

BEFORE THE POLLUTION CONTROL BOARD
OF THE STATE OF ILLINOIS

RECEIVED
CLERK'S OFFICE

APR 08 2005

STATE OF ILLINOIS
Pollution Control Board

HARVEY B. WHITTAKER,

Petitioner,

v.

ILLINOIS ENVIRONMENTAL
PROTECTION AGENCY,

Respondent.

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PCB 05- 184
(UST Appeal)

NOTICE OF FILING

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

PLEASE TAKE NOTICE that on April 8, 2005, filed with the Clerk of the Illinois Pollution Control Board of the State of Illinois an original, executed copy of a Petition for Review of Illinois Environmental Protection Agency Decision.

Dated: April 8, 2005

Respectfully submitted,

Harvey B. Whittaker

By: Carolyn S Hesse
One of Its Attorneys

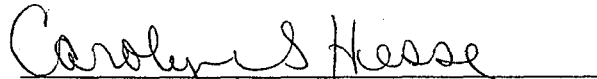
Carolyn S. Hesse
Barnes & Thornburg LLP
One North Wacker Drive
Suite 4400
Chicago, Illinois 60606
(312) 357-1313
266611v1

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 8th Day of April, 2005.



Carolyn S. Hesse

RECEIVED
CLERK'S OFFICE

APR 08 2005

STATE OF ILLINOIS
Pollution Control Board

BEFORE THE POLLUTION CONTROL BOARD
OF THE STATE OF ILLINOIS

HARVEY B. WHITTAKER)

Petitioner,)

v.)

ILLINOIS ENVIRONMENTAL)
PROTECTION AGENCY,)

Respondent.)

PCB No. 05- 184

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

Harvey B. Whittaker, 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. Harvey B. Whittaker ("Petitioner"), is the owner of a gasoline service station located at the Corner of Federal and Main, Perry, Pike County, Illinois (the "Station"). The Station had underground storage tanks (UST's) on the property, which stored gasoline and diesel fuel.
2. LUST Incident Number 971835 was obtained following a site investigation. The site has also been assigned LPC #1490705004, Pike County.
3. On November 1, 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

November 3, 2004. The letter forwarding the Budget stated that the “Budget Amendment 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 and the Act.” (See Exhibit A, p. 1.) The Budget included signed certifications to the effect that the submitted Budget complied with the Environmental Protection Act. (See Exhibit 1, 3rd page.) IEPA, on December 5, 2001, approved the Corrective Action Plan for which the Budget was submitted.

4. By letter dated March 2, 2005, the Agency sent a letter to Petitioner rejecting the High Priority Corrective Action Plan Budget (the “Budget”). (See Exhibit 2.) The letter stated that the Budget was rejected for the reasons listed in Attached A. Attached A essentially stated that this Budget was rejected because a prior budget was rejected.
5. The Agency’s letter does not state that the Agency reviewed the Budget and provides no additional information regarding why IEPA disapproved the Budget. Upon information and belief, the Agency did not review the Budget.
6. 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

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

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.

Emphasis added.

7. 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.
8. Section 47(a) of the Act states as follows: “The State of Illinois and all its agencies, institutions, officers and subdivisions shall comply with all requirements, prohibitions, and other provisions of the Act and of regulations adopted thereunder.”
9. By refusing to review the Budget, the Agency failed to comply with Section 732.505 and violated Section 47(a) of the Act.
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.
12. Petitioner is appealing the Agency’s continuing failure to review the Budget in compliance with the Act and its implementing regulations.

WHEREFORE, Harvey B. Whittaker respectfully requests that the Board enter an order requiring the Agency to comply with the Act and its implementing regulations, to approve the High Priority Corrective Action Plan Budget to allow Harvey B. Whittaker to cover the costs of the cleanup at this facility and for Harvey B. Whittaker's attorneys' fees and costs in bringing this appeal.

Respectfully submitted,

Harvey B. Whittaker

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
266609v1

CW³M Company

Environmental Consulting Services

701 West South Grand
Springfield, IL 62704

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

November 1, 2004

Mr. James S. Ransdell, Project Manager
Illinois Environmental Protection Agency
Bureau of Land, LUST Section
1021 North Grand Avenue East
PO Box 19276
Springfield, IL 62794-9276

Re: **LPC #1490705004—Pike County**
Perry/Whittaker, Harvey B. (Shad's Service)
Federal and Maine Streets
LUST Incident Number 97-1835
LUST Technical File -Corrective Action Plan Budget Amendment

Dear Mr. Ransdell:

This Corrective Action Plan (CAP) Budget Amendment for soil is being submitted in order to implement the CAP approved for Shad's Service on December 5, 2001. The CAP Budget Amendment 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 and the Act.

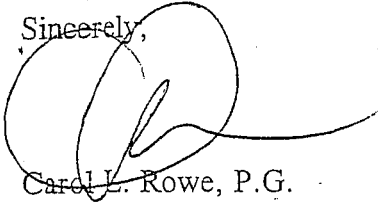
The budget amendment includes a complete estimate of the required costs and subtracts out the previously approved amounts described in the Agency's April 22, 2002 letter to Harvey Whittaker on the B-1a page. This budget amendment is being submitted pursuant to Section 732.405(e) which states:

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.

Given the years that have passed since the original submittal, following our review of the deductions and the associated budget, adjustments have had to be made. Specifically, the landfill costs and personnel have been adjusted to reflect current market conditions. It has been determined that the remaining requested amount will be necessary in order to complete the approved work in compliance with the regulations. We are asking that this project be reviewed on a time-and-materials basis, in the manner in which it has been submitted.

If you have any questions, please contact Mr. Vince Smith or me at 217-522-8001.

Sincerely,

A handwritten signature in black ink, appearing to be 'Carol L. Rowe', written over the word 'Sincerely,'.

Carol L. Rowe, P.G.
Senior Environmental Geologist

xc: Mr. Harvey Whittaker, *Shad's Service*
Mr. William T. Sinnott, *CW³M Company, Inc.*

D:\CW3M Projects\Shads\CAP\CAP 10-04\cap cl.doc

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 Shad's Service 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:

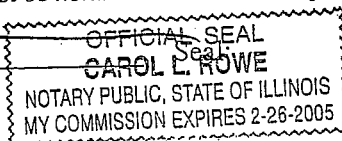
- Costs associated with ineligible tanks.
- Costs associated with site restoration (e.g., pump islands, canopies).
- Costs associated with utility replacement (e.g., sewers, electrical, telephone, etc.).
- Costs incurred prior to IEMA notification.
- Costs associated with planned tank pulls.
- Legal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

Owner/Operator: Harvey B. Whittaker Title: Owner

Signature: [Signature] Date: 8/13/04

Subscribed and sworn to before me the 13th day of August, 2004
(Budget Proposals and Budget Amendments must be notarized when the certification is signed.)

[Signature]
(Notary Public)

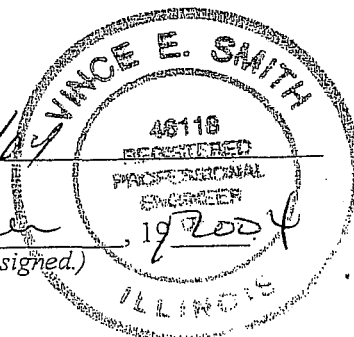


P.E.: Vince E. Smith

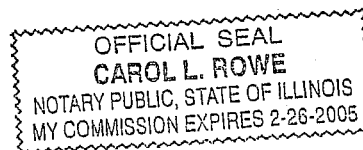
P.E. Signature: [Signature] Date: 11/1/04

Subscribed and sworn to before me the 1st day of November, 2004
(Budget Proposals and Budget Amendments must be notarized when the certification is signed.)

