \_\_\_\_\_ 0

\_\_\_\_\_ Ex-situ Hydraulic Conductivity/Permeability samples  
x \$ \_\_\_\_\_ per sample = \$ \_\_\_\_\_ 0

Indicate method to be performed: \_\_\_\_\_

\_\_\_\_\_ Rock Hydraulic Conductivity/Permeability samples  
x \$ \_\_\_\_\_ per sample = \$ \_\_\_\_\_ 0

\_\_\_\_\_ Natural Organic Carbon Fraction (foc) samples  
x \$ \_\_\_\_\_ per sample = \$ \_\_\_\_\_ 0

Indicate the ASTM or SW-846 method to be performed: \_\_\_\_\_

\_\_\_\_\_ samples x \$ \_\_\_\_\_ per sample = \$ \_\_\_\_\_ 0

\_\_\_\_\_ samples x \$ \_\_\_\_\_ per sample = \$ \_\_\_\_\_ 0

\_\_\_\_\_ samples x \$ \_\_\_\_\_ per sample = \$ \_\_\_\_\_ 0

\_\_\_\_\_ samples x \$ \_\_\_\_\_ per sample = \$ \_\_\_\_\_ 0

\_\_\_\_\_ samples x \$ \_\_\_\_\_ per sample = \$ \_\_\_\_\_ 0

2. Soil Analysis Costs - This must be for laboratory analysis only.

\_\_\_\_\_ 10 BTEX samples x \$ \_\_\_\_\_ 75.00 per sample = \$ \_\_\_\_\_ 750.00

\_\_\_\_\_ 10 PNA samples x \$ \_\_\_\_\_ 175.00 per sample = \$ \_\_\_\_\_ 1,750.00

\_\_\_\_\_ LUST Pollutants samples x \$ \_\_\_\_\_ per sample = \$ \_\_\_\_\_ -

\_\_\_\_\_ pH Samples x \$ \_\_\_\_\_ per sample = \$ \_\_\_\_\_ 0  
 \_\_\_\_\_ Paint Filter samples x \$ \_\_\_\_\_ per sample = \$ \_\_\_\_\_ 0  
 \_\_\_\_\_ 10 TCLP @ samples x \$ \_\_\_\_\_ 85.00 per sample = \$ \_\_\_\_\_ 850.00  
 \_\_\_\_\_ Flash Point samples x \$ \_\_\_\_\_ per sample = \$ \_\_\_\_\_ 0  
 \_\_\_\_\_ Lab and/or Field Blank samples x \$ \_\_\_\_\_ per sample = \$ \_\_\_\_\_ -  
 \_\_\_\_\_ 1 Waste Characterization samples x \$ \_\_\_\_\_ 400.00 per sample = \$ \_\_\_\_\_ 400.00  
 \_\_\_\_\_ samples x \$ \_\_\_\_\_ per sample = \$ \_\_\_\_\_ -  
 \_\_\_\_\_ samples x \$ \_\_\_\_\_ per sample = \$ \_\_\_\_\_ -  
 \_\_\_\_\_ samples x \$ \_\_\_\_\_ per sample = \$ \_\_\_\_\_ -  
 \_\_\_\_\_ samples x \$ \_\_\_\_\_ per sample = \$ \_\_\_\_\_ -

3. Groundwater Analysis Costs - This must be for laboratory analysis only.

\_\_\_\_\_ BTEX samples x \$ \_\_\_\_\_ per sample = \$ \_\_\_\_\_ -  
 \_\_\_\_\_ PNA samples x \$ \_\_\_\_\_ per sample = \$ \_\_\_\_\_ -  
 \_\_\_\_\_ LUST Pollutants samples x \$ \_\_\_\_\_ per sample = \$ \_\_\_\_\_ 0  
 \_\_\_\_\_ pH Samples x \$ \_\_\_\_\_ per sample = \$ \_\_\_\_\_ 0  
 \_\_\_\_\_ Lab and/or Field Blank samples x \$ \_\_\_\_\_ per sample = \$ \_\_\_\_\_ 0  
 \_\_\_\_\_ Flash Point samples x \$ \_\_\_\_\_ per sample = \$ \_\_\_\_\_ 0  
 \_\_\_\_\_ samples x \$ \_\_\_\_\_ Per sample = \$ \_\_\_\_\_ 0  
 \_\_\_\_\_ samples x \$ \_\_\_\_\_ Per sample = \$ \_\_\_\_\_ 0  
 \_\_\_\_\_ samples x \$ \_\_\_\_\_ Per sample = \$ \_\_\_\_\_ 0  
 \_\_\_\_\_ samples x \$ \_\_\_\_\_ Per sample = \$ \_\_\_\_\_ 0  
 \_\_\_\_\_ samples x \$ \_\_\_\_\_ Per sample = \$ \_\_\_\_\_ 0  
 \_\_\_\_\_ samples x \$ \_\_\_\_\_ Per sample = \$ \_\_\_\_\_ 0

TOTAL ANALYSIS COSTS = \$ \_\_\_\_\_ 3,750.00

**G. PERSONNEL****EXCAVATION AND DISPOSAL**

All personnel costs that are not included elsewhere in the budget/billing form must be listed here. Costs must be listed per task, not personnel type. The following are some examples of tasks: Drafting, data collection, plan, report, or budget preparation for Excavation (i.e., site classification work plan, 45 day report, or high priority corrective action budget), sampling, field oversight for \_\_\_\_\_ (i.e., drilling/well installation, corrective action, or early action), or maintenance of Moweaqua. The above list is not inclusive of all possible tasks.

<u>Environmental Engineer</u>	<u>216.00</u>	hours x \$	<u>105.00</u>	per hour = \$	<u>22,680.00</u>
(Title)					

Task to be performed for the above hours:	<u>Excavation activities</u>
---	------------------------------

<u>Senior Env. Engineer</u>	<u>-</u>	hours x \$	<u>115.00</u>	per hour = \$	<u>-</u>
(Title)					

Task to be performed for the above hours:	<u>Excavation activities</u>
---	------------------------------

<u>Senior Env. Geologist</u>	<u>-</u>	hours x \$	<u>92.00</u>	per hour = \$	<u>-</u>
(Title)					

Task to be performed for the above hours:	<u>Excavation activities</u>
---	------------------------------

<u>General Project Manager</u>	<u>-</u>	hours x \$	<u>100.00</u>	per hour = \$	<u>-</u>
(Title)					

Task to be performed for the above hours:	<u>Excavation activities</u>
---	------------------------------

<u>Env. Project Geologist</u>	<u>-</u>	hours x \$	<u>81.00</u>	per hour = \$	<u>-</u>
(Title)					

Task to be performed for the above hours:	<u>Excavation activities</u>
---	------------------------------

<u>Env. Project Scientist</u>	<u>-</u>	hours x \$	<u>81.00</u>	per hour = \$	<u>-</u>
(Title)					

Task to be performed for the above hours:	<u>Excavation activities</u>
---	------------------------------

<u>Engineering Technican</u>	<u>-</u>	hours x \$	<u>55.00</u>	per hour = \$	<u>-</u>
(Title)					

Task to be performed for the above hours:	<u>Excavation activities</u>
---	------------------------------

<u>Laborer</u>	<u>-</u>	hours x \$	<u>35.00</u>	per hour = \$	<u>-</u>
(Title)					

Task to be performed for the above hours:	<u>Excavation activities</u>
---	------------------------------

Technical Editor 0.00 hours x \$ 55.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: Excavation activities

Draftsman 0.00 hours x \$ 55.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: Excavation activities

Technical Coordinator 0.00 hours x \$ 65.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: Excavation activities

Administrative Assistant 0.00 hours x \$ 45.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: Excavation activities

Office Manager 0.00 hours x \$ 40.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: Excavation activities

Principal 0.00 hours x \$ 130.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: Excavation activities

Field Supervisor/Coordinator 216.00 hours x \$ 110.00 per hour = \$ 23,760.00  
(Title)

Task to be performed for the above hours: Excavation activities

Wastewater Trmt. Operator 0.00 hours x \$ 100.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: Excavation activities

Construction Foreman 0.00 hours x \$ 65.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: \_\_\_\_\_

TOTAL PERSONNEL COSTS: \$ 46,440.00

G-2(3)

This form must be submitted in duplicate.

## H. EQUIPMENT COSTS

## EXCAVATION AND DISPOSAL

All equipment used must be listed below in a time and materials format. Handling charges should not be added here; use Section J.

