BEFORE THE POLLUTION CONTROL BOARD CLERK'S OFFICE

HARVEY B. WHITTAKER,)	APR 0 8 2005
Petitioner,))	STATE OF ILLINOIS Pollution Control Board
v.) PCB 05-18	t
ILLINOIS ENVIRONMENTAL PROTECTION AGENCY,) (UST Appeal))	
Respondent.)	

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:

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 8^{th} Day of April, 2005.

Carolyn S. Hesse

BEFORE THE POLLUTION CONTROL BOARD OF THE STATE OF ILLINOIS

apr 0 8 2005

STATE OF ILLINOIS Pollution Control Board
e e

HARVEY B. WHITTAKER)	Pollution Contro
Petitioner,))	*
v.) PCB No. 05- 184	
ILLINOIS ENVIRONMENTAL PROTECTION AGENCY,))	
Respondent.))	

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. seg. (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

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

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

associated budget plan for review by the Agency. <u>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.</u>

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

 $\mathbf{R}\mathbf{v}$

One of Its Attomeys

Carolyn S. Hesse, Esq. Barnes & Thornburg LLP One North Wacker Drive Suite 4400 Chicago, Illinois 60606 (312) 357-1313 266609v1

CW M 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.

Exhibit 1

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

Card L. Rowe, P.G.

Senior Environmental Geologist

xc:

Mr. Harvey Whittaker, Shad's Service

Mr. William T. Sinnott, CWM 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
activities at Shad's Service 1001 site. I
Corrective that he parts got fourth 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
accurate to the best of my knowledge and belief. I also certify that it ICS 5/57 and no costs are
not for corrective action in excess of the minimum requirements of 415 ILCS 5/57 and no costs are
. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
not included in the budget proposal or amendment. Such ineligible costs include but are not limited to:
not metadod in the subject proposition
Control of the state of the sta
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.
Costs associated with planned tank puris.
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
1 dalati
Signature: Date: 2/19/09
124 / Capail
Subscribed and sworn to before me the day of
(Budget Proppsals and Budget Amendments must be notarized when the certification is signed.)
(Buaget Froppsals and pauget informations)
OFFICIAL SEAL }
(Notary Public) CAROL C. ROWE NOTARY PUBLIC, STATE OF ILLINOIS
(Notary Public) NOTARY PUBLIC, STATE OF ILLINOIS NOTARY PUBLIC, STATE OF ILLINOIS
MY COMMISSION EXPIRES 2-26-2005
P.E.: Vince E. Smith
Data: 1/1/1/2/
P.E. Signature:
1 2 Haren 1 102004
Subscribed and sworn to before me the day of
Subscribed and sworn to before the the (Budget Proposals and Budget Amendments must be notarized when the certification is signed.)
Seal:
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
(Notary Public)
The Agency is authorized to require this information under 415 ILCS 5/1. Disclosure of this information
is an animal. Englying to do co may regult in the fieldy of definition any odder of paymons and animals.
hereunder. This form has been approved by the rothis wantagement contains.
OFFICIAL SEAL 3
IL 532 2273 CAROL L. ROWE

LPC 499 Rev. Mar-94

BB:jk\971405S.WPD

NOTARY PUBLIC, STATE OF ILLINOIS

MY COMMISSION EXPIRES 2-26-2005

BUDGET AND BILLING FORM FOR LEAKING UNDERGROUND STORAGE TANK SITES

A. SITE INFORMATION

Site Address:	Fed	deral and Maine Stre	eets	City:	Perry
Zip: 6236	52		•		
County: Pike			IEPA Generator	No.:	1490705004
IEMA Incident No.:	97-1835		IEMA Notificat	ion Date:	9/25/1997
Date this Form was Pr	epared:	October 29, 2004			
This form is being sub	mitted as a:				•
	·	Budget Proposal			
		-			
		Budget Amendment over the previous bu Amendment Number	idget.)	ents must inc	lude only the costs
]	over the previous bu	r:costs incurred pur	suant to 35 II	lude only the costs
This form is being sub		over the previous bu Amendment Number Billing Package for (Code (IAC), Part 73	r:costs incurred pur 32 ("New progran	suant to 35 III	
This form is being sub	omitted for the S	over the previous bu Amendment Number Billing Package for (Code (IAC), Part 73	costs incurred pur 32 ("New progran	suant to 35 III	linois Administrative

DO NOT SUBMIT "NEW PROGRAM" COSTS AND "OLD PROGRAM" COSTS AT THE SAME TIME, ON THE SAME FORMS.

A-1

IL 532-2263 LPC 494 Rev. 11/97

•						IEMA No.	97-1835
If eligible for roof USTs may b	eimbursemen e eligible for	t where should reim reimbursement. Th	bursement o	checks be se yment can o	ent? Please note the	at only owners or o	pperators
Pay to the ord	ler of:	Mr. Harvey B	. Whittake	r/Shad's S	ervice		
Send in care o	of:	CW3M Comp	any, Inc.				
Address:	P.O. Box	571					
City:	C	Carlinville	State: _	<u>II</u>	linois	Zip:	62626
parent or joi	nt stock cor ompany of t	npany of the own he owner or open	ner or oper rator:	ned or op ator, and	any company o	wner or operator owned by any par	r; any subsidiary, rent, subsidiary o
•	Fewer th	an 101:	<u>X</u>		101 or more:	<u></u>	<u>-</u>
Number of U	STs at the si		(Number o that have b		_	sently at the site a	and USTs
Number of in	cidents repo	rted to IEMA:		1			
Incident Num	bers assigne	d to the site due t	o releases i	from UST	S: 97-1835		
·						<u> </u>	
Please list all	tanks which	have ever been le	ocated at th	ne site and	are presently loo	cated at the site.	•
Product Store	d	Size (gallons)		UST release?	Incident No.	Type of Release	
Gasoline	·-·	2,000	Yes	No	97-1835	Overfill	
Diesel		<u>550</u>	Yes	No	97-1835	Tank	
Gasoline	-	1,000	Yes	No	97-1835	Tank	
Gasoline		550	Yes	No	97-1835	Tank	
			Yes	No			
			Yes	No			
			Yes	No			
			Yes	No			
			Yes	No			
			Yes	No			

A-2

IEMA No. <u>97-1835</u>

B. PROPOSED BUDGET SUMMARY AND BUDGET TOTAL

			ROPOSED TOTALS	REVIOUSLY 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
						4 . *

TOTAL PROPOSED BUDGET = \$_\\$-122,561-80

PROPOSED BUDGET SUMMARY AND BUDGET TOTAL В.

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

TOTAL PROPOSED BUDGET = \$ 206,294.44

	and the second s
IEMA No). 97-1835

E. INVESTIGATION COSTS

1.