[Signature]
(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.



IEMA No. 97-1835

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: Mr. Harvey B. Whittaker/Shad's Service

Send in care of: CW3M Company, Inc.

Address: P.O. Box 571

City: 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: X 101 or more: _____

Number 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: 1

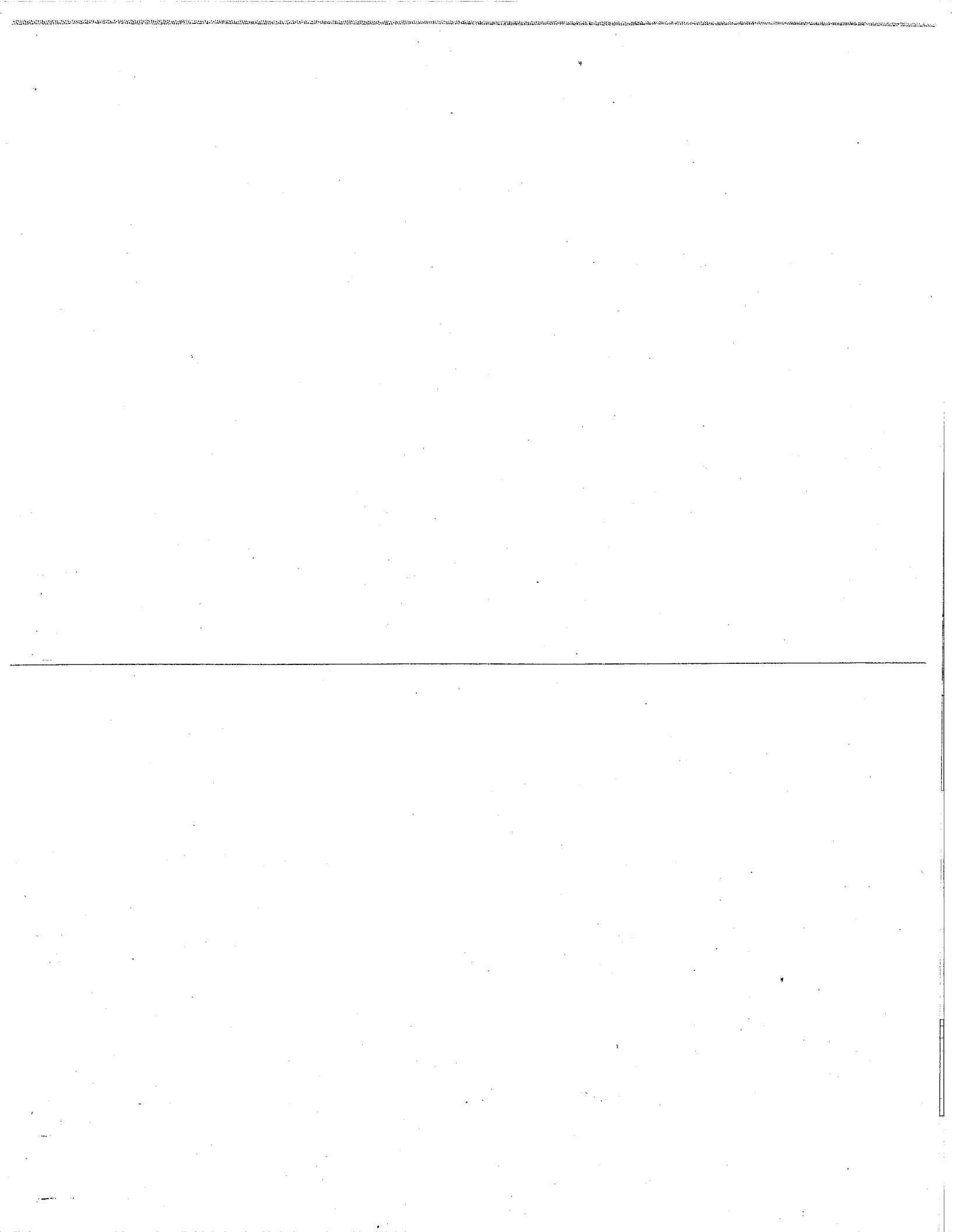
Incident Numbers assigned to the site due to releases from USTs: 97-1835

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>2,000</u>	<u>Yes</u>	<u>No</u>	<u>97-1835</u>	<u>Overfill</u>
<u>Diesel</u>	<u>550</u>	<u>Yes</u>	<u>No</u>	<u>97-1835</u>	<u>Tank</u>
<u>Gasoline</u>	<u>1,000</u>	<u>Yes</u>	<u>No</u>	<u>97-1835</u>	<u>Tank</u>
<u>Gasoline</u>	<u>550</u>	<u>Yes</u>	<u>No</u>	<u>97-1835</u>	<u>Tank</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>	_____	_____

B. PROPOSED BUDGET SUMMARY AND BUDGET TOTAL

	PROPOSED TOTALS	PREVIOUSLY APPROVED	TOTAL REQUESTED
1. Investigation Costs:	\$ 3,515.00	\$ 3,515.00	\$ -
2. Analysis Costs:	\$ 2,125.00	\$ 2,125.00	\$ -
3. Personnel Costs:	\$ 76,613.00	\$ 28,423.50	\$ 48,189.50
4. Equipment Costs:	\$ 398.50	\$ 398.50	\$ -
5. Field Purchases and Other Costs:	\$ 116,364.01	\$ 42,132.14	\$ 74,231.87
6. Handling Charges:	\$ 7,278.93	\$ 7,138.44	\$ 140.49
<hr/>			
TOTAL PROPOSED BUDGET =	\$ 122,561.86		



B. PROPOSED BUDGET SUMMARY AND BUDGET TOTAL

1. Investigation Costs:	\$	<u>3,515.00</u>
2. Analysis Costs:	\$	<u>2,125.00</u>
3. Personnel Costs:	\$	<u>76,613.00</u>
4. Equipment Costs:	\$	<u>398.50</u>
5. Field Purchases and Other Costs:	\$	<u>116,364.01</u>
6. Handling Charges:	\$	<u>7,278.93</u>

TOTAL PROPOSED BUDGET = \$ 206,294.44

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).

_____ borings to 15 feet = _____ feet to be bored for investigation/monitoring
3 borings to 25 feet = 75 feet to be bored for investigation/monitoring
 _____ borings to 10 feet = _____ feet to be bored for investigation
 _____ borings to 50 feet = _____ feet to be bored for classification
 _____ borings to 15 feet = _____ feet to be bored for investigation/migratory

Total Feet to be Bored: 75

Borings: 75 feet x \$ 17.00 per foot = \$ 1,275.00 (or)

Hours _____ x \$ _____ per hour = \$ _____

_____ borings through _____ ft of bedrock = _____ Ft bedrock to be bored
 _____ borings-through _____ ft-of-bedrock = _____ Ft bedrock to be bored

Total Feet bedrock to be Bored: _____

Borings: _____ Ft bedrock x \$ _____ per ft bedrock = \$ _____ (or)

_____ Hours x \$ _____ per Hour = \$ _____

1 # of Mobilizations @ \$ 260 per mobilization = \$ 260.00

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.