[illegible]

H-1(3)

This form must be submitted in duplicate

I. FIELD PURCHASES AND OTHER COSTS		EXCAVATION AND DISPOSAL
1. Fuel		
2. Oil		
3. Grease		
4. Lubricants		
5. Tires		
6. Repairs		
7. Maintenance		
8. Miscellaneous		
9. Total		

All equipment used must be listed below in a time and materials format. Handling charges should not be added here; use Section J.

[illegible]

**EXCAVATION AND DISPOSAL**

Other Costs - A listing and description of all other costs which will be/were incurred and are not specifically listed on this form should be attached. The listing should include a cost breakdown in a time and materials format.

Other Costs	No.	Rate		Cost
Copies	0	\$ 0.10	/each	\$ -
Mileage for CW3M trips	5040	\$ 0.35	/each	\$ 1,764.00 *
Per Diem	0	\$ 36.00	/day	\$ -
				\$ -
				\$ -
<b>Total Other</b>				\$ 1,764.00

\*Number of Trips                      36 trips at                      140 miles per trip

**TOTAL OTHER COSTS = \$ 1,764.00**

<b>Total (Pages I-1 and I-2)</b>	<b>\$ 246,391.06</b>
----------------------------------	----------------------

I-2 (3)

This form must be submitted in duplicate



## EXCAVATION AND DISPOSAL

Handling charges are eligible for payment on subcontractor billings and/or field purchases only if they are equal to or less than the amounts determined by the following table:

Subcontractor or Field Purchase Cost	Eligible Handling Charges as a Percentage of Cost
\$1 - \$5,000	12%
\$5,001 - \$15,000	\$600 + 10% of amt. Over \$5,000
\$15,001 - \$50,000	\$1,600 + 8% of amt. Over \$15,000
\$50,001 - \$100,000	\$4,400 + 5% of amt. Over \$50,000
\$100,001 - \$1,000,000	\$6,900 + 2% of amt. Over \$100,000

### A. Subcontractor Charges

Subcontractor	Section where cost is listed	Subcontract Amount
Laboratory Analysis	F-2(3)	\$ 3,750.00
UST Removal	I-1(3)	\$ -
Building Demolition	I-1(3)	\$ 8,900.00
Asbestos Inspection	I-1(3)	\$ -
Sand Backfill	I-1(3)	\$ -
Aggregate Backfill	I-1(3)	\$ -
Septic Gravel Backfill	I-1(3)	\$ -
Concrete	I-1(3)	\$ -
Disposal Charge	I-1(3)	\$139,766.06
Trackhoe	I-1(3)	\$ 21,250.00
Backhoe	I-1(3)	\$ 14,450.00
Trucking Charge (10 c.y.)	I-1(3)	\$ 57,330.00
End Loader	I-1(3)	\$ -
Trucking Charge (15 c.y.)	I-1(3)	\$ -
Baker Tank	I-1(3)	\$ -
Electrician	I-1(3)	\$ -
Electrician Mileage	I-1(3)	\$ -
Plumber/Inspector	I-1(3)	\$ -
Plumber Mileage	I-1(3)	\$ -
		</

J-1(3)

This form must be submitted in duplicate



## EXCAVATION AND DISPOSAL

### B. Field Purchase

[illegible]

\* Use chart at top of Page J-1 to calculate the allowable handling charge.

Copies of invoices for subcontractor costs and receipts for field purchases are required for billing submissions

J-2(3)

This form must be submitted in duplicate.

**G. PERSONNEL****BACKFILL**

All personnel costs that are not included elsewhere in the budget/billing form must be listed here. Costs must be listed per task, not personnel type. The following are some examples of tasks: Drafting, data collection, plan, report, or budget preparation for Backfill (i.e., site classification work plan, 45 day report, or high priority corrective action budget), sampling, field oversight for \_\_\_\_\_ (i.e., drilling/well installation, corrective action, or early action), of maintenance of Moweaqua. The above list is not inclusive of all possible tasks.

Environmental Engineer 10.00 hours x \$ 105.00 per hour = \$ 1,050.00  
(Title)

Task to be performed for the above hours: Backfill activities

Senior Env. Engineer 0.00 hours x \$ 115.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: Backfill activities

Senior Env. Geologist 0.00 hours x \$ 92.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: Backfill activities

General Project Manager 0.00 hours x \$ 100.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: Backfill activities

Env. Project Geologist 0.00 hours x \$ 81.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: Backfill activities

Env. Project Scientist 0.00 hours x \$ 81.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: Backfill activities

Engineering Technician 263.25 hours x \$ 55.00 per hour = \$ 14,478.75  
(Title)

Task to be performed for the above hours: Backfill activities

Laborer 175.50 hours x \$ 35.00 per hour = \$ 6,142.50  
(Title)

Task to be performed for the above hours: Backfill activities

Technical Editor 0.00 hours x \$ 55.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: Backfill activities

Draftsman 0.00 hours x \$ 55.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: Backfill activities

Technical Coordinator 0.00 hours x \$ 65.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: Backfill activities

Administrative Assistant 0.00 hours x \$ 45.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: Backfill activities

Office Manager 0.00 hours x \$ 40.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: Backfill activities

Principal 0.00 hours x \$ 130.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: Backfill activities

Field Supervisor/Coordinator 351.00 hours x \$ 110.00 per hour = \$ 38,610.00  
(Title)

Task to be performed for the above hours: Backfill activities

Wastewater Trtmt. Operator 0.00 hours x \$ 100.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: Backfill activities

Construction Foreman 0.00 hours x \$ 65.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: \_\_\_\_\_

TOTAL PERSONNEL COSTS: \$ 60,281.25

G-2(4)

This form must be submitted in duplicate.

## H. EQUIPMENT COSTS

## BACKFILL

All equipment used must be listed below in a time and materials format. Handling charges should not be added here; use Section J.

[illegible]

H-1(4)

This form must be submitted in duplicate

I. FIELD PURCHASES AND OTHER COSTS BACKFILL

All equipment used must be listed below in a time and materials format. Handling charges should not be added here; use Section J.

[illegible]

I-1 (4).

This form must be submitted in duplicate

**BACKFILL**

Other Costs - A listing and description of all other costs which will be/were incurred and are not specifically listed on this form should be attached. The listing should include a cost breakdown in a time and materials format.

Other Costs	No.	Rate		Cost
Copies	0.00	\$ 0.10	/each	\$ -
Mileage for CW3M trips	9,520.00	\$ 0.35	/each	\$ 3,332.00
Per Diem	0.00	\$ 36.00	/day	\$ -
				\$ -
				\$ -
<b>Total Other</b>				<b>\$ 3,332.00</b>

\*Number of Trips

68 trips at

140 miles per trip

**TOTAL OTHER COSTS = \$ 3,332.00**

Total (Pages I-1 and I-2)	\$ 158,345.45
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I-2 (4)

This form must be submitted in duplicate

## J. HANDLING CHARGES

## BACKFILL

Handling charges are eligible for payment on subcontractor billings and/or field purchases only if they are equal to or less than the amounts determined by the following table:

Subcontractor or Field Purchase Cost	Eligible Handling Charges as a Percentage of Cost
\$1 - \$5,000	12%
\$5,001 - \$15,000	\$600 + 10% of amt. Over \$5,000
\$15,001 - \$50,000	\$1,600 + 8% of amt. Over \$15,000
\$50,001 - \$100,000	\$4,400 + 5% of amt. Over \$50,000
\$100,001 - \$1,000,000	\$6,900 + 2% of amt. Over \$100,000

### A. Subcontractor Charges

Subcontractor		Section where cost is listed	Subcontract Amount
Sand Backfill		I-1(4)	\$ 46,277.06
Aggregate Backfill		I-1(4)	\$ 3,615.39
Septic Gravel Backfill		I-1(4)	\$ -
Concrete		I-1(4)	\$ -
Disposal Charge		I-1(4)	\$ -
Trackhoe		I-1(4)	\$ -
Backhoe		I-1(4)	\$ 32,300.00
Trucking Charge (10 c.y.)		I-1(4)	\$ 72,800.00
End Loader		I-1(4)	\$ -
Trucking Charge (15 c.y.)		I-1(4)	\$ -
Baker Tank		I-1(4)	\$ -
Electrician		I-1(4)	\$ -
Electrician Mileage		I-1(4)	\$ -
Plumber/Inspector		I-1(4)	\$ -
Plumber Mileage		I-1(4)	\$ -
		Subtotal J-1 Subtotal:	\$154,992.45

J-1(4)

This form must be submitted in duplicate



98-1937

## BACKFILL

### B. Field Purchase

[illegible]

\* Use chart at top of Page J-1 to calculate the allowable handling charge.