Method I	Method	П	_Method III	Not .	Applicable	X
Borings wh disposal of	ich are to be complet	ed as monitorin e included here	ng wells should . An indication	Il rig usage, and other of the listed here. Costs on must be made as to vition pathways).	associated with	
	borings to	15 feet =		feet to be bored for	investigation/r	nonitoring
3	borings to	25 feet =	75	feet to be bored for	investigation/r	nonitoring
<u></u>	borings to	10 feet =		feet to be bored for	investigation	
	borings to	<u>50</u> feet =		feet to be bored for	classification	
	borings to	15 feet =		feet to be bored for	investigation/1	nigratory
			Total Feet to	o be Bored:	75	
	Borings:	75 feet x	\$ 17.00	per foot =\$1	,275.00	(or)
	Hours			per hour = \$	*	
	borings through		ft of bea	irock =	_Ft bedrock to	be bored
	borings-through-		ft-of-bea	drock=	Ft_bedrock_to_	be_bored
			Total Feet b	edrock to be Bored:		·
Borings:	Ft	bedrock x \$		per ft bedrock = \$		(or)
	Hours x \$	per Ho	our = \$			
	1 # of Mo	bilizations @ \$	3 260	per mobilization = \$	260.00	
Other Costs	3			Number of Units	Unit Cost	Total Cost
see attached	l "Other" sheet					
			·			

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

E-1 INVESTIGATION

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 S	<u> </u>	per gallon =	\$ 200:00
Transportation Costs:	\$0.	00		•
Describe how the water/so	il will be disposed:			
TAL INVESTIGATION	COSTS	\$3,515.00		

E-2 INVESTIGATION

F. ANALYSIS COSTS

INVESTIGATION & CAP DEVELOPMENT

Moisture Content s	samples x \$	per sample =	= \$	0	
Soil Classification	samples x \$	per sample =	= \$	0	
Indicate n	nethod to be performed:	<u> </u>			
Soil Particle Size s	amples x \$	per sample =	= \$	0	
Ex-situ Hydraulic	Conductivity/Permeability	samples		·	
	x \$	per sample	= \$	0	
Indicate n	nethod to be performed:				
Rock Hydraulic Co	onductivity/Permeability s	samples			
	x \$	per sample :	= \$	0	
Natural Organic C	arbon Fraction (foc) samp	oles			
	, —	per sample	= \$	0	
Indicate the ASTM	x \$ I or SW-846 method to be		= \$	0	
Indicate the ASTM	f or SW-846 method to be				
Indicate the ASTM	f or SW-846 method to be samples x \$	e performed:	= \$	0	
Indicate the ASTM	f or SW-846 method to be samples x \$ samples x \$	e performed: per sample =	= \$ = \$	0	
Indicate the ASTM	samples x \$ samples x \$ samples x \$	per sample =	= \$ = \$ = \$	0 0 0	
Indicate the ASTM	f or SW-846 method to be samples x \$ samples x \$	per sample =	= \$ = \$	0	
	samples x \$ sample	per sample =	= \$ = \$ = \$ = \$	0 0 0	
	samples x \$ sample	per sample = analysis only.	= \$ = \$ = \$ = \$	0 0 0 0	
	samples x \$ sample	per sample =	= \$ = \$ = \$ = \$	0 0 0 0	
Soil Analysis Costs - Th	samples x \$ sample	per sample = analysis only.	= \$ = \$ = \$ = \$	0 0 0 0	

F-1 INVESTIGATION

	pH Samples x \$		per sample = \mathfrak{p}	-		
	Paint Filter samples x \$		per sample = \$			
	TCLP @ samples x \$		per sample = \$	<u> </u>	•	
	Flash Point samples x \$		per sample = \$	-		
	Lab and/or Field Bank samples x	9	·	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 = \$	<u>-</u> .	
3	Groundwater Analysis Costs - This must be 3 BTEX samples x \$ 75.0					
	PNA samples x \$ 175.0		•			
	Total Lead samples x					
	pH Samples x \$					
	Lab and/or Field Blank samples x					
	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 = \$	<u></u>	, ·
ТОТАІ	L ANALYSIS COSTS = \$		225.00			

F-2 INVESTIGATION

IEMA No.	97-1835

INVESTIGATION

All personnel costs that are not included elsewh be listed per task, not personnel type. The follow	ere in	the budget	/billi	ng form :	must be 11s eke: Drafti	ted I	iere. (Bata ci	osis musi diection.
plan, report, or budget preparation for	owmg	(i.e. site	class	ification	work plan.	45 (day re	port, or high
priority corrective action budget), sampling, fie	ld ove	ersite for			(i.e., dri	lling	/well i	nstallation,
corrective action, or early action)of maintenanc	e of	Shad's	. T	he above	list is not	inch	isive o	f all
possible tasks.	-		_					
Environmental Engineer	.10	hours x	\$	100.00	per hour	=	\$	1,000.00
(Title)								
Task to be performed for the above hours:	· 3	monitoring	well	installati	on			
Senior Env. Engineer	0	hours x	\$	115.00	per hour	=	\$	
(Title)								
Task to be performed for the above hours:	3	monitoring	well	installati	on			
Senior Env. Geologist	5	hours x	\$	92.00	per hour	=	\$	460.00
(Title)								
Task to be performed for the above hours:	_	monitoring	well	installat	ion			
General Project Manager	0	hours x	\$	100.00	per hour	=	\$	
(Title)					•		,	
Task to be performed for the above hours:		monitoring	well	installat	ion			
	•							
Env. Project Geologist	10	hours x	\$	81.00	per hour	=	\$	810.00
(Title)								
Task to be performed for the above hours:	•	monitoring	wel	l installat	ion			
Env. Project Scientist	0	hours x	\$	81.00	per hour	=	\$	· -
(Title)	٠							
Task to be performed for the above hours:		monitoring	g wel	l installat	ion			
Engineering Technican	0	hours x	\$	55.00	per hour	=	\$	_
(Title)								
Task to be performed for the above hours:		monitoring	g wel	l installat	ion			
Laborer	0	hours x	\$	35.00	per hour		\$	
(Title)								
Task to be performed for the above hours:		monitoring	g wel	l installa	tion			

G-1 INVESTIGATION

IEMA No.	97-1835
TIME TO	, , ,,,,,,

CAP DEVELOPMENT

All personnel costs that are not included elsewher	e ir	the budget/	billi	ng form i	nust be list	ted h	ere. Costs	must
be listed per task, not personnel type. The follow	vmg	are some ex	xamı	oles of tas	sks: Drain	ng, u 45 d	ata concett lav report	on, or high
plan, report, or budget preparation for <u>CAP & priority corrective action budget</u>), sampling, fie	ald 0	versite for		P Dev &	(i e dri	lling	well instal	lation.
corrective action, or early action)of maintenance	of	Shad's	$\frac{CR}{T}$	he above	list is not	inclu	sive of all	,
possible tasks.	٠.							
positive tasta.								
Environmental Engineer	0	hours x	\$	100.00	per hour	=	\$	-
(Title)								
Task to be performed for the above hours:		survey and	sam	pling				
Senior Env. Engineer	0	hours x	\$	115.00	per hour	=	\$	
(Title)								
Task to be performed for the above hours:		survey and	sam	pling				
Senior Env. Geologist	0	hours x	\$	92.00	per hour	_	\$	_
(Title)								
Task to be performed for the above hours:		survey and	sam	nling				
Task to be performed for the above hours.		our voy und	-	Pilos				
General Project Manager	0	hours x	\$	100.00	per hour	=	\$	
(Title)								
Task to be performed for the above hours:		survey and	sam	pling	·			
Env. Project Geologist	0	hours x	\$	81.00	per hour	=	\$	
(Title)		•			•			
Task to be performed for the above hours:		survey and	sam	pling				· · · · · · · · · · · · · · · · · · ·
	10	1	ø	01 00	nor hour	_	C .	810.00
Env. Project Scientist	10	hours x		01,00	per nour		\$	810.00
(Title)								
Task to be performed for the above hours:		survey and	san	ıpling	· · · · · · · · · · · · · · · · · · ·			
	1.0		ው	55.00	nor hour	_	\$	550.00
Engineering Technican	10	hours x	<u> </u>	33.00	per hour		φ	330.00
(Title)								
Task to be performed for the above hours:		survey and	san	pling				
Laborer	C	hours x	\$	35.00	per hour	=	\$	-
(Title)		- .						
Task to be performed for the above hours:		survey and	san	pling				