E-1 INVESTIGATION

This form must be submitted In duplicate.

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		450	\$0.00
20 foot		500	\$0.00
25 foot	3	550	\$1,650.00
35 foot		600	\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
		Total	\$1,650.00

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: 2 drums x \$ 65 per drum = \$ 130.00

Disposal of Water: 100 gallons x \$ 2 per gallon = \$ 200.00

Transportation Costs: \$ 0.00

Describe how the water/soil will be disposed: _____

TOTAL INVESTIGATION COSTS \$3,515.00

E-2 INVESTIGATION

This form must be submitted in duplicate.

F. ANALYSIS COSTS

INVESTIGATION & 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.

_____ BTEX samples x \$ 75.00 per sample = \$ _____ -

_____ PNA samples x \$ 175.00 per sample = \$ _____ -

_____ TACO Parameters x \$ 85.00 per sample = \$ _____ -

F-1 INVESTIGATION

This form must be submitted in duplicate

_____ pH Samples x \$ _____ per sample = \$ _____ -
 _____ Paint Filter samples x \$ _____ per sample = \$ _____ -
 _____ TCLP @ samples x \$ _____ per sample = \$ _____ -
 _____ Flash Point samples x \$ _____ per sample = \$ _____ -
 _____ Lab and/or Field Bank samples x \$ _____ per sample = \$ _____ -
 _____ samples x \$ _____ per sample = \$ _____ -
 _____ Waste Char. samples x \$ 400.00 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.

_____ 3 BTEX samples x \$ 75.00 per sample = \$ 225.00
 _____ PNA samples x \$ 175.00 per sample = \$ _____ -
 _____ Total Lead samples x \$ - per sample = \$ _____ -
 _____ pH Samples x \$ _____ per sample = \$ _____ 0
 _____ Lab and/or Field Blank samples x \$ _____ per sample = \$ _____ -
 _____ Flash Point samples x \$ _____ per sample = \$ _____ 0
 _____ Waste Characterization samples x \$ 375.00 Per sample = \$ _____ -
 _____ samples x \$ _____ Per sample = \$ _____ -
 _____ samples x \$ _____ Per sample = \$ _____ -
 _____ samples x \$ _____ Per sample = \$ _____ -
 _____ samples x \$ _____ Per sample = \$ _____ -
 _____ samples x \$ _____ Per sample = \$ _____ -

TOTAL ANALYSIS COSTS = \$ _____ 225.00

F-2 INVESTIGATION

This form must be submitted in duplicate.

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 _____ (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 Shad's. The above list is not inclusive of all possible tasks.

Environmental Engineer 10 hours x \$ 100.00 per hour = \$ 1,000.00
(Title)

Task to be performed for the above hours: monitoring well installation

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

Task to be performed for the above hours: monitoring well installation

Senior Env. Geologist 5 hours x \$ 92.00 per hour = \$ 460.00
(Title)

Task to be performed for the above hours: monitoring well installation

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

Task to be performed for the above hours: monitoring well installation

Env. Project Geologist 10 hours x \$ 81.00 per hour = \$ 810.00
(Title)

Task to be performed for the above hours: monitoring well installation

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

Task to be performed for the above hours: monitoring well installation

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

Task to be performed for the above hours: monitoring well installation

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

Task to be performed for the above hours: monitoring well installation

G-1 INVESTIGATION

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 Shad's. The above list is not inclusive of all possible tasks.

Environmental Engineer 0 hours x \$ 100.00 per hour = \$ -
(Title)

Task to be performed for the above hours: survey and sampling

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

Task to be performed for the above hours: survey and sampling

Senior Env. Geologist 0 hours x \$ 92.00 per hour = \$ -
(Title)

Task to be performed for the above hours: survey and sampling

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

Task to be performed for the above hours: survey and sampling

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

Task to be performed for the above hours: survey and sampling

Env. Project Scientist 10 hours x \$ 81.00 per hour = \$ 810.00
(Title)

Task to be performed for the above hours: survey and sampling

Engineering Technican 10 hours x \$ 55.00 per hour = \$ 550.00
(Title)

Task to be performed for the above hours: survey and sampling

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

Task to be performed for the above hours: survey and sampling

G-1a INVESTIGATION

This form must be submitted in duplicate.

Environmental Engineer 10 hours x \$ 100.00 per hour = \$ 1,000.00
 (Title)

Task to be performed for the above hours: slug test

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

Task to be performed for the above hours: slug test

Senior Env. Geologist 0 hours x \$ 92.00 per hour = \$ -
 (Title)

Task to be performed for the above hours: slug test

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

Task to be performed for the above hours: slug test

Env. Project Geologist 10 hours x \$ 81.00 per hour = \$ 810.00
 (Title)

Task to be performed for the above hours: slug test

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

Task to be performed for the above hours: slug test

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

Task to be performed for the above hours: slug test

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

Task to be performed for the above hours: slug test

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

Task to be performed for the above hours: _____

TOTAL PERSONNEL COSTS: \$ 5,440.00

G-2 INVESTIGATION

This form must be submitted in duplicate.

INVESTIGATION

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	\$ -
Mileage for CW3M trips	450.00	\$ 0.35	\$ 157.50 *
Per Diem	0.00	\$ 36.00	\$ -
Total Other			\$ 157.50

*Mileage 3 trips at 150 miles/trip

TOTAL OTHER COSTS = \$ 157.50

Total (Pages I-1 and I-2)	\$ 308.50
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I-2 INVESTIGATION

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: \$ 3,515.00
- 2. Analysis Costs: \$ 225.00
- 3. Personnel Costs: \$ 5,440.00
- 4. Equipment Costs: \$ 333.50
- 5. Field Purchases and Other Costs: \$ 308.50
- 6. Handling Charges: See Handling Charge Total

B. Groundwater Remediation

- 1. Analysis Costs: _____
- 2. Personnel Costs: _____
- 3. Equipment Costs: _____
- 4. Field Purchases and Other Costs: _____
- 5. Handling Charges: _____

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

- 1. Analysis Costs: \$ 1,900.00
- 2. Personnel Costs: \$ 36,278.00
- 3. Equipment Costs: \$ 65.00
- 4. Field Purchases and Other Costs: \$ 70,597.58
- 5. Handling Charges: See Handling Charge Total

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

Excavation:	<u>790.17</u>	cubic yards X	<u>\$ 55.63</u>	per cu yd =	<u>\$ 43,956.00</u>
Transport:	<u>790.17</u>	cubic yards X	<u>\$ 25.01</u>	per cu yd =	<u>\$ 19,760.00</u>
Disposal:	<u>790.17</u>	cubic yards X	<u>\$ 40.37</u>	per cu yd =	<u>\$ 31,895.08</u>

D. Alternative Technology, Type _____

- 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: \$ 31,167.00
- 2. Equipment Costs: \$ -
- 3. Field Purchases and Other Costs: \$ 45,362.93
- 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
763.83 cubic yards X \$ 9.72 per cu yd = \$ 7,424.41

Type of Backfill: Aggregate Backfill
26.34 cubic yards X \$ 18.98 per cu yd = \$ 500.03

Type of Backfill: Septic Gravel Backfill
0.00 cubic yards X \$ - per cu yd = \$ -

Type of Backfill: _____
 _____ cubic yards X _____ per cu yd = \$ _____

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.