Copies of invoices for subcontractor costs and receipts for field purchases are required for billing submissions

J-2(4)

This form must be submitted in duplicate

## G. PERSONNEL

## REIMBURSEMENT PREPARATION

All personnel costs that are not included elsewhere in the budget/billing form must be listed here. Costs must be listed per task, not personnel type. The following are some examples of tasks: Drafting, data collection, plan, report, or budget preparation for Reimb. (i.e., site classification work plan, 45 day report, or high priority corrective action budget), sampling, field oversight for \_\_\_\_\_ (i.e., drilling/well installation, corrective action, or early action), or maintenance of Moweaqua. The above list is not inclusive of all possible tasks.

<u>Environmental Engineer</u>	<u>0.00</u>	hours x \$	<u>105.00</u>	per hour = \$	<u>-</u>
(Title)					

Task to be performed for the above hours:	<u>Reimbursement claim preparation</u>
---	--

<u>Senior Env. Engineer</u>	<u>5.25</u>	hours x \$	<u>115.00</u>	per hour = \$	<u>603.75</u>
(Title)					

Task to be performed for the above hours:	<u>Reimbursement claim preparation</u>
---	--

<u>Senior Env. Geologist</u>	<u>20.00</u>	hours x \$	<u>92.00</u>	per hour = \$	<u>1,840.00</u>
(Title)					

Task to be performed for the above hours:	<u>Reimbursement claim preparation</u>
---	--

<u>General Project Manager</u>	<u>10.00</u>	hours x \$	<u>100.00</u>	per hour = \$	<u>1,000.00</u>
(Title)					

Task to be performed for the above hours:	<u>Reimbursement claim preparation</u>
---	--

<u>Env. Project Geologist</u>	<u>0.00</u>	hours x \$	<u>81.00</u>	per hour = \$	<u>-</u>
(Title)					

Task to be performed for the above hours:	<u>Reimbursement claim preparation</u>
---	--

<u>Env. Project Scientist</u>	<u>0.00</u>	hours x \$	<u>81.00</u>	per hour = \$	<u>-</u>
(Title)					

Task to be performed for the above hours:	<u>Reimbursement claim preparation</u>
---	--

<u>Engineering Technican</u>	<u>0.00</u>	hours x \$	<u>55.00</u>	per hour = \$	<u>-</u>
(Title)					

Task to be performed for the above hours:	<u>Reimbursement claim preparation</u>
---	--

<u>Laborer</u>	<u>0.00</u>	hours x \$	<u>35.00</u>	per hour = \$	<u>-</u>
(Title)					

G-1(5)

This form must be submitted in duplicate.

Technical Editor 0.00 hours x \$ 55.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: Reimbursement claim preparation

Draftsman 0.00 hours x \$ 55.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: Reimbursement claim preparation

Technical Coordinator 0.00 hours x \$ 65.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: Reimbursement claim preparation

Administrative Assistant 28.00 hours x \$ 45.00 per hour = \$ 1,260.00  
(Title)

Task to be performed for the above hours: Reimbursement claim preparation

Office Manager 2.00 hours x \$ 40.00 per hour = \$ 80.00  
(Title)

Task to be performed for the above hours: Reimbursement claim preparation

Principal 0.00 hours x \$ 130.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: Reimbursement claim preparation

Field Supervisor/Coordinator 0.00 hours x \$ 110.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: Reimbursement claim preparation

Wastewater Trtmt. Operator 0.00 hours x \$ 100.00 per hour = \$ -  
(Title)

Task to be performed for the above hours: Reimbursement claim preparation

0.00 hours x \$ per hour = \$ -  
(Title)

Task to be performed for the above hours:

TOTAL PERSONNEL COSTS: \$ 4,783.75

G-2(5)

This form must be submitted in duplicate.

## I. FIELD PURCHASES AND OTHER COSTS REIMBURSEMENT

All equipment used must be listed below in a time and materials format. Handling charges should not be added here; use Section J.

[illegible]

I-1 (5)

This form must be submitted in duplicate

**REIMBURSEMENT**

Other Costs - A listing and description of all other costs which will be/were incurred and are not specifically listed on this form should be attached. The listing should include a cost breakdown in a time and materials format.

Other Costs	No.	Rate		Cost
Copies	1,235.00	\$ 0.10	/each	\$ 123.50
Mileage for CW3M trips	0.00	\$ 0.35	/each	\$ -
Per Diem	0.00	\$ 36.00	/day	\$ -
				\$ -
				\$ -
Total Other				\$ 123.50

TOTAL OTHER COSTS = \$ 123.50

Total (Pages I-1 and I-2)	\$ 143.50
---------------------------	-----------

I-2 (5)

This form must be submitted in duplicate

## J. HANDLING CHARGES

## REIMBURSEMENT

Handling charges are eligible for payment on subcontractor billings and/or field purchases only if they are equal to or less than the amounts determined by the following table:

Subcontractor or Field Purchase Cost	Eligible Handling Charges as a Percentage of Cost
\$1 - \$5,000	12%
\$5,001 - \$15,000	\$600 + 10% of amt. Over \$5,000
\$15,001 - \$50,000	\$1,600 + 8% of amt. Over \$15,000
\$50,001 - \$100,000	\$4,400 + 5% of amt. Over \$50,000
\$100,001 - \$1,000,000	\$6,900 + 2% of amt. Over \$100,000

### A. Subcontractor Charges

[illegible]

## REIMBURSEMENT

### B. Field Purchase

[illegible]

\* Use chart at top of Page J-1 to calculate the allowable handling charge.

Copies of invoices for subcontractor costs and receipts for field purchases are required for billing submissions

J-2(5)

This form must be submitted in duplicate

Comparison Sheet

	IEPA	CW3M	Difference
Investigation	11,340.00	\$ 11,340.00	-
Analysis	18,595.00	\$ 18,595.00	-
Personnel	137,030.00	\$ 137,030.00	-
Equipment	645.00	\$ 645.00	-
Field and Other	406,143.40	\$ 406,143.40	-
Handling	13,505.16	\$ 13,505.16	-
Total	587,258.57	\$ 587,258.57	-

Amount to apply Handling	\$ 430,258.20	\$ 430,258.20	-
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Subcontractor Material and Services		
Sand Backfill	\$ 6.00	/ton
Aggregate Backfill	\$ 11.25	/ton
Septic Gravel Backfill	\$ 7.75	/ton
Concrete	\$ 61.00	/c.y.
UST Removal	\$ 1.00	/gallon
BETX Analysis	\$ 75.00	/each
PNA Analysis	\$ 175.00	/each
Moisture Content	\$ 5.00	/each
LUST Appendix B	\$ 900.00	/each
Particle Size, A.L., USCS	\$ 135.00	/each
Total Metal	\$ 20.00	/each
Waste Characterization (soil)	\$ 400.00	/each
Waste Characterization (water)	\$ 375.00	/each
TCLP Metal	\$ 85.00	/each
Disposal Charge, soil (bulk)	\$ 20.00	/ton
Disposal Charge, soil (drum)	\$ 55.00	/drum
Disposal Charge, water	\$ 2.00	/gallon
Trackhoe	\$ 125.00	/hour
Backhoe	\$ 85.00	/hour
Trucking Charge (10 c.y.)	\$ 65.00	/hour
End Loader	\$ 95.00	/hour
Trucking Charge (15 c.y.)	\$ 85.00	/hour
Baker Tank	\$ 1,200.00	/month
Electrician	\$ 40.00	/hour
Plumber/Inspector	\$ 45.00	/hour
Drilling	\$ 15.00	/foot
Drill Rig Mobilization	\$ 260.00	/trip
MW Installation - 15 foot	\$ 450.00	/each
MW Installation - 23 foot	\$ 500.00	/each
MW Installation - 25 foot	\$ 550.00	/each
MW Installation - 35 foot	\$ 600.00	/each
Recovery Sump Installation	\$ 2,500.00	/each
Recovery Well Installation	\$ 800.00	/each
Piping, Hose and Fittings	\$ 4,000.00	/lump sum
Electricity	\$ 200.00	/month
Sewer Disposal Charge	\$ 0.001	/gallon
Telephone Line Installation	\$ 150.00	/each
Telephone Line (autodialer)	\$ 30.00	/month
Recovery Sump Closure	\$ 1,200.00	/each
Recovery Well Closure	\$ 400.00	/each
Monitoring Well Closure	\$ 350.00	/each