G-1a INVESTIGATION

					IEMA	No.	9	7-1835
	•							
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						<u></u>
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	=	\$	_
Task to be performed for the above hours:		slug test						
Task to be performed for the decide Reals.					-			010 00
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 hou	: ==	\$	_
(Title)					•			
Task to be performed for the above hours:		slug test					· · · · · · · · · · · · · · · · · · ·	
Laborer	С	hours x	\$	35.00	per hou	=	\$	<u>-</u>
(Title)								
Task to be performed for the above hours:		slug test						
		hours x			_ per hou	r =	\$	-
(Title)								
Task to be performed for the above hours:					4			

TOTAL PERSONNEL COSTS:

\$ 5,440.00

G-2 INVESTIGATION

H. EQUIPMENT COSTS

INVESTIGATION

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

	Own or]		Total
Equipment	Rent	Time Used	Units	Unit Rate	Cost/Item
PID Rental	rent		/day	\$ 125.00	\$ -
Water Level Indicator	rent		/day	\$ 15.00	\$ 45.00
Survey Equipment Rental	rent		/day	\$ 65.00	\$ 65.00
Datalogger	rent		/day	\$ 145.50	\$ 145.50
Transducer	rent	1.00	/day	\$ 42.00	\$ 42.00
Slug	rent	1.00	/day	\$ 36.00	\$ 36.00
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			Total Page	H-1	\$ 333.50

H-1 INVESTIGATION

I. FIELD PURCHASES AND OTHER COSTS INVESTIGATION

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

					Handling
Field Purchases	Quantity	Item		Total Cost	Charges
Color Copies		/each	\$ 1.25	\$ -	yes
Carbon Filter Purchase	0	/each	\$ 600.00	\$ -	yes
Manifests	0	/each	\$ 3.00	\$ -	yes
Truck Liner	0	/each	\$ 4.00	\$ -	yes
Bailers +	3	/each	\$ 12.00	\$ 36.00	yes
Film	0	/each	\$ 6.00	\$ -	yes
Photo Development & Copies	0	/each	\$ 15.00	\$ -	yes
Postage				\$ 15.00	yes
Orums	2	/each	\$ 50.00	\$ 100.00	yes
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				\$ -	}
			Subtotal Pag	ge I-1	\$ 151.00

I-1 INVESTIGATION

IEMA N<u>97-1835</u>

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.	Rat	e	Cost	
Copies	C	\$	0.10	\$	-
Mileage for CW3M trips	450.00	\$	0.35	\$	157.50
Per Diem	0.00	\$	36.00	\$	
		ļ			
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

I-2 INVESTIGATION

IEMA No. 97-1835

J. HANDLING CHARGES

INVESTIGATION

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	Eligible Handling Charges as a
Purchase Cost	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

A. Subcontractor Charges	Section where cost]	
Subcontractor	is listed	Subcontract A	mount
Drilling Costs	E-1 Investigation	\$ 1,535.00	
Monitoring Well Installation	E-2 Investigation	\$ 1,650.00	
Disposal of Cuttings	E-2 Investigation	\$ 130.00	
Disposal of Water	E-2 Investigation	\$ 200.00	
Transportation	E-2 Investigation	\$ -	
Laboratory Analysis	F-2 Investigation	\$ 225.00	
		:	
		-	
	•		
	Subtotal J-1 Subtotal	: \$ 3,740.00	

J-1 INVESTIGATION

INVESTIGATION

B. Field Purchase

Field Purchase	Field Purchase Amount
Color Copies	\$ -
Carbon Filter Purchase	\$ -
Manifests	\$ -
Truck Liner	\$ -
Bailers	\$ 36.00
Film	\$ -
Photo Development & Copies	\$ -
	\$ -
Póstage	\$ 15.00
County Assessor	\$ -
Drums	\$ 100.00
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<u> </u>	
	· · · · · · · · · · · · · · · · · · ·
Subto	tal Page J-2: \$ 151.00
Subtotal of Page	es J-1 and J-2: \$ 3,891.00
Hand	lling Charge *: See Handling Charge Total

* 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 INVESTIGATION

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.

Α.	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
В.	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 maintenance (O&M), if applicable	
	0 Months of O&M x (includes utilities, maintenance an	per month =
c.	Excavation and Disposal	d expendable nems)
	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
	transportation, and disposal as re- Excavation: 790.17 cu Transport: 790.17 cu	the a break down of the costs associated with excavation, questd below: abic yards X bic yards X $\frac{$55.63}{$25.01}$ per cu yd = $\frac{$43.956.00}{$19.760.00}$ abic yards X $\frac{$40.37}{$190.00}$ per cu yd = $\frac{$31.895.08}{$13.895.08}$

Э.	Alternative Technology, Type					
	1. Investigation Costs:	5				
	2. Analysis Costs:	§		· .		
	3. Personnel Costs:	,				
	4. Equipment Costs:	\$				
	5. Field Purchases and Other Costs:	\$		•		
			·	· <u>-</u>		
	Of the above costs, please provide a broapplicable:	eak down of the fol	lowing costs as requested	below if		
	Excavation: cubi	ic yards X \$	per cu yd =			
		ic yards X \$	per cu yd =			
	Disposal: cubi	ic yards X \$	per cu yd =			
E.	Operation and Maintenance (O&M) Months of O&M x \$ Backfill Costs		per month = \$			
-	1. Personnel Costs:	\$ 31,167.00				
	2. Equipment Costs:	\$ -		<u>.</u>		
	3. Field Purchases and Other Costs:	\$ 45,362.93		-		
	4. Handling Charges:	See Handling C	harge Total	-		
	Of the above costs, please provide a brapplicable: Type of Backfill: Sand Backfill: 763.83 cubic yards X Type of Backfill: Aggregate 26.34 cubic yards X Type of Backfill: Septic Gr 0.00 cubic yards X Type of Backfill:	\$ 9.72 Backfill \$ 18.98	per cu yd = \$ 7,424.41 per cu yd = \$ 500.03 per cu yd = \$	·	<i>:</i>	
1	cubic yards X	L-2	per cu yd = \$ -	·		

F. ANALYSIS COSTS

EXCAVATION AND DISPOSAL

	Moisture Content samples x \$	per sam	ple = \$	0	
_	Soil Classification samples x \$	per sam	ple = \$	0	
	Indicate method to be perfo	rmed:			•
	Soil Particle Size samples x \$	per sam	ple = \$	0	
	Ex-situ Hydraulic Conductivity/Perr	neability samples			
	x \$	per sam	ple = \$	0	
	Indicate method to be perfo	rmed:			
	Rock Hydraulic Conductivity/Perme	ability samples			
	x \$	per sam	mple = \$	0	
	Natural Organic Carbon Fraction (fo	oc) swnples			
	x \$	per sam	nple = \$	0	
···	Indicate the ASTM or SW-846 meth	od to be performed:	·		-
	samples x \$	per sar	nple = \$	0	
	samples x \$	per sar	nple = \$	0	
_					
	samples x \$	per sar	mple = \$	0	
		per sar			
	samples x \$		mple = \$	<u>0</u> .	
	samples x \$	per sar	mple = \$	<u>0</u> .	
	samples x \$ samples x \$	per sar	mple = \$	0	