_____ 20 BTEX samples x \$ _____ 75.00 per sample = \$ _____ 1,500.00

_____ 0 PNA samples x \$ _____ 175.00 per sample = \$ _____ -

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

F-1 EXCAVATION

This form must be submitted in duplicate

_____ pH Samples x \$ _____ per sample = \$ _____ 0
 _____ Paint Filter samples x \$ _____ per sample = \$ _____ 0
 _____ TCLP @ samples x \$ _____ per sample = \$ _____ -
 _____ Flash Point samples x \$ _____ per sample = \$ _____ 0
 _____ Lab and/or Field Bank 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 = \$ 1,900.00

F-2 EXCAVATION

This form must be submitted in duplicate.

G. PERSONNEL EXCAVATION

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 Shad's. The above list is not inclusive of all possible tasks.

Environmental Engineer 41 hours x \$ 100.00 per hour = \$ 4,100.00
(Title)

Task to be performed for the above hours: Soil CAP and budget preparation

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

Task to be performed for the above hours: Soil CAP and budget preparation

Senior Env. Geologist 16 hours x \$ 92.00 per hour = \$ 1,472.00
(Title)

Task to be performed for the above hours: Soil CAP and budget preparation

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

Task to be performed for the above hours: Soil CAP and budget preparation

Env. Project Geologist 15 hours x \$ 81.00 per hour = \$ 1,215.00
(Title)

Task to be performed for the above hours: Soil CAP and budget preparation

Env. Project Scientist 5 hours x \$ 81.00 per hour = \$ 405.00
(Title)

Task to be performed for the above hours: Soil CAP and budget preparation

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

Task to be performed for the above hours: Soil CAP and budget preparation

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

Task to be performed for the above hours: Soil CAP and budget preparation

G-1 EXCAVATION

This form must be submitted in duplicate.

G. PERSONNEL**EXCAVATION**

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 oversite for _____ (i.e., drilling/well installation, corrective action, or early action) of maintenance of Shad's. The above list is not inclusive of all possible tasks.

Technical Editor 8 hours x \$ 55.00 per hour = \$ 440.00
(Title)

Task to be performed for the above hours: Soil CAP and budget preparation

Draftsman 12 hours x \$ 55.00 per hour = \$ 660.00
(Title)

Task to be performed for the above hours: Soil CAP and budget preparation

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

Task to be performed for the above hours: Soil CAP and budget preparation

Administrative Assistant 8 hours x \$ 45.00 per hour = \$ 360.00
(Title)

Task to be performed for the above hours: Soil CAP and budget preparation

Office Manager 6 hours x \$ 40.00 per hour = \$ 240.00
(Title)

Task to be performed for the above hours: Soil CAP and budget preparation

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

Task to be performed for the above hours: Soil CAP and budget preparation

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

Task to be performed for the above hours: Soil CAP and budget preparation

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

Task to be performed for the above hours: Soil CAP and budget preparation

G-1a EXCAVATION

This form must be submitted in duplicate.

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 Shad's. The above list is not inclusive of all possible tasks.

Environmental Engineer 108.00 hours x \$ 100.00 per hour = \$ 10,800.00
(Title)

Task to be performed for the above hours: Excavation activities

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

Task to be performed for the above hours: Excavation activities

Senior Env. Geologist 3.00 hours x \$ 92.00 per hour = \$ 276.00
(Title)

Task to be performed for the above hours: Excavation activities

General Project Manager 3.00 hours x \$ 100.00 per hour = \$ 300.00
(Title)

Task to be performed for the above hours: Excavation activities

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

Task to be performed for the above hours: Excavation activities

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

Task to be performed for the above hours: Excavation activities

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

Task to be performed for the above hours: Excavation activities

Laborer 108.00 hours x \$ 35.00 per hour = \$ 3,780.00
(Title)

Task to be performed for the above hours: Excavation activities

G-1b EXCAVATION

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: 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 3.00 hours x \$ 40.00 per hour = \$ 120.00
 (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 108.00 hours x \$ 110.00 per hour = \$ 11,880.00
 (Title)

Task to be performed for the above hours: Excavation activities

Wastewater Trtmt. 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: \$ 36,278.00

G-2 EXCAVATION

This form must be submitted in duplicate.

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	1250	\$ 0.10	/each	\$ 125.00
Mileage for CW3M trips	4050.00	\$ 0.35	/each	\$ 1,417.50 *
Per Diem	0	\$ 36.00	/day	\$ -
				\$ -
				\$ -
Total Other				\$ 1,542.50

*Number of Trips

27 trips at

150 miles per trip

TOTAL OTHER COSTS = \$ 1,542.50

Total (Pages I-1 and I-2)	\$ 70,597.58
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I-2 EXCAVATION

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 Shad's. 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: 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 128.00 hours x \$ 110.00 per hour = \$ 14,080.00
(Title)

Task to be performed for the above hours: Backfill activities and monitor well replacement

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

Task to be performed for the above hours: Backfill activities

G-1a BACKFILL

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 _____ (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 Shad's. The above list is not inclusive of all possible tasks.

Environmental Engineer 15 hours x \$ 100.00 per hour = \$ 1,500.00
(Title)

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

Senior Env. Engineer 3 hours x \$ 115.00 per hour = \$ 345.00
(Title)

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

Senior Env. Geologist 8 hours x \$ 92.00 per hour = \$ 736.00
(Title)

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

General Project Manager 10 hours x \$ 100.00 per hour = \$ 1,000.00
(Title)

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

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

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

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

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

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

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

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

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

G-1 BACKFILL

This form must be submitted in duplicate.

Technical Editor 4 hours x \$ 55.00 per hour = \$ 220.00
(Title)

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

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

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

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

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

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

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

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

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

Principal 2 hours x \$ 130.00 per hour = \$ 260.00
(Title)

~~Task to be performed for the above hours: Soil CACR and Groundwater CAP~~

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

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

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

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

Construction Foreman 0 hours x \$ 65.00 per hour = \$ -
(Title)

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

TOTAL PERSONNEL COSTS: \$ 31,167.00

G-2 BACKFILL

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	750.00	\$ 0.10	/each	\$ 75.00
Mileage for CW3M trips	3,450.00	\$ 0.35	/each	\$ 1,207.50
Per Diem	0.00	\$ 36.00	/day	\$ -
				\$ -
				\$ -
Total Other				\$ 1,282.50

*Number of Trips 23 trips at 150 miles per trip

TOTAL OTHER COSTS = \$ \$ 1,282.50

Total (Pages I-1 and I-2)	\$ 45,362.93
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I-2 BACKFILL

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	750.00	\$ 0.10	/each	\$ 75.00
Mileage for CW3M trips	0.00	\$ 0.35	/each	\$ -
Per Diem	0.00	\$ 36.00	/day	\$ -
				\$ -
				\$ -
Total Other				\$ 75.00

TOTAL OTHER COSTS = \$ 75.00

Total (Pages I-1 and I-2)	\$ 95.00
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I-2 REIMBURSEMENT CLAIM PREP