Labor Rates		
Environmental Engineer	\$ 105.00	/hour
Senior Env. Engineer	\$ 115.00	/hour
Senior Env. Geologist	\$ 92.00	/hour
General Project Manager	\$ 100.00	/hour
Env. Project Geologist	\$ 81.00	/hour
Env. Project Scientist	\$ 81.00	/hour
Engineering Technican	\$ 55.00	/hour
Laborer	\$ 35.00	/hour
Technical Editor	\$ 55.00	/hour
Draftsman	\$ 55.00	/hour
Technical Coordinator	\$ 65.00	/hour
Administrative Assistant	\$ 45.00	/hour
Office Manager	\$ 40.00	/hour
Principal	\$ 130.00	/hour
Field Supervisor/Coordinator	\$ 110.00	/hour
Wastewater Trtmt. Operator	\$ 100.00	/hour
Construction Foreman	\$ 65.00	/hour

Other Costs		
Bailers	\$ 12.00	/each
Film	\$ 6.00	/each
Photo Dev. & Copies	\$ 15.00	/each
Postage		
Copies	\$ 0.10	/each
Color Copies	\$ 1.25	/each
Truck Liner	\$ 4.00	/each
Manifests	\$ 1.00	/each
Carbon Filter Purchase	\$ 600.00	/each
Carbon Filter Disposal	\$1,000.00	/each
Per Diem	\$ 36.00	/day
PID Rental	\$ 125.00	/day
Survey Equipment Rental	\$ 65.00	/day
Water Level Indicator	\$ 15.00	/day
Mileage	\$ 0.35	/mile
Drums	\$ 50.00	/each
GWTU Mobilization to Site	\$ 350.00	/each
GWTU Lease	\$2,070.00	/mnth
GWTU Maintenance	\$ 750.00	/mnth

Distances		
To Landfill	25	miles 1-way
To Sand Pit	55	miles 1-way
To Septic Gravel Source	55	miles 1-way
CA6 Aggregate Source	55	miles 1-way
Engineer to Site	70	miles 1-way
Geologist to Site	70	miles 1-way
Field Coordinator to Site	70	miles 1-way

Quantities		
Contaminated Soil Excavation	4,501.32	c.y.
Recovery Trench Excavation	0.00	c.y.
Disposal	4,501.32	c.y.
Sand Backfill	4761.01	c.y.
Aggregate Backfill	190.44	c.y.
Septic Gravel Backfill	0.00	c.y.
Concrete	0.00	c.y.

Moweaqua Shell  
Moweaqua, Illinois

Inputs

Engr. Tech. to Site	70	miles 1-way
Electrician to Site	80	miles 1-way
Plumber to Site	80	miles 1-way
Wastewater Trtmt. Operator	70	miles 1-way

Assumptions		
Soil Bulk Density	115	pcf
Sand Bulk Denisity	120	pcf
Aggregate Bulk Density	125	pcf
Truck Travel Speed to Landfill	50	mph
Truck Travel Speed to Sand Pit	50	mph
Truck Travel Speed to Gravel Pit	50	mph
Excavate Fill/Dump Idle Time	0.5	hour
Backfill/Dump Idle Time	0.5	hour
15 c.y. Trucks Available	0	each
10 c.y. Trucks Available	6	each
Truck Day	9	hours
Excavation Truck	15	c.y.
Backfill Truck	10	c.y.
GW Plant Capitalization	3	years
GW Treatment Duration	0	years
GW Monitoring Network Wells	6	each
Total Monitoring Wells	14	each
Recovery Sumps	5	each
Recovery Wells	0	each

Moweaqua Shell  
Moweaqua, Illinois

Summary

Investigation Costs =	\$ 11,340.00
Analysis Costs =	\$ 18,595.00
Personnel Costs=	\$ 137,030.00
Equipment Costs=	\$ 645.00
Field Purchases and Other Costs=	\$ 406,143.40
Handling Charges=	\$ 13,505.16
Total Project Cost =	\$ 587,258.57

Amount to Apply HC= \$ 430,258.20

Moweaqua Shell  
Moweaqua, Illinois

# Investigation

Description/Boring Type	Depth	Footage	Cost
classification	50	0	\$ -
investigation/migratory	15	0	\$ -
investigation/monitoring	15	180	\$ 2,700.00
investigation	8	32	\$ 480.00
investigation	10	80	\$ 1,200.00
Total @ \$15.00/foot =			\$ 4,380.00

Mobilization	No.	Rate	Cost
Borings & wells -			
drill rig, eqpt. crew	3	\$ 260.00	\$ 780.00

Personnel	Hours	Rate	Cost
Environmental Engineer	16.75	\$ 105.00	\$ 1,758.75
Senior Env. Engineer	0	\$ 115.00	\$ -
Senior Env. Geologist	24.5	\$ 92.00	\$ 2,254.00
General Project Manager	6.5	\$ 100.00	\$ 650.00
Env. Project Geologist	27.75	\$ 81.00	\$ 2,247.75
Env. Project Scientist	8	\$ 81.00	\$ 648.00
Engineering Technican	15.75	\$ 55.00	\$ 866.25
Laborer	0	\$ 35.00	\$ -
Technical Editor	0.25	\$ 55.00	\$ 13.75
Draftsman	0	\$ 55.00	\$ -
Technical Coordinator	0.25	\$ 65.00	\$ 16.25
Administrative Assistant	10	\$ 45.00	\$ 450.00
Office Manager	0	\$ 40.00	\$ -
Principal	0	\$ 130.00	\$ -
Field Supervisor/Coordinator	0	\$ 110.00	\$ -
Wastewater Trtmt. Operator	0	\$ 100.00	\$ -
Subtotal: Personnel/Investigation			\$ 8,904.75

Monitoring Well Installation	No.	Rate	Cost
15 foot	13	\$ 450.00	\$ 5,850.00
23 foot	0	\$ 500.00	\$ -
25 foot	0	\$ 550.00	\$ -
35 foot	0	\$ 600.00	\$ -
Total Monitoring Well Installation			\$ 5,850.00 *

\*MW Installation includes well casing, well screens, filter pack, annular seal, surface seal, well covers, etc.

Disposal Costs	No.	Rate	Cost
Disposal of Cuttings	6	\$ 55.00	\$ 330.00
Disposal of Water (gallons)	0	\$ 2.00	\$ -
Total Disposal Costs			\$ 330.00

Equipment	Rate	Qty.	Charges
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Moweaqua Shell  
Moweaqua, Illinois

Investigation

PID Rental	\$ 125.00	/day	3	\$ 375.00
Water Level Indicator	\$ 15.00	/day	4	\$ 60.00
Survey Equipment Rental	\$ 65.00	/day	2	\$ 130.00
Subtotal Equipment/Inv.				\$ 565.00

**TOTAL INVESTIGATION COSTS = \$ 11,340.00 \***

\* This transfers to the total on Page E-2 of the IEPA budget form.

Total Investigation Costs do not include other costs, field purchases, report costs, handling charges, etc.

Other Costs	No.	Rate	Cost
Copies	134	\$ 0.10	\$ 13.40
Mileage for CW3M trips	1120	\$ 0.35	\$ 392.00
Per Diem	0	\$ 36.00	\$ -
Total Other			\$ 405.40

Other Costs/Field Purchases	No.	Rate	Cost
Color Copies	0	\$ 1.25	\$ -
Carbon Filter Purchase	0	\$ 600.00	\$ -
Manifests	0	\$ 1.00	\$ -
Truck Liner	0	\$ 4.00	\$ -
Bailers	13	\$ 12.00	\$ 156.00
Film	1	\$ 6.00	\$ 6.00
Photo Development & Copies	1	\$ 15.00	\$ 15.00
	0		
Postage			\$ 19.20
Drums	6	\$ 50.00	\$ 300.00
Total Field Purchases			\$ 496.20

Moweaqua Shell  
Moweaqua, Illinois

Sampling

Physical Soil Analysis			
Type	No.	Rate	Cost
Moisture Content	0	\$ 5.00	\$ -
Hydraulic Conductivity	0	\$ 900.00	\$ -
Particle Size, A.L., USCS	0	\$ 135.00	\$ -
SUBTOTAL: PHYSICAL SOIL ANALYSIS =			\$ -

Soil Analysis Costs			
Type	No.	Rate	Cost
BETX	24	\$ 75.00	\$ 1,800.00
PNA	24	\$ 175.00	\$ 4,200.00
Total Lead	0	\$ 20.00	\$ -
LUST Appendix B	1	\$ 900.00	\$ 900.00
Waste Char.	1	\$ 400.00	\$ 400.00
pH	0	\$ 10.00	\$ -
TCLP Barium	0	\$ 85.00	\$ -
TCLP Lead	24	\$ 85.00	\$ 2,040.00
SUBTOTAL: SOIL ANALYSIS COSTS =			\$ 9,340.00

Groundwater Analysis Costs			
Type	No.	Rate	Cost
BETX	13	\$ 75.00	\$ 975.00
PNA	13	\$ 175.00	\$ 2,275.00
Total Lead	13	\$ 20.00	\$ 260.00
Total Barium	0	\$ 20.00	\$ -
Waste Char.	1	\$ 375.00	\$ 375.00
SUBTOTAL: GW ANALYSIS COSTS =			\$ 3,885.00

TOTAL ANALYSIS COSTS			\$ 13,225.00 *
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\*This amount transfers to the Total Analysis Cost on F-2 of budget forms.