F-1 EXCAVATION

_	pH Samples x	Ψ		er sample $= 3$			
	Paint Filter samples x	\$	P	er sample = \$.	0	•	
	TCLP @ samples x	\$	p	er sample = \$	-		
_	Flash Point samples x	\$	p	er sample = \$	0		
	Lab and/or Field Bank	c samples x	\$_		per sample = \$		
_	1 Waste Characterization	on 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 Cos BTEX samples x PNA samples x	\$ \$]	per sample = \$ per sample = \$. 0	
3.	BTEX samples x	\$]	per sample = \$ per sample = \$			
3.	BTEX samples x PNA samples x LUST Pollutants sam	\$\$ ples x] <u>*</u>	per sample = \$ per sample = \$		<u> </u>	
3.	BTEX samples x PNA samples x LUST Pollutants sam pH Samples x	\$\$ ples x \$	1 1 \$	per sample = \$ per sample = \$ per sample = \$	per sample = \$		
3.	BTEX samples x PNA samples x LUST Pollutants sam pH Samples x Lab and/or Field Bla	\$sples x \$nk samples x	\$\$ \$\$	per sample = \$ per sample = \$ per sample = \$			
3.	BTEX samples x PNA samples x LUST Pollutants sam pH Samples x Lab and/or Field Bla Flash Point samples :	\$sples x \$nk samples x x \$	\$ \$ \$_	per sample = \$ per sample = \$ per sample = \$ per sample = \$	per sample = \$	0	
3.	BTEX samples x PNA samples x LUST Pollutants sam pH Samples x Lab and/or Field Bla Flash Point samples :	\$sples x \$nk samples x x \$samples x	\$	per sample = \$ per sample = \$ per sample = \$ per sample = \$	per sample = \$	0	
3.	BTEX samples x PNA samples x LUST Pollutants sam pH Samples x Lab and/or Field Bla Flash Point samples :	\$sples x samples x x \$samples x samples x samples x	\$\$\$\$\$	per sample = \$ per sample = \$ per sample = \$ per sample = \$	per sample = \$	0 0	
3.	BTEX samples x PNA samples x LUST Pollutants sam pH Samples x Lab and/or Field Bla Flash Point samples :	\$sples x \$nk samples x x \$samples x samples x samples x	\$\$\$\$\$	per sample = \$ per sample = \$ per sample = \$ per sample = \$	per sample = \$	0 0 0	
3.	BTEX samples x PNA samples x LUST Pollutants sam pH Samples x Lab and/or Field Bla Flash Point samples :	\$sples x \$nk samples x x \$samples x samples x samples x samples x samples x	\$\$\$\$	per sample = \$ per sample = \$ per sample = \$ per sample = \$	per sample = \$	0 0 0 0	

F-2 EXCAVATION

IEMA No.	97-1835

EXCAVATION

be listed per task, not personnel type. The following	owing	are some e	xamp	les of ta	sks: Drafti	ng, d	ata co	llection,
plan, report, or budget preparation for		(i.e., site	classi	fication	work plan,	45 d	ay rep	oort, or high astallation,
priority corrective action budget), sampling, corrective action, or early action)of maintenance	riela c	Shad's						
possible tasks.	.c o	onad 5	-	ic above	1100 10 1100			
Environmental Engineer .	41	hours x	\$	100.00	per hour	=	\$	4,100.00
(Title)	- ' -	110410 11		100.00	F			
Task to be performed for the above hours:		Soil CAP a	nd bu	idget pré	paration			
Task to be performed for the above fieure.	-	00110						
Senior Env. Engineer	2	hours x	\$	115.00	per hour	=	\$	230.00
(Title)		•						
Task to be performed for the above hours:		Soil CAP a	ınd bu	idget pre	paration			
Senior Env. Geologist	16	hours x	\$	92.00	per hour	=	\$	1,472.00
(Title)								
Task to be performed for the above hours:		Soil CAP a	and bu	ıdget pre	paration			
General Project Manager	0	hours x	\$	100.00	per hour	=	\$	
(Title)					· -			
Task to be performed for the above hours:		Soil CAP a	and bi	ıdget pre	paration			
Env. Project Geologist	15	hours x	. \$	81 NN	per hour	==	\$	1,215.00
Env. Project Geologist (Title)	1.7	, HOULS X		01.00	. Por Hour		-	
· • • • • • • • • • • • • • • • • • • •		Coll CAD a	d b.	. d ~ a+ a=	maration			
Task to be performed for the above hours:		Soil CAP a	and b	idget pro	рагацон			
Env. Project Scientist	5	hours x	\$	81.00	per hour	=	\$	405.00
(Title)								
Task to be performed for the above hours:		Soil CAP	and b	udget pro	eparation			
Engineering Technican	0	hours x	\$	55.00	per hour	=	\$	·
(Title)	·	•			-		,	
Task to be performed for the above hours:		Soil CAP	and b	udget pr	eparation			
Laborer	0	hours x	\$	35.00	per hour	=	\$	<u> </u>
(Title)		•			-			
Task to be performed for the above hours:		Soil CAP	and b	udget pr	eparation			

G-1 EXCAVATION

IEMA No.	97-1835
TEIMY IAO.	77-1055

EXCAVATION

All personnel costs that are not included eisew be listed per task, not personnel type. The following	lowing	are some e	xamp	les of ta	sks: Drafti	ng, d	ata col	lection,
plan, report, or budget preparation for		(i.e., site	classi	fication	work plan,	45.0	lay rep	ort, or hig t stallation,
priority corrective action budget), sampling, corrective action, or early action)of maintenan	field of	versite for Shad's		he ahove				
possible tasks.		Shau s		10 100 10	1101 10 1101			
Technical Editor	8	hours x	\$.	55.00	per hour	=	\$	440.00
(Title)								
Task to be performed for the above hours:		Soil CAP a	nd bu	idget pre	paration			
Draftsman	12	hours x	\$	55.00	per hour	=	\$	660.00
(Title)			-		•			
Task to be performed for the above hours:		Soil CAP a	nd bi	idget pre	paration			
Technical Coordinator	0	hours x	\$	65.00	per hour	=	\$	_
(Title)								
Task to be performed for the above hours:		Soil CAP a	ınd b	udget pre	eparation			
Administrative Assistant	8	hours x	\$	45.00	per hour	=	\$	360.00
(Title)								
Task to be performed for the above hours:		Soil CAP a	ınd b	udget pro	eparation			
Office Manager	6	hours x	. \$	40.00	per hour	=	\$	240.00
(Title)		•			-			
Task to be performed for the above hours:		Soil CAP	and b	udget pr	eparation			
Principal	0	hours x	\$	130.00	per hour	=	\$	
(Title)		•			<u> </u>			
Task to be performed for the above hours:		Soil CAP	and b	udget pr	eparation			
Field Supervisor/Coordinator	0	hours x	\$	110.00	per hour	=	\$	
(Title)	^	- . ,						
Task to be performed for the above hours:		Soil CAP	and t	oudget pr	eparation			
Wastewater Trtmt. Operator	0	hours x	\$	100.00	_ per hour	: =	\$	-
(Title)		-			-			· · · · · · · · · · · · · · · · · · ·
Task to be performed for the above hours:		Soil CAP	and l	oudget pi	reparation			

G-1a EXCAVATION

IEMA No.	97-1835
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EXCAVATION AND DISPOSAL

he listed per task, not personnel type. The fo	llowing a	re some examples of tasks: Drafting, data collection,
plan report or hudget preparation for Exc.	avation	(i.e., site classification work plan, 45 day report, or mg
priority corrective action budget), sampling, i	field over	site for (i.e., drilling/well installation, Shad's . The above list is not inclusive of all
corrective action, or early action), of mainte possible tasks.	nance of	Shad S . The above list is not inclusive of the
possible tasks.		4 10 000 00
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

				IEMA	No	o	97-1835
			•				
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	<u></u>	\$	-
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)		•		. 1		-	
Task to be performed for the above hours:		Excavation	ı-activities				
Field Supervisor/Coordinator (Title)	108.00	hours x \$	110.00	per hour	=	\$	11,880.00
Task to be performed for the above hours:		Excavation	ı activities				
Wastewater Trimt. 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:							
				•			a C

G-2 EXCAVATION

36,278.00

TOTAL PERSONNEL COSTS:

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.