This form must be submitted in duplicate

CHECK SHEET

		Ours		EPA		Difference
E	Investigation	\$ 3,515.00		\$ 3,515.00		\$ -
F	Analysis	\$ 2,125.00		\$ 2,125.00		\$ -
G	Personnel	\$ 76,613.00		\$ 76,613.00		\$ -
H	Equipment	\$ 398.50		\$ 398.50		\$ -
I	Field Purchases	\$ 116,364.01		\$ 116,364.01		\$ -
J	Apply Handling	\$ 118,946.51		\$ 118,946.51		\$ -
Totals		\$ 206,294.44		\$ 206,294.44		\$ -

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.
BETX Analysis	\$ 75.00	/each
PNA Analysis	\$ 175.00	/each
TACO Parameters	\$ 85.00	/each
Waste Characterization (soil)	\$ 400.00	/each
Waste Characterization (water)	\$ 375.00	/each
Disposal Charge, soil (bulk)	\$ 26.00	/ton
Disposal Charge, soil (drum)	\$ 65.00	/drum
Disposal Charge, water	\$ 2.00	/gallon
Trackhoe	\$ 125.00	/hour
Grove Crane	\$ 150.00	/hour
Backhoe	\$ 85.00	/hour
Disk Harrow	\$ 75.00	/hour
Chisel Plow	\$ 20.00	/acre
Tractor	\$ 35.00	/hour
Tractor Operator	\$ 25.00	/hour
Spreader	\$ 200.00	/day
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	\$ 17.00	/foot
Drill Rig Mobilization	\$ 260.00	/trip
MW Installation - 15 foot	\$ 450.00	/each
MW Installation - 20 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
Survey Crew	\$ 2,740.00	/each
Land Lease	\$ 120.00	/acre
Lysimeter Installation	\$ 450.00	/each
FEMA Maps	\$ 20.00	/each

Distances		
To Landfill	65	miles 1-way
To Sand Pit	65	miles 1-way
To Septic Gravel Source	65	miles 1-way

Labor Rates		
Environmental Engineer	\$ 100.00	/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	\$ 3.00	/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
Datalogger	\$ 145.50	/each
Transducer	\$ 42.00	/day
Slug	\$ 36.00	/day

Quantities		
Contaminated Soil Excavation	718.33	c.y.
Recovery Trench Excavation	0.00	c.y.
Disposal	790.17	c.y.
Sand Backfill	763.83	c.y.
Aggregate Backfill	26.34	c.y.

CA6 Aggregate Source	15	miles 1-way
Engineer to Site	75	miles 1-way
Geologist to Site	75	miles 1-way
Field Coordinator to Site	75	miles 1-way
Engr. Tech. to Site	75	miles 1-way
Electrician to Site	85	miles 1-way
Plumber to Site	85	miles 1-way
Wastewater Trtmt. Operator	75	miles 1-way

Septic Gravel Backfill	0.00	c.y.
Concrete	0.00	c.y.

Assumptions		
Soil Bulk Density	115	pcf
Sand Bulk Density	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	0.75	hour
Backfill/Dump Idle Time	0.5	hour
15 c.y. Trucks Available	0	each
10 c.y. Trucks Available	5	each
Truck Day	8	hours
Excavation Truck	15	c.y.
Backfill Truck	10	c.y.
Work Day	12	hours
Tractors Available	0	each
Spreaders Available	0	each
GW Plant Capitalization	3	years
GW Treatment Duration	0	years
GW Monitoring Network Wells	14	each
Total Monitoring Wells	23	each
Recovery Sumps	2	each
Recovery Wells	0	each

Investigation Costs =	\$ 3,515.00
Analysis Costs =	\$ 2,125.00
Personnel Costs=	\$ 76,613.00
Equipment Costs=	\$ 398.50
Field Purchases and Other Costs=	\$ 116,364.01
Handling Charges=	\$ 7,278.93
Total Project Cost =	\$ 206,294.44

Eligible for handling charge	\$ 118,946.51
From EPA sheets	\$ 118,946.51

Description/Boring Type	Depth	Footage	Cost
classification	50	0	\$ -
investigation/migratory	15	0	\$ -
investigation/monitoring	15	0	\$ -
investigation/monitoring	25	75	\$ 1,275.00
investigation	10	0	\$ -
Total @ \$17.00/foot =			\$ 1,275.00

Mobilization	No.	Rate	Cost
Borings & wells -			
drill rig, eqpt. crew	1	\$ 260.00	\$ 260.00

Personnel	Hours	Rate	Cost
Environmental Engineer	20	\$ 100.00	\$ 2,000.00
Senior Env. Engineer	0	\$ 115.00	\$ -
Senior Env. Geologist	5	\$ 92.00	\$ 460.00
General Project Manager	0	\$ 100.00	\$ -
Env. Project Geologist	20	\$ 81.00	\$ 1,620.00
Env. Project Scientist	10	\$ 81.00	\$ 810.00
Engineering Technican	10	\$ 55.00	\$ 550.00
Laborer	0	\$ 35.00	\$ -
Technical Editor	0	\$ 55.00	\$ -
Draftsman	0	\$ 55.00	\$ -
Technical Coordinator	0	\$ 65.00	\$ -
Administrative Assistant	0	\$ 45.00	\$ -
Office Manager	0	\$ 40.00	\$ -
Principal	0	\$ 130.00	\$ -
Field Supervisor/Coordinator	0	\$ 110.00	\$ -
Wastewater Trtmt. Operator	0	\$ 100.00	\$ -
Subtotal: Personnel/Investigation			\$ 5,440.00

Note: Personnel costs include 3 trips to site (drilling/well installation; sampling, surveying and static water table elevations; slug testing)

Monitoring Well Installation	No.	Rate	Cost
15 foot	0	\$ 450.00	\$ -
20 foot	0	\$ 500.00	\$ -
25 foot	3	\$ 550.00	\$ 1,650.00
35 foot	0	\$ 600.00	\$ -
Total Monitoring Well Installation			\$ 1,650.00 *

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

Disposal Costs	No.	Rate	Cost
Disposal of Cuttings	2	\$ 65.00	\$ 130.00
Disposal of Water (gallons)	100	\$ 2.00	\$ 200.00
Total Disposal Costs			\$ 330.00

Equipment	Rate		Qty.	Charges
PID Rental	\$ 125.00 /day		0	\$ -
Water Level Indicator	\$ 15.00 /day		3	\$ 45.00
Survey Equipment Rental	\$ 65.00 /day		1	\$ 65.00
Datalogger	\$ 145.50 /day		1	\$ 145.50
Transducer	\$ 42.00 /day		1	\$ 42.00
Slug	\$ 36.00 /day		1	\$ 36.00
Subtotal Equipment/Inv.				\$ 333.50

INVESTIGATION COSTS =	\$ 3,515.00
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* 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	0	\$ 0.10	\$ -
Mileage for CW3M trips	450	\$ 0.35	\$ 157.50
Per Diem	0	\$ 36.00	\$ -
Total Other			\$ 157.50