Moweaqua Shell  
Moweaqua, Illinois

Days

<b>Excavation</b>			
Contaminated Soil Excavation	4,501.32		c.y.
Recovery Trench Excavation	0.00		c.y.
Excavation Truck Loads	582.36		each
Landfill Travel Time	1.5		hours
Landfill Trips/Day	6.00		each
Excavation Truck	97.06	98	days
Excavation (based on trucking)	16.18	17	days
Rec. Trench Exc Loads	0.00		each
Rec. Exc. Truck	0.00	0	days
Rec. Trench Exc. (trucking)	0.00	0	days
Trackhoe Days	16.18	17	days
Backhoe Days	53.37	54	days
<b>Backfill</b>			
Septic Gravel Volume	0.00		c.y.
Septic Gravel Truck Loads	0.00		each
Septic Gravel Travel Time	2.7		hours
Septic Gravel Trips/Day	3.00		each
Septic Gravel Truck	0.00	0	days
Septic Gravel Days	0.00	0	days
Backfill CA-6 Aggregate	190.44		c.y.
Backfill Aggregate Truck Loads	26.78		each
Backfill Aggregate Travel Time	2.7		hours
Backfill Aggregate Trips/Day	3.00		each
Backfill Aggregate Truck	8.93	9	days
Backfill Aggregate Days	1.49	2	days
Backfill Sand	4761.01		c.y.
Backfill Sand Truck Loads	642.74		each
Backfill Sand Travel Time	2.7		hours
Backfill Sand Trips/Day	3.00		each
Backfill Sand Truck	214.25	215	days
Backfill Sand Days	35.71	36	days
Backfill Truck-Days	37.20	38	days
<b>CW3M Days</b>			
Site Preparation	1	1	days
Excavation	16.18	17	days
Backfill	37.20	38	days
Site Restoration	1	1	days
Total CW3M in Field	55.37	56	days

Moweaqua Shell  
Moweaqua, Illinois

Volume

Contaminated Soil Excavation Volume				
	Area	Depth	Volume	Volume
	(sq. ft.)	(ft.)	(cu. ft.)	(c.y.)
	8,499.00	13	110,487.00	4,092.11
	0.00	0	0.00	0.00
			Subtotal =	4,092.11 c.y.
			Subtotal w/ 10%=	4,501.32 c.y.

Recovery Trench Soil Disposal Volume				
Length	Width	Depth	Volume	Volume
(ft.)	(ft.)	(ft.)	(cu. ft.)	(c.y.)
0	8	4	0.00	0.00
0	0	0	0.00	0.00
	0		Subtotal =	0.00 c.y.
			Subtotal w/10%=	0.00 c.y.

Total Disposal Volume = 4092.11 c.y.  
Total Disposal Volume w/ 10%= 4501.32 c.y.

Septic Gravel for Recovery Trench				
	Area	Depth	Volume	Volume
	(sq. ft.)	(ft.)	(cu. ft.)	(c.y.)
	0	17	0.00	0.00
			with 10%=	0.00

Concrete for GWTU Trailer Pad				
	Area	Depth	Volume	Volume
	(sq. ft.)	(ft.)	(cu. ft.)	(c.y.)
	0	0	0	0.00
	0	0	0	0.00 Trailer Pad
			Total =	0.00 c.y.

Aggregate Gravel for Excavation Area				
	Area	Depth	Volume	Volume
	(sq. ft.)	(ft.)	(cu. ft.)	(c.y.)
	8,499.00	0.5	4249.5	173.13 c.y.
			with 10%=	190.44

Backfill Sand for Excavation Area				
	Area	Depth	Volume	Volume
	(sq. ft.)	(ft.)	(cu. ft.)	(c.y.)
	8,499.00	12.5	106237.5	4328.19 c.y.
			with 10%=	4761.01



Moweaqua Shell  
Moweaqua, Illinois

# Excavation

## Excavation Activities

Analysis	Rate		Qty.	Charges
BETX Analysis, Soil	\$ 75.00	/each	10	\$ 750.00
PNA Analysis, Soil	\$ 175.00	/each	10	\$ 1,750.00
TCLP Lead	\$ 85.00	/each	10	\$ 850.00
		/each		\$ -
Waste Characteristics, Soil	\$ 400.00	/each	1	\$ 400.00
Subtotal: Analysis/Excavation				\$ 3,750.00

CW3M Personnel	Rate		Qty.	Charges
Environmental Engineer	\$ 105.00	/hour	216.00	\$ 22,680.00
Senior Env. Engineer	\$ 115.00	/hour		\$ -
Senior Env. Geologist	\$ 92.00	/hour		\$ -
General Project Manager	\$ 100.00	/hour		\$ -
Env. Project Geologist	\$ 81.00	/hour		\$ -
Env. Project Scientist	\$ 81.00	/hour		\$ -
Engineering Technican	\$ 55.00	/hour		\$ -
Laborer	\$ 35.00	/hour		\$ -
Technical Editor	\$ 55.00	/hour		\$ -
Draftsman	\$ 55.00	/hour		\$ -
Office/Technical Coordinator	\$ 65.00	/hour		\$ -
Administrative Assistant	\$ 45.00	/hour		\$ -
Office Manager	\$ 40.00	/hour		\$ -
Principal	\$ 130.00	/hour		\$ -
Field Supervisor/Coordinator	\$ 110.00	/hour	216.00	\$ 23,760.00
Wastewater Trtmt. Operator	\$ 100.00	/hour		\$ -
Construction Foreman	\$ 65.00	/hour		\$ -
Subtotal: Personnel/Excavation				\$ 46,440.00

Equipment	Rate		Qty.	Charges
PID Rental	\$ 125.00	/day	0	\$ -
Subtotal Equipment/Exc.				\$ -

Subcontractor Costs	Rate		Qty.	Charges
UST Removal	\$ 1.00	/gal.		
Building Demolition	\$ 8,900.00	L.S.	1.00	\$ 8,900.00
Asbestos Inspection	\$ 900.00	/each	0.00	\$ -
Sand Backfill	\$ 6.00	/ton		
Aggregate Backfill	\$ 11.25	/ton		
Septic Gravel Backfill	\$ 7.75	/ton		
Concrete	\$ 61.00	/c.y.		
Disposal Charge	\$ 20.00	/ton	6,988.30	\$ 139,766.06
Trackhoe	\$ 125.00	/hour	170.00	\$ 21,250.00
Backhoe	\$ 85.00	/hour	170.00	\$ 14,450.00
Trucking Charge (10 c.y.)	\$ 65.00	/hour	882.00	\$ 57,330.00
End Loader	\$ 95.00	/hour	0.00	\$ -
Trucking Charge (15 c.y.)	\$ 85.00	/hour		\$ -

Moweaqua Shell  
Moweaqua, Illinois

Excavation

Baker Tank	\$ 1,200.00	/month		
Electrician	\$ 40.00	/hour		
Electrician Mileage	\$ 0.35	/mile		
Plumber/Inspector	\$ 45.00	/hour		
Plumber Mileage	\$ 0.35	/mile		
Subtotal Subcontractor/Exc.				\$ 241,696.06

Excavation Cost =				\$ 91,040.00	*
Transportation Cost =				\$ 57,330.00	*
Disposal Cost =				\$ 139,766.06	*
* These costs transfer to the Excavation, Transportation and Disposal Costs on Page L-1					

Other Costs	Rate		Qty.	Charge
Copies	\$ 0.10	/each		\$ -
Mileage for CW3M trips	\$ 0.35	/each	5040.00	\$ 1,764.00
Per Diem	\$ 36.00	/day		\$ -
				\$ -
				\$ -
Subtotal Other/Exc.				\$ 1,764.00