	Own or				Total	
Equipment	Rent	Time Used	Units	Unit Rate		st/Item
PID Rental	rent	0	/day	\$ 125.00	\$	
Survey Equipment Rental	rent	1	/day	\$ 65.00	\$	65.00
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H-1 EXCAVATION

I. FIELD PURCHASES AND OTHER 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.

				_			Handling	
Field Purchases	Quantity	Item			Total Cost		Charges	
Color Copies	 	/each	\$	1.25	\$	-	yes	
Carbon Filter Purchase		/each	\$	600.00	\$		yes	
Manifests	74	/each	\$	3.00	\$	222.00	yes	
Truck Liner	74	/each	\$	4.00	\$	296.00	yes	
Bailers	0	/each	\$	12.00	\$	-	yes	
Film	2	/each	\$	6.00	\$	12.00	yes	
Photo Development & Copies	2	/each	\$	15.00	\$	30.00	yes	
Postage					\$	40.00	yes	
Drums	0	/each	\$	50.00	\$	-	yes	
					\$	_		
Subcontractors								
Sand Backfill	0	/ton	\$	6.00	\$	-	yes	
Aggregate Backfill	0	/ton	\$	11.25	\$	_	yes	
Septic Gravel Backfill	0	/ton	\$	7.75	\$	-	yes	
Concrete	0	/c.y.	\$	61.00	\$		yes	
Disposal Charge		/ton	\$	26.00	\$	31,895.08	yes	
Grove Crane		/hour	\$	150.00	\$	-		
	80.00	/hour	\$	125.00	\$	10,000.00	yes	
Backhoe		/hour	\$	85.00	\$		yes	
Trucking Charge (10 c.y.)		/hour	\$	65.00	\$	19,760.00	yes	
End Loader		/hour		95.00	\$		yes	
Trucking Charge (15 c.y.)		/hour	\$	85.00	\$	-	yes	
Baker Tank		/month	\$:	1,200.00	\$	_	yes	
Electrician		/hour	\$	40.00	\$		yes	
Electrician Mileage		/mile	\$	0.35	\$	_	yes	
Plumber/Inspector		/hour	\$	45.00	\$	_	yes	
Plumber Mileage		/mile	\$	0.35	\$		yes	
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			+		\$	-		
			 	\	\$	-	1	
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		 	+		\$			
			+		\$			
		J	 	total Page	<u>. </u>		\$ 69,055.0	

I-1 EXCAVATION

IEMA 97-1835

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			Co	st
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

I-2 EXCAVATION

IEMA No. 97-1835

HANDLING CHARGES

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

A. Subcontractor Charges		1
	Section where cost	
Subcontractor	is listed	Subcontract Amount
Laboratory Analysis	F-2 Excavation	\$ 1,900.00
Sand Backfill	I-1 Excavation	\$ -
Aggregate Backfill	I-1 Excavation	\$
Septic Gravel Backfill	I-1 Excavation	\$ -
Concrete	I-1 Excavation	\$
Disposal Charge	I-1 Excavation	\$ 31,895.08
Grove Crane	I-1 Excavation	\$
Trackhoe	I-1 Excavation	\$ 10,000.00
Backhoe	I-1 Excavation	\$ 6,800.00
Trucking Charge (10 c.y.)	I-1 Excavation	\$ 19,760.00
End Loader	I-1 Excavation	\$ -
Trucking-Charge-(-15-c.y.)——————————	I-1 Excavation	-\$
Baker Tank	I-1 Excavation	\$ -
Electrician	I-1 Excavation	\$ -
Electrician Mileage	I-1 Excavation	\$ -
Plumber/Inspector	I-1 Excavation	\$ -
Plumber Mileage	I-1 Excavation	\$ -
	` _	
·		
		· · · · · · · · · · · · · · · · · · ·
	Subtotal J-1 Subtotal:	\$ 70,355.08

J-1 EXCAVATION

EXCAVATION AND DISPOSAL

B. Field Purchase

Field Purchase	Field Purchase Amount
Color Copies	\$ -
Carbon Filter Purchase	\$ -
Manifests	\$ 222.00
Truck Liner	\$ 296.00
Bailers	\$ -
Film	\$ 12.00
Photo Development & Copies	\$ 30.00
Postage	\$ 40.00
Drums	\$ -
•	
•	
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· · · · · · · · · · · · · · · · · · ·	
<u> </u>	
	Subtotal Page J-2: \$ 600.00
Subtot	al of Pages J-1 and J-2: \$ 70,955.08
	Handling Charge * See Handling Charge Total

^{*} 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 EXCAVATION

IEMA No.	97-1835

BACKFILL

		the budget/billing form must be listed here. Costs must be listed here.
plan, report, or budget preparation for Back	fill	(i.e., site classification work plan, 45 day report, or hig
priority corrective action budget), sampling, fi	eld over	rsite for (i.e., drilling/well installation, Shad's . The above list is not inclusive of all
	ance of	Shad's . The above list is not inclusive of all
possible tasks.		
Environmental Engineer	4.00	hours x \$ 100.00 per hour = \$ 400.00
(Title)		
Task to be performed for the above hours:		Backfill activities and monitor well replacement
Senior Env. Engineer	0.00	hours x \$115.00 per hour = \$
(Title)		
Task to be performed for the above hours:		Backfill activities
		269.00
Senior Env. Geologist	4.00	hours x \$ 92.00 per hour = \$ 368.00
(Title)		
Task to be performed for the above hours:		Backfill activities and monitor well replacement
General Project Manager	0.00) hours x \$ 100.00 per hour = \$
(Title)		<u> </u>
Tack to be performed for the shows hours.		Backfill activities
Task to be performed for the above hours:		Dackini 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 Technican	124.00	hours x \$ 55.00 per hour = \$ $6,820.00$
(Title)		
Task to be performed for the above hours:		Backfill activities and monitor well replacement
Laborer	124.00	O hours x \$ 35.00 per hour = \$ $4,340.00$
(Title)		
Task to be performed for the above hours:		Backfill activities and monitor well replacement

G-1 BACKFILL

IEMA :	No.	97-1835

BACKFILL

All personnel costs that are not included else be listed per task, not personnel type. The for plan, report, or budget preparation for <u>Bac</u> priority corrective action budget), sampling, corrective action, or early action) of mainter	ollowing kfill field ove	are some ex (i.e., site of ersite for	xamp class	oles of tas ification	sks: Draftir work plan, (i.e., dril	ng, d 45 d ling/	ata co lay rej well i	ollection, port, or high nstallation,
possible tasks.				*				
Technical Editor	0.00	hours x	\$.	55.00	per hour	=	. \$	- ,
(Title)								
Task to be performed for the above hours:	<u>-</u>	Backfill act	ivitie	s				
Draftsman	0.00	hours x	\$	55.00	per hour	=	\$	-
(Title)								
Task to be performed for the above hours:	· .	Backfill act	ivitie	s				
Technical Coordinator	0.00	hours x	\$	65.00	per hour	=	\$	
(Title)								
Task to be performed for the above hours:		Backfill act	ivitie	s		<u>.</u>		
Administrative Assistant	0.00	hours x	\$	45.00	per hour	=	\$	<u>-</u>
(Title)								
Task to be performed for the above hours:	٠.	Backfill act	tiviti	es				
Office Manager	0.00	hours x	\$	40.00	per hour	=	\$	
(Title)								
Task to be performed for the above hours:		Backfill ac	tiviti	es				
Principal	0.00	hours x	\$	130.00	per hour	=	\$	
(Title)								
Task to be performed for the above hours:		Backfill ac	tiviti	es				
Field Supervisor/Coordinator	128.00	hours x	\$	110.00	per hour	= -	\$	14,080.00
(Title)								
Task to be performed for the above hours:		Backfill ac	tiviti	es and m	onitor well	repl	aceme	ent
Construction Foreman	0.00	hours x	\$	65.00	per hour	=	\$	_
(Title)								·
Task to be performed for the above hours:		Backfill ac	tiviti	es				