Other Costs/Field Purchases	No.	Rate	Cost
Color Copies	0	\$ 1.25	\$ -
Carbon Filter Purchase	0	\$ 600.00	\$ -
Manifests	0	\$ 3.00	\$ -
Truck Liner	0	\$ 4.00	\$ -
Bailers	3	\$ 12.00	\$ 36.00
Film	0	\$ 6.00	\$ -
Photo Development & Copies	0	\$ 15.00	\$ -
	0		
Postage			\$ 15.00
	0		\$ -
Drums	2	\$ 50.00	\$ 100.00
Total Field Purchases			\$ 151.00

Total Field and Other	\$ 308.50
Eligible for Handling Charges	\$ 3,666.00

INVESTIGATION SAMPLING COSTS

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

Soil Analysis Costs			
Type	No.	Rate	Cost
BETX	0	\$ 75.00	\$ -
PNA	0	\$ 175.00	\$ -
TACO Parameters	0	\$ 85.00	\$ -
Waste Char.	0	\$ 400.00	\$ -
SUBTOTAL: SOIL ANALYSIS COSTS =			\$ -

Groundwater Analysis Costs			
Type	No.	Rate	Cost
BETX	3	\$ 75.00	\$ 225.00
PNA	0	\$ 175.00	\$ -
Total Lead	0		\$ -
Total Barium	0		\$ -
Waste Char.	0	\$ 375.00	\$ -
SUBTOTAL: GW ANALYSIS COSTS =			\$ 225.00

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

Eligible for Handling Charges \$ 225.00

Excavation			
Contaminated Soil Excavation	718.33		c.y.
Recovery Trench Excavation	0.00		c.y.
Excavation Truck Loads	74.35		each
Landfill Travel Time	3.35		hours
Landfill Trips/Day	2.00		each
Excavation Truck	37.17	38	days
Excavation (based on trucking)	7.43	8	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	7.43	8	days
Backhoe Days	15.77	16	days
Backfill			
Septic Gravel Volume	0.00		c.y.
Septic Gravel Truck Loads	0.00		each
Septic Gravel Travel Time	1.1		hours
Septic Gravel Trips/Day	7.00		each
Septic Gravel Truck	0.00	0	days
Septic Gravel Days	0.00	0	days
Backfill CA-6 Aggregate	26.34		c.y.
Backfill Aggregate Truck Loads	2.96		each
Backfill Aggregate Travel Time	1.1		hours
Backfill Aggregate Trips/Day	7.00		each
Backfill Aggregate Truck	0.42	1	days
Backfill Aggregate Days	0.08	1	days
Backfill Sand	763.83		c.y.
Backfill Sand Truck Loads	82.49		each
Backfill Sand Travel Time	3.1		hours
Backfill Sand Trips/Day	2.00		each
Backfill Sand Truck	41.25	42	days
Backfill Sand Days	8.25	9	days
Backfill Truck-Days	8.33	9	days
CW3M Days			
Site Preparation	1	1	days
Excavation	7.43	8	days
Backfill	8.33	9	days
Site Restoration	1	1	days
Total CW3M in Field	17.77	18	days

ESTIMATED VOLUMES

Contaminated Soil Excavation Volume				
	Area	Depth	Volume	Volume
	(sq. ft.)	(ft.)	(cu. ft.)	(c.y.)
	1,293.00	15	19,395.00	718.33
	0.00	0	0.00	0.00
			Subtotal =	718.33 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.

Total Disposal Volume (plus 10%) = 790.17 c.y.
 (10% added for sloping or benching purposes)

Septic Gravel for Recovery Trench				
Length	Area	Depth	Volume	Volume
(ft)	(sq. ft.)	(ft.)	(cu. ft.)	(c.y.)
0	0	18.5	0.00	0.00

Concrete for GWTU Trailer Pad				
	Area	Depth	Volume	Volume
	(sq. ft.)	(ft.)	(cu. ft.)	(c.y.)
		0	0	0.00
	0	0.5	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.)
	1,293.00	0.5	646.5	26.34 c.y.

Backfill Sand for Excavation Area				
	Area	Depth	Volume	Volume
	(sq. ft.)	(ft.)	(cu. ft.)	(c.y.)
	1,293.00	14.5	18748.5	763.83 c.y.

EXCAVATION

Analysis	Rate		Qty.	Charges
BETX Analysis, Soil	\$ 75.00	/each	20	\$ 1,500.00
PNA Analysis, Soil	\$ 175.00	/each		\$ -
Waste Characteristics, Soil	\$ 400.00	/each	1	\$ 400.00

Subtotal: Analysis/Excavation				\$ 1,900.00
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CW3M Personnel	Rate		Qty.	Charges
Environmental Engineer	\$ 100.00	/hour	108.00	\$ 10,800.00
Senior Env. Engineer	\$ 115.00	/hour		\$ -
Senior Env. Geologist	\$ 92.00	/hour	3.00	\$ 276.00
General Project Manager	\$ 100.00	/hour	3.00	\$ 300.00
Env. Project Geologist	\$ 81.00	/hour		\$ -
Env. Project Scientist	\$ 81.00	/hour		\$ -
Engineering Technican	\$ 55.00	/hour		\$ -
Laborer	\$ 35.00	/hour	108.00	\$ 3,780.00
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	3.00	\$ 120.00
Principal	\$ 130.00	/hour		\$ -
Field Supervisor/Coordinator	\$ 110.00	/hour	108.00	\$ 11,880.00
Wastewater Trtmt. Operator	\$ 100.00	/hour		\$ -
Construction Foreman	\$ 65.00	/hour		\$ -
Subtotal: Personnel/Excavation				\$ 27,156.00

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

Subcontractor Costs	Rate		Qty.	Charges
Sand Backfill	\$ 6.00	/ton		
Aggregate Backfill	\$ 11.25	/ton		
Septic Gravel Backfill	\$ 7.75	/ton		
Concrete	\$ 61.00	/c.y.		
Disposal Charge	\$ 26.00	/ton	1,226.73	\$ 31,895.08
Trackhoe	\$ 125.00	/hour	80.00	\$ 10,000.00
Backhoe	\$ 85.00	/hour	80.00	\$ 6,800.00
Trucking Charge (10 c.y.)	\$ 65.00	/hour	304.00	\$ 19,760.00
End Loader	\$ 95.00	/hour		\$ -
Trucking Charge (15 c.y.)	\$ 85.00	/hour		\$ -
Baker Tank	\$ 1,200.00	/month		
Electrician	\$ 40.00	/hour		
Electrician Mileage	\$ 0.35	/mile		

EXCAVATION

Plumber/Inspector	\$ 45.00	/hour		
Plumber Mileage	\$ 0.35	/mile		
Subtotal Subcontractor/Exc.				\$ 68,455.08

Excavation Cost =				\$ 43,956.00	*
Transportation Cost =				\$ 19,760.00	*
Disposal Cost =				\$ 31,895.08	**
* These costs transfer to the Excavation and Transportation Costs on Page L-1					
**NA, Land treatment instead of Disposal					

Other Costs	Rate		Qty.	Charge
Copies	\$ 0.10	/each		\$ -
Mileage for CW3M trips	\$ 0.35	/each	4050.00	\$ 1,417.50
Per Diem	\$ 36.00	/day		\$ -
				\$ -
				\$ -
Subtotal Other/Exc.				\$ 1,417.50