Other Costs/Field Purchases				
Color Copies	\$ 1.25	/each		\$ -
Carbon Filter Purchase	\$ 600.00	/each		\$ -
Manifests	\$ 1.00	/each	582.00	\$ 582.00
Truck Liner	\$ 4.00	/each	582.00	\$ 2,328.00
Bailers	\$ 12.00	/each		\$ -
Film	\$ 6.00	/each	1	\$ 6.00
Photo Development & Copies	\$ 15.00	/each	1	\$ 15.00
				\$ -
Postage				
Drums	\$ 50.00	/each		\$ -
Subtotal Field Purchases/Exc.				\$ 2,931.00

Total Field, Other, Subcontractor/Exc.			\$ 246,391.06
Amount to Apply Handling Charge			\$ 248,377.06

Moweaqua Shell  
Moweaqua, Illinois

# Backfill

## Backfill Activities

CW3M Personnel	Rate		Qty.	Charges
Environmental Engineer	\$ 105.00	/hour	10.00	\$ 1,050.00
Senior Env. Engineer	\$ 115.00	/hour		\$ -
Senior Env. Geologist	\$ 92.00	/hour		\$ -
General Project Manager	\$ 100.00	/hour		\$ -
Env. Project Geologist	\$ 81.00	/hour		\$ -
Env. Project Scientist	\$ 81.00	/hour		\$ -
Engineering Technican	\$ 55.00	/hour	263.25	\$ 14,478.75
Laborer	\$ 35.00	/hour	175.50	\$ 6,142.50
Technical Editor	\$ 55.00	/hour		\$ -
Draftsman	\$ 55.00	/hour		\$ -
Office/Technical Coordinator	\$ 65.00	/hour		\$ -
Administrative Assistant	\$ 45.00	/hour		\$ -
Office Manager	\$ 40.00	/hour		\$ -
Principal	\$ 130.00	/hour		\$ -
Field Supervisor/Coordinator	\$ 110.00	/hour	351.00	\$ 38,610.00
Wastewater Trtmt. Operator	\$ 100.00	/hour		\$ -
Construction Foreman	\$ 65.00	/hour		\$ -
Subtotal:Personnel/Backfill				\$ 60,281.25

Equipment	Rate		Qty.	Charges
Subtotal Equipment/Exc.				

Subcontractor Costs	Rate		Qty.	Charges
Sand Backfill	\$ 6.00	/ton	7712.84	\$ 46,277.06
Aggregate Backfill	\$ 11.25	/ton	321.37	\$ 3,615.39
Septic Gravel Backfill	\$ 7.75	/ton	0	\$ -
Concrete for Trailer Pad	\$ 61.00	/c.y.	0.00	\$ -
Disposal Charge	\$ 20.00	/ton		\$ -
Trackhoe	\$ 125.00	/hour		\$ -
Backhoe	\$ 85.00	/hour	380.00	\$ 32,300.00
Trucking Charge (10 c.y.)	\$ 65.00	/hour	1120.00	\$ 72,800.00
End Loader	\$ 95.00	/hour	0.00	\$ -
Trucking Charge (15 c.y.)	\$ 85.00	/hour		\$ -
Baker Tank	\$ 1,200.00	/month		\$ -
Electrician	\$ 40.00	/hour		\$ -
Electrician Mileage	\$ 0.35	/mile		\$ -
Plumber/Inspector	\$ 45.00	/hour		\$ -
Plumber Mileage	\$ 0.35	/mile		\$ -
Subtotal:Subcontractor/Back				\$ 154,992.45

Total Backfill Costs =				\$ 215,273.70	*
* This is the backfill cost on PageL-2 of the IEPA budget form.					

Other Costs	Rate		Qty.	Charge
Copies	\$ 0.10	/each		\$ -

Moweaqua Shell  
Moweaqua, Illinois

Backfill

Mileage for CW3M Trips	\$ 0.35 /mile	9,520.00	\$ 3,332.00
Per Diem	\$ 36.00 /day		\$ -
			\$ -
			\$ -
Subtotal Other/Backfill			\$ 3,332.00

Other Costs/Field Purchases	Rate		Qty.	Charge
Color Copies	\$ 1.25 /each			\$ -
Carbon Filter Purchase	\$ 600.00 /each			\$ -
Manifests	\$ 1.00 /each			\$ -
Truck Liner	\$ 4.00 /load			\$ -
Bailers	\$ 12.00 /each			\$ -
Film	\$ 6.00 /each		1	\$ 6.00
Photo Development & Copies	\$ 15.00 /each		1	\$ 15.00
				\$ -
Postage				
Drums	\$ 50.00 /each			\$ -
Subtotal Fld Purchases/Back				\$ 21.00

Total Field, Other, Subcontractor/Backfill			\$ 158,345.45
Amount to Apply Handling Charge			\$ 155,013.45

Moweaqua Shell  
Moweaqua, Illinois

Trench

CW3M Personnel	Rate		Arrangements and Mobilization		Installation	
			Qty.	Charges	Qty.	Charges
Environmental Engineer	\$ 105.00	/hour	0	\$ -	0.00	\$ -
Senior Env. Engineer	\$ 115.00	/hour		\$ -		\$ -
Senior Env. Geologist	\$ 92.00	/hour	0	\$ -		\$ -
General Project Manager	\$ 100.00	/hour		\$ -		\$ -
Env. Project Geologist	\$ 81.00	/hour		\$ -		\$ -
Env. Project Scientist	\$ 81.00	/hour		\$ -		\$ -
Engineering Technican	\$ 55.00	/hour		\$ -	0.00	\$ -
Laborer	\$ 35.00	/hour		\$ -		\$ -
Technical Editor	\$ 55.00	/hour		\$ -		\$ -
Draftsman	\$ 55.00	/hour		\$ -		\$ -
Office/Technical Coordinator	\$ 65.00	/hour		\$ -		\$ -
Administrative Assistant	\$ 45.00	/hour		\$ -		\$ -
Office Manager	\$ 40.00	/hour	0	\$ -		\$ -
Principal	\$ 130.00	/hour		\$ -		\$ -
Field Supervisor/Coordinator	\$ 110.00	/hour	0	\$ -	0.00	\$ -
Wastewater Trtmt. Operator	\$ 100.00	/hour		\$ -		\$ -
Construction Foreman	\$ 65.00	/hour			0.00	\$ -
Subtotal:Personnel/Trench				\$ -		\$ -

Equipment	Rate		Qty.	Charges	Qty.	Charges
Survey Equipment Rental	\$ 65.00	/day	0	\$ -		
Subtotal Equipment/Trench				\$ -		

Subcontractor Costs	Rate		Qty.	Charges	Qty.	Charges
Sand Backfill	\$ 6.00	/ton		\$ -		\$ -
Aggregate Backfill	\$ 11.25	/ton		\$ -		\$ -
Septic Gravel Backfill	\$ 7.75	/ton		\$ -	0.00	\$ -
Concrete	\$ 61.00	/c.y.		\$ -	0.00	\$ -
Disposal Charge	\$ 20.00	/ton		\$ -	0.00	\$ -
Trackhoe	\$ 125.00	/hour		\$ -	0.00	\$ -
Backhoe	\$ 85.00	/hour		\$ -	0.00	\$ -
Trucking Charge (10 c.y.)	\$ 65.00	/hour		\$ -	0.00	\$ -
End Loader	\$ 95.00	/hour		\$ -	0.00	\$ -
Trucking Charge (15 c.y.)	\$ 85.00	/hour		\$ -	0.00	\$ -
Baker Tank	\$ 1,200.00	/month		\$ -		\$ -
Electrician	\$ 40.00	/hour		\$ -		\$ -
Electrician Mileage	\$ 0.35	/mile		\$ -		\$ -
Plumber/Inspector	\$ 45.00	/hour		\$ -		\$ -
Plumber Mileage	\$ 0.35	/mile		\$ -		\$ -
Drill Rig Mobilization	\$ 260.00	/each		\$ -	0.00	\$ -
Replacement MW Install. 15ft	\$ 450.00	/each		\$ -	0.00	\$ -
Recovery Sump Installation	\$ 2,500.00	/each		\$ -	0.00	\$ -
Recovery Well Installation	\$ 800.00	/each		\$ -	0.00	\$ -
Subtotal Subcontractor/Trench				\$ -		\$ -

Moweaqua Shell  
Moweaqua, Illinois

Trench

Other Costs	Rate		Arrangements and Mobilization		Installation	
			Qty.	Charges	Qty.	Charges
Copies	\$ 0.10	/each		\$ -		\$ -
Mileage for CW3M Trips	\$ 0.35	/mile		\$ -	0	\$ -
Per Diem	\$ 36.00	/day		\$ -		\$ -
				\$ -		\$ -
				\$ -		\$ -
Subtotal Other/Trench				\$ -		\$ -