G-1a BACKFILL

BACKFILL

be listed per task, not personnel type. The foll	lowing	g are some e	exam	ples of ta	.sks: Dra	fting,	data c	ollection,
plan, report, or budget preparation for	field	(1.e., SHE	cias	silication	work pr	an, 45 Irillin	day re	port, or mgn
priority corrective action budget), sampling, corrective action, or early action)of maintenance possible tasks.	ce of	Shad's	7	The above	list is n	ot inc	lusive (of all
Environmental Engineer	15	hours x	\$	100.00	per hou	ır =	\$	1,500.00
(Title)		'						
Task to be performed for the above hours:		Soil CACR	and	Groundy	vater CA	P		
Senior Env. Engineer	3	hours x	\$	115.00	per ho	ır =	\$	345.00
(Title)	:							
Task to be performed for the above hours:		Soil CACR	and	Groundy	vater CA	P		
Senior Env. Geologist	8	hours x	\$	92.00	per hou	ır =	\$	736.00
(Title)	-							
Task to be performed for the above hours:		Soil CACR	and	Groundy	vater CA	Р		
General Project Manager	10	hours x	\$	100.00	per ho	ır =	\$	1,000.00
(Title)								
Task to be performed for the above hours:		Soil CACR	and	. Groundy	vater CA	P		
Env. Project Geologist	8	hours x	\$	81.00	per ho	ır =	\$	648.00
(Title)								
Task to be performed for the above hours:		Soil CACR	and	Groundy	vater CA	<u>.P</u>		
Env. Project Scientist	0	hours x	\$	81.00	per ho	ır =	\$	
(Title)								
Task to be performed for the above hours:		Soil CACR	and	Groundy	water CA	LP.		
Engineering Technican	0	hours x	\$	55.00	per ho	ır =	\$	· -
(Title)								
Task to be performed for the above hours:		Soil CACR	and	Groundy	water CA	λ.P		
Laborer	0	hours x	_\$	35.00	per ho	ır =	\$	
(Title)					-			
Task to be performed for the above hours:		Soil CACR	and	Groundy	water CA	ΔP		

G-1 BACKFILL

	٠.	•		IEMA No.	97-18
Technical Editor	4	hours x \$	55.00	per hour = \$	22
(Title)		·		*	
Task to be performed for the above hours:		Soil CACR ar	nd Groundy	water CAP	
Draftsman	5	hours x \$	55.00	per hour = \$	27
(Title)		_		•	
Task to be performed for the above hours:		Soil CACR ar	nd Groundy	water CAP	
Technical Coordinator	0	hours x \$ _	65.00	per hour = \$	
(Title)					
Task to be performed for the above hours:		Soil CACR at	nd Groundy	water CAP	
Administrative Assistant (Time)	3	hours x \$ _	45.00	per hour = \$	13
Task to be performed for the above hours:		Soil CACR at	ad Groundy	water CAP	
Office Manager (Title)	1	hours x \$	40.00	per hour = \$	
Task to be performed for the above hours:		Soil CACR at	ad Groundy	water CAP	
Principal	2	hours x \$	130.00	per hour = \$	26
(Title)					
Task-to-be-performed-for-the-above-hours:		Soi1-CACR-at	ad-Grounds	water_CAP	
Field Supervisor/Coordinator	0	hours x \$	110.00	per hour = \$	
(Title)		· · · · ·		•	
Task to be performed for the above hours:	•	Soil CACR at	nd Groundy	water CAP	
Wastewater Trtmt. Operator	. 0	hours x \$	100.00	per hour = \$	
(Title)					
Task to be performed for the above hours:		Soil CACR as	nd Groundy	water CAP	
Construction Foreman (Title)	0	hours x \$	65.00	per hour = \$	
Task to be performed for the above hours:		Soil CACR a	nd Ground	water CAP	
		•	•		
AL PERSONNEL COSTS: \$		31,167.00		•	

G-2 BACKFILL

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.

·	Own or				Total
Equipment	Rent	Time Used	Units	Unit Rate	Cost/Item
					. 0
·					0
					0
					0
					0
					0
					0
					0
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	 	 			0
			Total Pag	re H-1	\$ -
		•	Total Tag	E II-I	Ψ -

H-1 BACKFILL

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.

55		.			Handling
Field Purchases	Quantity	Item	Price/Item	Total Cost	Charges
Color Copies		/each	\$ 1.25	\$ 125.00	yes
Carbon Filter Purchase		/each	\$ 600.00	\$ -	yes
Manifests		/each	\$ 3.00	\$ -	yes
Truck Liner		/each	\$ 4.00	\$ -	yes
Bailers		/each	\$.12.00	\$ -	yes
Film	1	/each	\$ 6.00	\$ 6.00	yes
Photo Development & Copies	1	/each	\$ 15.00	\$ 15.00	yes
				\$ -	yes
Postage				\$ 20.00	yes
Drums	0	/each	\$ 50.00	\$ -	yes
				\$ -	
Subcontractors				\$ -	
Sand Backfill	1,237.40		\$ 6.00	\$ 7,424.41	yes
Aggregate Backfill	44.45		\$ 11.25	\$ 500.03	yes
Septic Gravel Backfill	0.00	/ton	\$ 7.75	\$ -	yes
Concrete		/c.y.	\$ 61.00	\$ -	yes
Disposal Charge	0.00	/ton	\$ 26.00	\$ -	yes
Trackhoe	0.00	/hour	\$ 125.00	\$ -	yes
Backhoe	90.00	/hour	\$ 85.00	\$ 7,650.00	yes
Trucking Charge (10 c.y.)	387.00	/hour	\$ 65.00	\$ 25,155.00	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
Drill Rig Mobilization	1	/each	\$ 260.00	\$ 260.00	yes
Replacement MW Install. 25ft	3	/each	\$ 550.00	\$ 1,650.00	yes
Drilling (25 foot wells)		/each	\$ 425.00	\$ 1,275.00	yes
	• .	i		\$ -	
				\$ -	
				\$ -	
				\$ -	
			<u> </u>	\$ -	<u> </u>
		· 		\$ -	
)	·	···	 	\$ -	<u> </u>
			 	\$ -	·
		<u> </u>	Subtotal Page	<u> </u>	\$ 44,080.4

I-1 BACKFILL

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			Co	st
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

I-2 BACKFILL

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 \$1 - \$5,000 \$5,001 - \$15,000 \$15,001 - \$50,000 \$50,001 - \$100,000 \$100,001 - \$1,000,000

Eligible Handling Charges as a Percentage of Cost

12%

\$600 + 10% of amt. Over \$5,000 \$1,600 + 8% of amt. Over \$15,000 \$4,400 + 5% of amt. Over \$50,000 \$6,900 + 2% of amt. Over \$100,000