Other Costs/Field Purchases				
Color Copies	\$ 1.25	/each		\$ -
Carbon Filter Purchase	\$ 600.00	/each		\$ -
Manifests	\$ 3.00	/each	74.00	\$ 222.00
Truck Liner	\$ 4.00	/each	74.00	\$ 296.00
Bailers	\$ 12.00	/each		\$ -
Film	\$ 6.00	/each	2	\$ 12.00
Photo Development & Copies	\$ 15.00	/each	2	\$ 30.00
				\$ -
Postage				
Drums	\$ 50.00	/each		\$ -
Subtotal Field Purchases/Exc.				\$ 560.00

Total Field and Other				\$ 1,977.50
Total Field, Other, Subcontractor/Exc.				\$ 70,432.58
Amount to Apply Handling Charge				\$ 70,915.08

BACKFILL

CW3M Personnel	Rate		Qty.	Charges
Environmental Engineer	\$ 100.00	/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	120.00	\$ 6,600.00
Laborer	\$ 35.00	/hour	120.00	\$ 4,200.00
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	120.00	\$ 13,200.00
Wastewater Trtmt. Operator	\$ 100.00	/hour		\$ -
Construction Foreman	\$ 65.00	/hour		\$ -
Subtotal:Personnel/Backfill				\$ 24,000.00

Equipment	Rate		Qty.	Charges
Subtotal Equipment/Exc.				

Subcontractor Costs	Rate		Qty.	Charges
Sand Backfill	\$ 6.00	/ton	1237.40	\$ 7,424.41
Aggregate Backfill	\$ 11.25	/ton	44.45	\$ 500.03
Septic Gravel Backfill	\$ 7.75	/ton	0	\$ -
Concrete for Trailer Pad	\$ 61.00	/c.y.		\$ -
Disposal Charge	\$ 26.00	/ton		\$ -
Trackhoe	\$ 125.00	/hour		\$ -
Backhoe	\$ 85.00	/hour	90.00	\$ 7,650.00
Trucking Charge (10 c.y.)	\$ 65.00	/hour	387.00	\$ 25,155.00
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				\$ 40,729.43

Total Backfill Costs =				\$ 64,729.43 *
* This is the backfill cost on PageL-2 of the IEPA budget form.				

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

BACKFILL

Mileage for CW3M Trips	\$ 0.35 /mile	3,000.00	\$ 1,050.00
Per Diem	\$ 36.00 /day		\$ -
			\$ -
			\$ -
Subtotal Other/Backfill			\$ 1,050.00

Other Costs/Field Purchases	Rate		Qty.	Charge
Color Copies	\$ 1.25 /each			\$ -
Carbon Filter Purchase	\$ 600.00 /each			\$ -
Manifests	\$ 3.00 /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 and Other				\$ 1,071.00
Total Field, Other, Subcontractor/Backfill				\$ 41,800.43
Amount to Apply Handling Charge				\$ 40,750.43

MW REPLACEMENT

CW3M Personnel	Rate		Arrangements and Mobilization		Installation	
			Qty.	Charges	Qty.	Charges
Environmental Engineer	\$ 100.00	/hour		\$ -	4.00	\$ 400.00
Senior Env. Engineer	\$ 115.00	/hour		\$ -		\$ -
Senior Env. Geologist	\$ 92.00	/hour		\$ -	4.00	\$ 368.00
General Project Manager	\$ 100.00	/hour		\$ -		\$ -
Env. Project Geologist	\$ 81.00	/hour		\$ -		\$ -
Env. Project Scientist	\$ 81.00	/hour		\$ -		\$ -
Engineering Technican	\$ 55.00	/hour		\$ -	4.00	\$ 220.00
Laborer	\$ 35.00	/hour		\$ -	4.00	\$ 140.00
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		\$ -	8.00	\$ 880.00
Wastewater Trtmt. Operator	\$ 100.00	/hour		\$ -		\$ -
Construction Foreman	\$ 65.00	/hour		\$ -		\$ -
Subtotal:Personnel/Trench				\$ -		\$ 2,008.00

Subcontractor Costs	Rate		Qty.	Charges	Qty.	Charges
Sand Backfill	\$ 6.00	/ton		\$ -		\$ -
Aggregate Backfill	\$ 11.25	/ton		\$ -		\$ -
Septic Gravel Backfill	\$ 7.75	/ton		\$ -		\$ -
Concrete	\$ 61.00	/c.y.		\$ -		\$ -
Disposal Charge	\$ 26.00	/ton		\$ -		\$ -
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		\$ -		\$ -
Electrician Mileage	\$ 0.35	/mile		\$ -		\$ -
Plumber/Inspector	\$ 45.00	/hour		\$ -		\$ -
Plumber Mileage	\$ 0.35	/mile		\$ -		\$ -
Drill Rig Mobilization	\$ 260.00	/each		\$ -	1.00	\$ 260.00
Replacement MW Install. 25ft	\$ 550.00	/each		\$ -	3.00	\$ 1,650.00
Drilling (25 foot wells)	\$ 425.00	/each		\$ -	3.00	\$ 1,275.00
Recovery Well Installation	\$ 800.00	/each		\$ -		\$ -
Subtotal Subcontractor/Trench				\$ -		\$ 3,185.00

Equipment	Rate		Qty.	Charges
Survey Equipment Rental	\$ 65.00	/day	1	\$ 65.00
Subtotal Equipment/Inv.				\$ 65.00

MW REPLACEMENT

Other Costs	Rate		Arrangements and Mobilization		Installation	
			Qty.	Charges	Qty.	Charges
Copies	\$ 0.10	/each		\$ -		\$ -
Mileage for CW3M Trips	\$ 0.35	/mile		\$ -	450	\$ 157.50
Per Diem	\$ 36.00	/day		\$ -		\$ -
				\$ -		\$ -
				\$ -		\$ -
Subtotal Other/Trench				\$ -		\$ 157.50

Other Costs/Field Purchases	Rate		Qty.	Charges	Qty.	Charges
Color Copies	\$ 1.25	/each		\$ -		\$ -
Carbon Filter Purchase	\$ 600.00	/each		\$ -		\$ -
Manifests	\$ 3.00	/each		\$ -	0.00	\$ -
Truck Liner	\$ 4.00	/each		\$ -	0.00	\$ -
Bailers	\$ 12.00	/each		\$ -		\$ -
Film	\$ 6.00	/each		\$ -		\$ -
Photo Development & Copies	\$ 15.00	/each		\$ -		\$ -
Piping/Hose/Fittings	\$ 4,000.00	L.S.		\$ -	0	\$ -
Postage				\$ -		\$ -
Drums	\$ 50.00	/each		\$ -		\$ -
Subtotal Field/Trench				\$ -		\$ -

Total Field and Other				\$ -		\$ 157.50
Total Field, Other, Subcontractor/Trench				\$ -		\$ 3,342.50
Amount to Apply Handling Charge				\$ -		\$ 3,185.00