Other Costs/Field Purchases	Rate		Qty.	Charges	Qty.	Charges
Color Copies	\$ 1.25	/each		\$ -		\$ -
Carbon Filter Purchase	\$ 600.00	/each		\$ -		\$ -
Manifests	\$ 1.00	/each		\$ -	0.00	\$ -
Truck Liner	\$ 4.00	/each		\$ -	0.00	\$ -
Bailers	\$ 12.00	/each		\$ -		\$ -
Film	\$ 6.00	/each		\$ -	0	\$ -
Photo Development & Copies	\$ 15.00	/each		\$ -	0	\$ -
Piping/Hose/Fittings	\$ 4,000.00	L.S.		\$ -	0	\$ -
Postage				\$ -		\$ -
Drums	\$ 50.00	/each		\$ -		\$ -
Subtotal Field/Trench				\$ -		\$ -

Total Field, Other, Subcontractor/Trench			\$ -		\$ -
Amount to Apply Handling Charge			\$ -		\$ -

Moweaqua Shell  
Moweaqua, Illinois

Groundwater

No. of Monitoring Wells =

6

Analysis	Rate		Groundwater Survey and Sampling		Monitoring Well Replacement			
			Qty.	Charges	Qty.	Charges	Qty.	Charges
BETX Analysis, Plant	\$ 75.00	/each		\$ -	0	\$ -	0	\$ -
PNA Analysis, Plant	\$ 175.00	/each		\$ -	0	\$ -	0	\$ -
Total Lead, Plant	\$ 20.00	/each			0	\$ -	0	\$ -
Total Barium, Plant	\$ 20.00	/each			0	\$ -	0	\$ -
BETX Analysis, Groundwater	\$ 75.00	/each	6	\$ 450.00		\$ -		\$ -
PNA Analysis, Groundwater	\$ 175.00	/each	6	\$ 1,050.00		\$ -		\$ -
Total Lead, Groundwater	\$ 20.00	/each	6	\$ 120.00				
Total Barium, Groundwater	\$ 20.00	/each	0	\$ -				
Subtotal: Analysis				\$ 1,620.00		\$ -		\$ -

Subtotal Analysis Costs=

\$ 1,620.00 (Total = Variable + Annual Costs)

CW3M Personnel	Rate		Qty.	Charges	Qty.	Charges	Qty.	Charges
Environmental Engineer	\$ 105.00	/hour		\$ -	8	\$ 840.00		\$ -
Senior Env. Engineer	\$ 115.00	/hour		\$ -		\$ -		\$ -
Senior Env. Geologist	\$ 92.00	/hour	1	\$ 92.00	1	\$ 92.00		\$ -
General Project Manager	\$ 100.00	/hour		\$ -		\$ -		\$ -
Env. Project Geologist	\$ 81.00	/hour	8	\$ 648.00	8	\$ 648.00		\$ -
Env. Project Scientist	\$ 81.00	/hour		\$ -		\$ -		\$ -
Engineering Technician	\$ 55.00	/hour	8	\$ 440.00		\$ -		\$ -
Laborer	\$ 35.00	/hour		\$ -		\$ -		\$ -
Technical Editor	\$ 55.00	/hour		\$ -		\$ -		\$ -
Draftsman	\$ 55.00	/hour		\$ -		\$ -		\$ -
Office/Technical Coordinator	\$ 65.00	/hour		\$ -		\$ -		\$ -
Administrative Assistant	\$ 45.00	/hour	1	\$ 45.00	1	\$ 45.00		\$ -
Office Manager	\$ 40.00	/hour		\$ -		\$ -		\$ -
Principal	\$ 130.00	/hour		\$ -		\$ -		\$ -
Field Supervisor/Coordinator	\$ 110.00	/hour		\$ -		\$ -		\$ -
Wastewater Trtmt. Operator	\$ 100.00	/hour		\$ -		\$ -		\$ -
Subtotal				\$ 1,225.00		\$ 1,625.00		\$ -

GW Personnel Costs=

\$ 2,850.00 (Total = Variable + Annual Costs)

Equipment	Rate		Qty.	Charges	Qty.	Charges	Qty.	Charges
Survey Equipment Rental	\$ 65.00	/day	1	\$ 65.00				
Water Level Indicator	\$ 15.00	/day	1	\$ 15.00				
Subtotal Equip				\$ 80.00				

Equipment Costs=

\$ 80.00 (Total = Variable + Annual Costs)

Subcontractor Charges	Rate		Qty.	Charges	Qty.	Charges	Qty.	Charges
Carbon-Filter Disposal	\$ 1,000.00	/each	0	\$ -		\$ -		\$ -
Electricity	\$ 200.00	/mo.	0	\$ -		\$ -		\$ -
Telephone Line (autodialer)	\$ 30.00	/mo.	0	\$ -				

Moweaqua Shell  
Moweaqua, Illinois

Groundwater

Sewer Disposal Charge	\$ 0.001 /gal.	0	\$ -	\$ -	\$ -
Subtotal Subcontractors			\$ -	\$ -	\$ -

Subtotal Year 1 Subcontractor Costs= \$ - (Total = Variable + Annual Costs)

Other Costs	Rate	Qty.	Charges
Copies	\$ 0.10 /each	-	\$ -
Mileage for CW3M Trips	\$ 0.35 /mile	140	\$ 49.00
Per Diem	\$ 36.00 /day		\$ -
			\$ -

Maintenance Cost	\$ 750.00 /mont	0	\$ -
Subtotal Year 1 Other			\$ 49.00

Other Costs/Field Purch.	Rate	Qty.	Charges
Color Copies	\$ 1.25 /each		\$ -
Carbon Filter Purchase	\$ 600.00 /each	0	\$ -
Manifests	\$ 1.00 /each		\$ -
Truck Liner	\$ 4.00 /each		\$ -
Bailers	\$ 12.00 /each	6	\$ 72.00
Film	\$ 6.00 /each		\$ -
Photo Development & Copies	\$ 15.00 /each		\$ -
Survey Equipment Rental	\$ 65.00 /day		\$ -
Postage			\$ -
Drums	\$ 50.00 /each		\$ -
Subtotal Year 1 Field			\$ 72.00

Total Year 1 Costs = \$ 4,671.00

Total Field, Other, Subcontractor		\$ 121.00
Amount to Apply Handling Charge		\$ 1,692.00



Moweaqua Shell  
Moweaqua, Illinois

Reporting

Site Investigation Report/CAP

CW3M Personnel	Rate		Qty.	Charges
Environmental Engineer	\$ 105.00	/hour	52.25	\$ 5,486.25
Senior Env. Engineer	\$ 115.00	/hour	0	\$ -
Senior Env. Geologist	\$ 92.00	/hour	9	\$ 828.00
General Project Manager	\$ 100.00	/hour	3	\$ 300.00
Env. Project Geologist	\$ 81.00	/hour	6.25	\$ 506.25
Env. Project Scientist	\$ 81.00	/hour	0.25	\$ 20.25
Engineering Technican	\$ 55.00	/hour	0	\$ -
Laborer	\$ 35.00	/hour	0	\$ -
Technical Editor	\$ 55.00	/hour	6	\$ 330.00
Draftsman	\$ 55.00	/hour	13.5	\$ 742.50
Office/Technical Coordinator	\$ 65.00	/hour	0	\$ -
Administrative Assistant	\$ 45.00	/hour	3	\$ 135.00
Office Manager	\$ 40.00	/hour	1	\$ 40.00
Principal	\$ 130.00	/hour	0	\$ -
Field Supervisor/Coordinator	\$ 110.00	/hour	0	\$ -
Wastewater Trtmt. Operator	\$ 100.00	/hour	0	\$ -
Subtotal Personnel SI/CAP				\$ 8,388.25

Other SI/CAP	Rate		Qty.	Charges
Copies	\$ 0.10	/each	1063	\$ 106.30

Field SI/CAP	Rate		Qty.	Charges
Color Copies	\$ 1.25	/each	0	\$ -
Postage				\$ 20.00
Subtotal Reporting SI/CAP				\$ 20.00