A. Subcontractor Charges

A. Subcontractor Charges		T
	Section where cost	
Subcontractor	is listed	Subcontract Amount
Sand Backfill	I-1 Backfill	\$ 7,424.41
Aggregate Backfill	I-1 Backfill	\$ 500.03
Septic Gravel Backfill	I-1 Backfill	\$ -
Concrete	I-1 Backfill	\$ -
Disposal Charge	I-1 Backfill	\$ -
Trackhoe	I-1 Backfill	\$ -
Backhoe	I-1 Backfill	\$ 7,650.00
Trucking Charge (10 c.y.)	I-1 Backfill	\$ 25,155.00
End Loader	I-1 Backfill	\$ -
Trucking Charge (15 c.y.)	I-1 Backfill	-
Baker Tank	I-1 Backfill	
Electrician	I-1 Backfill	\$ -
Electrician Mileage	I-1 Backfill	\$ -
Plumber/Inspector	I-1 Backfill	\$ -
Plumber Mileage	I-1 Backfill	\$ -
Drill Rig Mobilization	I-1 Backfill	\$ 260.00
Replacement MW Install. 25ft	I-1 Backfill	\$ 1,650.00
Drilling (25 foot wells)	I-1 Backfill	\$ 1,275.00
,		
·		
		. ,
· ·	Subtotal J-1 Subtotal:	\$ 43,914.43

J-1 BACKFILL

BACKFILL

B. Field Purchase

Field Purchase	Field Purchase Amount
Color Copies	\$ 125.00
Carbon Filter Purchase	\$
Manifests	\$ -
Truck Liner	\$ -
Bailers	\$ -
Film	\$ 6.00
Photo Development & Copies	\$ 15.00
	\$ -
Postage .	\$ 20.00
Drums	\$ -
·	Subtotal Page J-2: \$ 166.00
Subtot	al of Pages J-1 and J-2: \$ 44,080.43
	Handling Charge * See Handling Charge Tota

^{*} 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 BACKFILL

IEMA	No.	97-1835

REIMBURSEMENT PREPARATION

All personnel costs that are not included else be listed per task, not personnel type. The						
plan, report, or budget preparation for	Reimb.	(i.e., site cl	assification w	ork plan, 45	day rep	ort, or high
priority corrective action budget), sampling	, field over	site for		(i.e., drillin	g/well ins	stallation,
corrective action, or early action), of main possible tasks.	tenance of	Shad's .	The above I	ist is not inc	iusive of	an ·
possible tasks.						
Environmental Engineer	0.00	hours x \$	100.00	per hour	= \$	_
(Title)						
Task to be performed for the above hours:		Reimburseme	ent claim prep	paration	*	
Table to our portormore for the doctor and and						
Senior Env. Engineer	4.00	hours x \$	115.00	per hour	= \$.	460.00
(Title)						
Task to be performed for the above hours:		Reimburseme	ent claim prep	paration		
Senior Env. Geologist	14.00	hours x \$	92.00	per hour	= \$	1,288.00
(Title)						
Task to be performed for the above hours:		Reimbursem	ent claim prep	oaration		· · · · · · · · · · · · · · · · · · ·
General Project Manager	10.00	hours x \$	100.00	per hour	= \$	1,000.00
(Title)						
Task to be performed for the above hours:		Reimbursem	ent claim pre	oaration		
Env. Project Geologist	0.00	hours x \$	81.00	per hour	= \$	_
(Title)					٠	
Task to be performed for the above hours:		Reimbursem	ent claim pre	paration		
Env. Project Scientist	0.00	hours x \$	81.00	per hour	= \$	-
(Title)		• •				
Task to be performed for the above hours:		Reimbursem	ent claim pre	paration		
Engineering Technican	0.00	hours x \$	55.00	per hour	= \$	
(Title)		•		•		,
Task to be performed for the above hours:		Reimbursem	ent claim pre	paration		
Laborer	0.00	hours x \$	35.00	per hour	= \$	_
(Title)		<u>-</u>				

G-1 REIMBURSEMENT CLAIM PREP

				IEMA No.	97-1835
rechnical Editor	0.00	hours x \$	55.00	per hour = \$	
(Title)					
Task to be performed for the above hours:		Reimburseme	nt claim pre	paration	
Draftsman	0.00	hours x \$	55.00	per hour = \$	
(Title)				•	
Task to be performed for the above hours:		Reimburseme	nt claim pre	paration	
Fechnical Coordinator	0.00	hours x \$	65.00	per hour = \$	
(Title)		· · · · · · · · · · · · · · · · · · ·		*	
Task to be performed for the above hours:	٠	Reimburseme	nt claim pre	paration	
Administrative Assistant	20.00	hours x \$	45.00	per hour = \$	900.0
(Title)					
Γask to be performed for the above hours:		Reimburseme	nt claim pre	paration	
Office Manager	2.00	hours x \$	40.00	per hour = \$. 80.
(Title)		· · · · · · · · · · · · · · · · · · ·			
Γask to be performed for the above hours:		Reimburseme	nt claim pre	paration	
Principal	0.00	hours x \$	130.00	per hour = \$	-
(Title)					
Task to be performed for the above hours:		Reimburseme	ent claim pre	paration	
Field Supervisor/Coordinator	0.00	hours x \$	110.00	per hour = \$	-
(Title)		· · · · · · · · ·			
Task to be performed for the above hours:		Reimburseme	ent claim pre	paration	
Wastewater Trtmt. Operator	0.00	hours x \$	100.00	per hour = \$	-
(Title)		-			
Task to be performed for the above hours:		Reimburseme	ent claim pre	paration	
	0.00	hours x \$ _		per hour = \$	· _
(Title)					
Task to be performed for the above hours:					

G-2 REIMBURSEMENT CLAIM PREP

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.

					Handling
Field Purchases	Quantity	Item		Total Cost	
Color Copies		/each	\$ 1.25	\$ -	yes
Carbon Filter Purchase		/each	\$ 600.00	\$ -	yes
Manifests		/each	\$ 3.00	\$ -	yes
Truck Liner		/each	\$ 4.00	\$ -	yes
Bailers		/each	\$ 12.00	\$ -	yes
Film	0	/each	\$ 6.00	\$ -	yes
Photo Development & Copies	0	/each	\$ 15.00	\$ -	yes
				\$ -	yes
Postage				\$ 20.00	yes
Drums	0	/each	\$ 50.00	\$ -	yes
				\$ -	
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	L	<u> </u>	Subtotal Pa	ge I-1	\$ 20.0

I-1 REIMBURSEMENT CLAIM PREP

IEMA No. <u>97-1835</u>

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.	Rat	:e		Cos	st
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

I-2 REIMBURSEMENT CLAIM PREP

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
 Eligible Handling Charges as a

 Purchase Cost
 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

	Section where cost	
Subcontractor	is listed	Subcontract Amount
Sand Backfill		
Aggregate Backfill		
Septic Gravel Backfill		
Сопстете		
Disposal Charge		
Trackhoe		
Backhoe		
Trucking Charge (10 c.y.)		
End Loader		
Trucking Charge (15 c.y.)		
Baker Tank		
Electrician		
Electrician Mileage		
Plumber/Inspector		
Plumber Mileage		
•		
	Subtotal J-1 Subtotal:	\$ -

J-1 REIMBURSEMENT CLAIM PREP

REIMBURSEMENT

B. Field Purchase

Field Purchas	e	Field Purchase Amount
Color Copies		\$ -
Carbon Filter Purchase		\$ -
Manifests		\$ -
Truck Liner		\$ -
Bailers		\$ -
Film		\$ -
Photo Development & Copies		\$ -
		\$ -
Postage		\$ 20.00
Drums	•	\$ -
	· · · · · · · · · · · · · · · · · · ·	
		•
		<u> </u>
	Subtotal Page J-2:	\$ 20.00
	Subtotal of Pages J-1 and J-2:	\$ 20.00
•	Handling Charge *:	See Handling Charge Tota

^{*} 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 REIMBURSEMENT CLAIM PREP