REPORTING

Soil Corrective Action Plan				
CW3M Personnel	Rate		Qty.	Charges
Environmental Engineer	\$ 100.00	/hour	41	\$ 4,100.00
Senior Env. Engineer	\$ 115.00	/hour	2	\$ 230.00
Senior Env. Geologist	\$ 92.00	/hour	16	\$ 1,472.00
General Project Manager	\$ 100.00	/hour	0	\$ -
Env. Project Geologist	\$ 81.00	/hour	15	\$ 1,215.00
Env. Project Scientist	\$ 81.00	/hour	5	\$ 405.00
Engineering Technican	\$ 55.00	/hour	0	\$ -
Laborer	\$ 35.00	/hour	0	\$ -
Technical Editor	\$ 55.00	/hour	8	\$ 440.00
Draftsman	\$ 55.00	/hour	12	\$ 660.00
Office/Technical Coordinator	\$ 65.00	/hour	0	\$ -
Administrative Assistant	\$ 45.00	/hour	8	\$ 360.00
Office Manager	\$ 40.00	/hour	6	\$ 240.00
Principal	\$ 130.00	/hour	0	\$ -
Field Supervisor/Coordinator	\$ 110.00	/hour	0	\$ -
Wastewater Trtmt. Operator	\$ 100.00	/hour	0	\$ -
Subtotal Personnel CAP				\$ 9,122.00

Other CAP	Rate		Qty.	Charges
Copies	\$ 0.10	/each	1250	\$ 125.00

Field CAP	Rate		Qty.	Charges
Color Copies	\$ 1.25	/each	0	\$ -
Postage				\$ 40.00
Subtotal Reporting CAP				\$ 40.00

Soil CACR/GW CAP				
CW3M Personnel	Rate		Qty.	Charges
Environmental Engineer	\$ 100.00	/hour	15	\$ 1,500.00
Senior Env. Engineer	\$ 115.00	/hour	3	\$ 345.00
Senior Env. Geologist	\$ 92.00	/hour	8	\$ 736.00
General Project Manager	\$ 100.00	/hour	10	\$ 1,000.00
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	4	\$ 220.00
Draftsman	\$ 55.00	/hour	5	\$ 275.00
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	2	\$ 260.00
Field Supervisor/Coordinator	\$ 110.00	/hour	0	\$ -
Wastewater Trtmt. Operator	\$ 100.00	/hour	0	\$ -
Subtotal Personnel/Closure Rept.				\$ 5,159.00

REPORTING

Other CACR	Rate		Qty.	Charges
Copies	\$ 0.10	/each	750	\$ 75.00

Field CACR	Rate		Qty.	Charges
Color Copies	\$ 1.25	/each	100	\$ 125.00
Postage				\$ 20.00
Subtotal CACR				\$ 145.00

Reimbursement Claim Preparation				
CW3M Personnel	Rate		Qty.	Charges
Environmental Engineer	\$ 100.00	/hour	0	\$ -
Senior Env. Engineer	\$ 115.00	/hour	4	\$ 460.00
Senior Env. Geologist	\$ 92.00	/hour	14	\$ 1,288.00
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	20	\$ 900.00
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				\$ 3,728.00

Other Reimbursement	Rate		Qty.	Charges
Copies	\$ 0.10	/each	750	\$ 75.00

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

Total Field, Other CAP				\$ 165.00
Amount to Apply Handling Charge				\$ 40.00

Total Field, Other/CACR				\$ 220.00
Amount to Apply Handling Charge				\$ 145.00

Total Field, Other/Reimbursment Prep				\$ 95.00
Amount to Apply Handling Charge				\$ 20.00

Corrective Action Summary

Summary Name			
Category	Sub-category	Cost	Where Listed

Excavation			
Analysis Costs		\$ 1,900.00	Excavation sheet
Personnel Costs		\$ 27,156.00	Excavation sheet
Subcontractors	Trackhoe	\$ 10,000.00	Excavation sheet
	Backhoe	\$ 6,800.00	Excavation sheet
	Disposal	\$ 31,895.08	Excavation sheet
	Trucking	\$ 19,760.00	Excavation sheet
Field - Other	Mileage	\$ 1,417.50	Excavation sheet
	Manifests	\$ 222.00	Excavation sheet
	Truck Liner	\$ 296.00	Excavation sheet
	Film	\$ 12.00	Excavation sheet
	Photo Development & Copies	\$ 30.00	Excavation sheet
Total:		\$ 99,488.58	

Disposal			
Landfill Charges *		\$ 31,895.08	Excavation sheet

Transportation			
Trucking - excavation **		\$ 19,760.00	Excavation sheet
Trucking - backfill ***		\$ 25,155.00	Backfill sheet
Total:		\$ 44,915.00	

Backfill			
Personnel Costs		\$ 24,000.00	Backfill sheet
Subcontractors	Sand Backfill	\$ 7,424.41	Backfill sheet
	Aggregate Backfill	\$ 500.03	Backfill sheet
	Backhoe	\$ 7,650.00	Backfill sheet
	Trucking	\$ 25,155.00	Backfill sheet
Field - Other	Film	\$ 6.00	Backfill sheet
	Photo Development & Copies	\$ 15.00	Backfill sheet
	Mileage	\$ 1,050.00	Backfill sheet
Total:		\$ 65,800.43	

* - Landfill charges are also listed in Excavation summary

** - Trucking - excavation charges are also listed in Excavation summary

*** - Trucking - backfill charges are also listed in Backfill summary



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

MAR 07 2005

7002 3150 0000 1253 7138

Harvey B Whittaker
Post Office Box 415
Perry, IL 62362

Re: LPC #1490705004 -- Pike County
Perry/Whittaker, Harvey B.
Corner of Federal & Main
LUST Incident No. 971835
LUST Technical File

Dear Mr. Whittaker:

The Illinois Environmental Protection Agency (Illinois EPA) has reviewed the High Priority Corrective Action Plan Budget (budget) submitted for the above-referenced incident. This budget, dated November 1, 2004, was received by the Illinois EPA on November 3, 2004. Citations in this letter are from the Environmental Protection Act (Act) and 35 Illinois Administrative Code (35 Ill. Adm. Code).

The budget is rejected for the reason(s) listed in Attachment A (Section 57.7(c)(4) of the Act and 35 Ill. Adm. Code 732.405(c) and 732.503(b)).

All future correspondence must be submitted 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.

If you have any questions or need further assistance, please contact Jim Ransdell at 217/557-6938.

Page 2

Sincerely,

A handwritten signature in black ink, appearing to read 'T. Henninger', written in a cursive style.

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

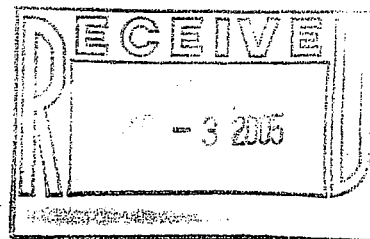
TAH:JSR:971:835B\

Attachment: Attachment A

c: CW3M
Division File

Attachment A

Re: LPC # 1490705004 -- Pike County
Perry/Whittaker, Harvey B.
Corner of Federal & Main
LUST Incident No. 971835
LUST Technical File



Citations in this attachment are from the Environmental Protection Act (Act) and 35 Illinois Administrative Code (35 Ill. Adm. Code).

Pursuant to Section 57.7(c)(4) of the Act, the budget is rejected for the following reason(s)

1. In accordance with Section 57.7(c)(4) of the Act, 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 in a letter Dated April 22, 2002. Further, in accordance with Section 57.7(c)(4) of the Act, any action by the Illinois EPA to disapprove or modify a plan or budget, or the rejection of any plan or budget by operation of law, shall be subject to appeal to the Illinois Pollution Control Board within 35 days after the Illinois EPA's final action.

TAH/JSR:971835AA