CACR/GW CAP

CW3M Personnel	Rate		Qty.	Charges
Environmental Engineer	\$ 105.00	/hour	20	\$ 2,100.00
Senior Env. Engineer	\$ 115.00	/hour	2	\$ 230.00
Senior Env. Geologist	\$ 92.00	/hour	12	\$ 1,104.00
General Project Manager	\$ 100.00	/hour	4	\$ 400.00
Env. Project Geologist	\$ 81.00	/hour	8	\$ 648.00
Env. Project Scientist	\$ 81.00	/hour	0	\$ -
Engineering Technican	\$ 55.00	/hour	0	\$ -
Laborer	\$ 35.00	/hour	0	\$ -
Technical Editor	\$ 55.00	/hour	5	\$ 275.00
Draftsman	\$ 55.00	/hour	5	\$ 275.00
Office/Technical Coordinator	\$ 65.00	/hour	0	\$ -
Administrative Assistant	\$ 45.00	/hour	4	\$ 180.00
Office Manager	\$ 40.00	/hour	1	\$ 40.00
Principal	\$ 130.00	/hour	1	\$ 130.00
Field Supervisor/Coordinator	\$ 110.00	/hour	0	\$ -
Wastewater Trtmt. Operator	\$ 100.00	/hour	0	\$ -

Moweaqua Shell  
Moweaqua, Illinois

Reporting

Subtotal Personnel/Closure Rept.				\$ 5,382.00
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Other CACR/GW CAP	Rate		Qty.	Charges
Copies	\$ 0.10	/each	400	\$ 40.00

Field CACR/GW CAP	Rate		Qty.	Charges
Color Copies	\$ 1.25	/each	50	\$ 62.50
Postage				\$ 12.00
Subtotal Reporting Progress				\$ 74.50

Reimbursement Claim Preparation				
CW3M Personnel	Rate		Qty.	Charges
Environmental Engineer	\$ 105.00	/hour	0	\$ -
Senior Env. Engineer	\$ 115.00	/hour	5.25	\$ 603.75
Senior Env. Geologist	\$ 92.00	/hour	20	\$ 1,840.00
General Project Manager	\$ 100.00	/hour	10	\$ 1,000.00
Env. Project Geologist	\$ 81.00	/hour	0	\$ -
Env. Project Scientist	\$ 81.00	/hour	0	\$ -
Engineering Technican	\$ 55.00	/hour	0	\$ -
Laborer	\$ 35.00	/hour	0	\$ -
Technical Editor	\$ 55.00	/hour	0	\$ -
Draftsman	\$ 55.00	/hour	0	\$ -
Office/Technical Coordinator	\$ 65.00	/hour	0	\$ -
Administrative Assistant	\$ 45.00	/hour	28	\$ 1,260.00
Office Manager	\$ 40.00	/hour	2	\$ 80.00
Principal	\$ 130.00	/hour	0	\$ -
Field Supervisor/Coordinator	\$ 110.00	/hour	0	\$ -
Wastewater Trtmt. Operator	\$ 100.00	/hour	0	\$ -
Subtotal Personnel/Reimbursement Claims				\$ 4,783.75

Other Reimbursement	Rate		Qty.	Charges
Copies	\$ 0.10	/each	1235	\$ 123.50

Field Reimbursement	Rate		Qty.	Charges
Color Copies	\$ 1.25	/each	0	\$ -
Postage				\$ 20.00
Subtotal Reimbursement Prep.				\$ 20.00

Total Field, Other/SA-CAP				\$ 126.30
Amount to Apply Handling Charge				\$ 20.00

Total Field, Other/CACR/GW CAP				\$ 114.50
Amount to Apply Handling Charge				\$ 74.50

Moweaqua Shell  
Moweaqua, Illinois

Reporting

Total Field, Other/Reimbursement Prep			\$	143.50
Amount to Apply Handling Charge			\$	20.00

Notes:

1. Report Preparation Costs include development of field reports, documentation of site investigation activities, reviewing and logging soil and groundwater analytical data, plume delineation, drilling summaries, well completion reports, drafting, off-site property owner correspondence, corrective action design and engineering development of site assessment report, corrective action plan, CACR/GW CAP and reimbursement package preparation.



## ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276, 217-782-3397  
JAMES R. THOMPSON CENTER, 100 WEST RANDOLPH, SUITE 11-300, CHICAGO, IL 60601, 312-814-6026

ROD R. BLAGOJEVICH, GOVERNOR

RENEE CIPRIANO, DIRECTOR

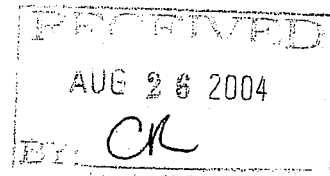
217/782-6762

CERTIFIED MAIL

7002 3150 0000 1113 5021

AUG 25 2004

Keller Oil Co.  
Attn: Charles Keller  
P.O. Box 70  
Effingham, IL 62401



Re: LPC #1734205006 -- Shelby County  
Moweaqua/Keller Oil Co.  
201 South Main  
LUST Incident No. 981937  
LUST Technical File

Dear Mr. Henry:

The Illinois Environmental Protection Agency (Illinois EPA) has reviewed the High Priority Corrective Action Plan (plan) submitted for the above-referenced incident. This information, dated May 12, 2004, was received by the Illinois EPA on May 13, 2004. Citations in this letter are from the Environmental Protection Act (Act) and 35 Illinois Administrative Code (35 Ill. Adm. Code).

Pursuant to Section 57.7(c)(4)(D) of the Act and 35 Ill. Adm. Code 732.405(c), the plan is rejected for the following reason(s):

In accordance with Section 57.7(c)(4) of the Act and 35 Ill. Adm. Code 732.503(b), any action by the Illinois EPA to disapprove or modify a plan or budget submitted pursuant to Title XVI of the Act shall be provided to the owner or operator in writing within 120 days of receipt.

The Illinois EPA previously notified the owner or operator of its final action. Further, in accordance with Section 57.7(c)(4) of the Act and 35 Ill. Adm. Code 732.503(f), the Illinois EPA's action to reject or require modification of the plan or budget, or the rejection of any plan or budget by operation of law, was subject to appeal to the Illinois Pollution Control Board within 35 days after the Illinois EPA's final action. Pursuant to Sections 57.7(a)(1) and 57.7(c)(4)(D) of the Act and 35 Ill. Adm. Code 732.405(e) and 732.503(b), the associated budget is rejected for the following reason(s):

The budget is associated with the aforementioned plan.

EXHIBIT

2

Page 2

Pursuant to 35 Ill. Adm. Code 732.401, the Illinois EPA requires submittal of a revised plan, and budget if applicable, within ninety (90) days of the date of this letter to:

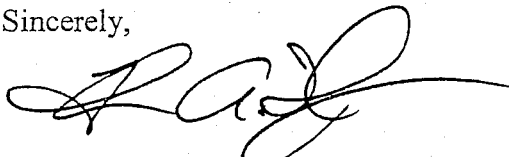
Illinois Environmental Protection Agency  
Bureau of Land - #24  
Leaking Underground Storage Tank Section  
1021 North Grand Avenue East  
Post Office Box 19276  
Springfield, IL 62794-9276

Please submit all correspondence in duplicate and include the Re: block shown at the beginning of this letter.

An underground storage tank system owner or operator may appeal this decision to the Illinois Pollution Control Board. Appeal rights are attached.

If you have any questions or need further information, please contact Chris Covert at 217/785-3943.

Sincerely,



Thomas A. Henninger  
Unit Manager  
Leaking Underground Storage Tank Section  
Division of Remediation Management  
Bureau of Land

TAH:CC\

Attachment: Appeal Rights

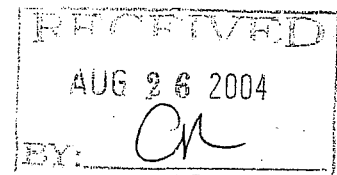
cc: CW<sup>3</sup>M Company, Inc.  
Division File

## Appeal Rights

An underground storage tank owner or operator may appeal this final decision to the Illinois Pollution Control Board pursuant to Sections 40 and 57.7(c)(4)(D) of the Act by filing a petition for a hearing within 35 days after the date of issuance of the final decision. However, the 35-day period may be extended for a period of time not to exceed 90 days by written notice from the owner or operator and the Illinois EPA within the initial 35-day appeal period. If the owner or operator wishes to receive a 90-day extension, a written request that includes a statement of the date the final decision was received, along with a copy of this decision, must be sent to the Illinois EPA as soon as possible.

For information regarding the filing of an appeal, please contact:

Dorothy Gunn, Clerk  
Illinois Pollution Control Board  
State of Illinois Center  
100 West Randolph, Suite 11-500  
Chicago, IL 60601  
312/814-3620



For information regarding the filing of an extension, please contact:

Illinois Environmental Protection Agency  
Division of Legal Counsel  
1021 North Grand Avenue East  
Post Office Box 19276  
Springfield, IL 62794-9276  
217/782-5544