		Ours	EPA	Difference
Ε	Investigation	\$ 3,515.00	\$ 3,515.00	
F	Analysis	\$ 2,125.00	\$ 2,125.00	\$ -
G	Personnel	\$ 76,613.00	\$ 76,613.00	\$ -
Н	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					
Concrete	\$ 61.00	/c.y.				
BETX Analysis	\$ 75.00	/each				
PNA Analysis	\$ 175.00					
TACO Parameters	\$ 85.00					
Waste Characterization (soil)	\$ 400.00					
Waste Characterization (water)	\$ 375.00	/each				
Disposal Charge, soil (bulk)	\$ 26.00					
Disposal Charge, soil (drum)	\$ 65.00					
Disposal Charge, water		/gallon				
Trackhoe	\$ 125.00					
Grove Crane	\$ 150.00					
Backhoe	\$ 85.00					
Disk Harrow	\$ 75.00					
Chisel Plow	\$ 20.00					
Tractor	\$ 35.00					
Tractor Operator	\$ 25.00					
Spreader	\$ 200.00					
Trucking Charge (10 c.y.)	\$ 65.00					
End Loader	\$ 95.00					
Trucking Charge (15 c.y.)	\$ 85.00					
Baker Tank	\$ 1,200.00					
Electrician	\$ 40.00					
Plumber/Inspector	\$ 45.00					
Drilling	\$ 17.00					
Drill Rig Mobilization	\$ 260.00					
MW Installation - 15 foot	\$ 450.00					
MW Installation - 20 foot	\$ 500.00					
MW Installation - 25 foot	\$ 550.00					
MW Installation - 35 foot		/each				
Recovery Sump Installation	\$ 2,500.00					
Recovery Well Installation		/each				
Piping, Hose and Fittings	\$ 4,000.00	/lump sum				
Electricity	\$ 200.00	/month				
Sewer Disposal Charge		/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 Londfill	0.5	1				

65 miles 1-way

65 miles 1-way 65 miles 1-way

To Landfill

To Sand Pit
To Septic Gravel Source

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

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 Pi	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

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

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	Cos	t
classification	50	0 (\$	-
investigation/migratory	1:	5 0	\$	-
investigation/monitoring	1.	5 0	\$.
investigation/monitoring	2	5 75	\$	1,275.00
investigation	11	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	Co:	st
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	0.1	\$ 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	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	9		Qty.		Chai	rges
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

* 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.		Rat	ie	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.		Ra	ite	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

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

Soil Analysis	s Costs					
Туре		No.		Rate	Cost	
BETX			0	\$ 75.00	\$	-
PNA	•		0	\$ 175.00	\$	-
TACO Param	neters		0	\$ 85.00	·\$	_
Waste Char.			0	\$ 400.00	\$	-
SUBTOTAL:	SOIL ANALYS	SIS 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		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		days
Backfill	8.33		days
Site Restoration	1		days
Total CW3M in Field	17.77		days

ESTIMATED VOLUMES

Contamina	ated Soil Exc					
	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 7	rench So	il Disposa					
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%) = (10% added for sloping or benching purposes)

790.17 c.y.

Septic G						
Length		Area		Depth	Volume	Volume
(ft)		(sq. ft.)		(ft.)	(cu. ft.)	(c.y.)
	0		0	18.5	0.00	0.00

Concrete f	or GWTU	Tı	ailer 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 E				
	Area	Depth	Volume	Volume	
	(sq. ft.)	(ft.)	(cu. ft.)	(c.y.)	
	1,293.00	0.5	646.5	26.34	c.y.

Area Depth Volume Volume (sq. ft.) (ft.) (cu. ft.) (c.y.)		1	Backfill Sand for Excavation Area		
<u> </u>	me Volume	1	Depth	Area	
	ft.) (c.y.)	1	(ft.)	(sq. ft.)	
[1,293.00	18748.5 763.83 c.y.	5	14.5	1,293.00	

Analysis	Ra	te		Qty.		Cha	rges
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
·							

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Subtotal: Analysis/Excavation	1	1 1 4 7	1 900 00 I
TOUDIGIAL MINITESIS/EXCAVALION	1	Ι ΙΨ	1,500.00

CW3M Personnel	Rat	:e		Qty.	Cha	rges
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		\$	<u> </u>
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	Rat	te		Qty.	Cha	arges
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		\$	· <u>-</u>
Baker Tank	\$ 7	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	d of Disposal						

Other Costs		е		Qty.	Charg	e
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

CW3M Personnel	Ra	te		Qty.	Ch	arges
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	/hoùr		\$	-
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	Rat	е		Qty.	Ch	arges
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 Pag	-2 of the IEPA budget f	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	Э
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

				Arrangen	nents a	and			
·				Mobilizat	ion		Installation		
CW3M Personnel	Rat	е		Qty.	Cha	ges	Qty.	Cha	arges
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	Ra	ite		Qty.	Cha	arges	Qty.	Cha	arges
Sand Backfill	\$	6.00	/ton	1	 \$	-		\$	<u>-</u>
Aggregate Backfill	\$	11.25	/ton		\$	-		\$	
Septic Gravel Backfill	\$	7.75	/ton		\$	-		\$	-
Concrete	\$	61.00	/c.y.		\$	-		\$	-
Disposal Charge	\$	26.00	/ton	1	\$	_		\$	-
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		\$			\$	<u>-</u>
Electrician	\$	40.00	/hour		\$			\$	-
Electrician Mileage	\$	0.35	/mile		\$	-		\$	
Plumber/Inspector	\$	45.00	/hour		\$	<u>-</u>		\$	
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

			Arrangements and Mobilization		Installatio	n		
Other Costs	Rate		Qty.	Char	ges	Qty.	Cha	rges
Copies	\$ 0.1	0 /each		\$	-		\$	-
Mileage for CW3M Trips	\$ 0.3	5 /mile		\$	-	450	\$	157.50
Per Diem	\$ 36.0	0 /day		\$	-		\$	-
				\$	-		\$	-
				\$	_		\$	-
Subtotal Other/Trench				\$			\$	157.50

Other Costs/Field Purchases	Rat	9		Qty.	Char	ges	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	1				\$	-		\$	-
Drums	\$	50.00	/each		\$	-		\$	-
Subtotal Field/Trench	1				\$	-		\$	-

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

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.	Char	ges
Copies	\$	0.10	/each	125	0 \$	125.00

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

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

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

Reimbursement Claim] "			
Preparation		1			
CW3M Personnel	Rate		Qty.	Char	ges
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/Reimburseme	ent Claims			\$	3,728.00

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

Field Reimbursement	Rate)		Qty.	Charg	jes
Color Copies	\$	1.25	/each	- 0	\$	_
Postage					\$	20.00
Subtotal Reimbursement Prep.					\$	20.00
Total Field, Other CAP			1		\$	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

WAR n 2 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.

ROCKFORD – 4302 North Main Street, Rockford, IL 61103 – (815) 987-7760

ELGIN – 595 South State, Elgin, IL 60123 – (847) 608-3131

PEDRIA – 5415 N. University St., Peoria, IL 61614 – (309) 693-5463

BUREAU OF LAND - PEORIA – 7620 N. University St., Peoria, IL 61614 – (309) 693-5462

SPRINGFIELD – 4500 S. Sixth Street Rd., Springfield, IL 62706 – (217) 786-6892

MARION – 2309 W. Main St., Suite 116, Marion, IL 62959 – (618) 993-7200

PRINTED ON PECYCLES OF

Sincerely,

Thomas A. Henninger

Unit Manager

Leaking Underground Storage Tank Section

Division of Remediation Management

Bureau of Land

TAH:JSR:971835B\

Attachment: Attachment A

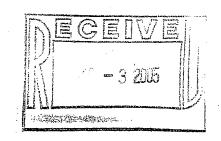
c: CW3M

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).

Pursuent 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 disappove 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 Ilinois EPA's final action.

TAH/JSR:971835AA