# BEFORE THE POLLUTION CONTROL BOARD OF THE STATE OF ILLINOIS

RECEIVED CLERK'S OFFICE

OCT 28 2004

ROYER OIL (SORENTO GARAGE),	)	STATE OF ILLINOIS Pollution Control Board
Petitioner,	)	
v.	) PCB 05-16 ) (UST Appeal)	
ILLINOIS ENVIRONMENTAL PROTECTION AGENCY,	) ), , , , , , , , , , , , , , , , , , ,	
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

Carol Sudman

Hearing Officer

Illinois Pollution Control Board 1021 North Grand Avenue East

P.O. Box 19274

Springfield, Illinois 62794-9274

PLEASE TAKE NOTICE that on October 28, 2004, 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: October 28, 2004

Respectfully submitted,

Royer Oil (Sorento Garage)

By:

One of Its Attorneys

Carolyn S. Hesse

Barnes & Thornburg LLP

One North Wacker Drive

**Suite 4400** 

Chicago, Illinois 60606

(312) 357-1313

243400v1

#### RECEIVED CLERK'S OFFICE

OCT 28 2004

#### **CERTIFICATE OF SERVICE**

STATE OF ILLINOIS Pollution Control Board

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 Carol Sudman Hearing Officer Illinois Pollution Control Board 1021 North Grand Avenue East P.O. Box 19274 Springfield, Illinois 62794-9274

from One North Wacker Drive, Suite 4400, Chicago, Illinois, before the hour of 5:00 p.m., on this 28<sup>th</sup> Day of October, 2004.

Carolyn S. Hesse



## BEFORE THE POLLUTION CONTROL BOARD OF THE STATE OF ILLINOIS

OCT 28 2004

Or THE 5	TATE OF ILLINOIS	STATE OF ILLINOIS
ROYER OIL (SORENTO GARAGE),	)	Pollution Control Board
Petitioner,		
v. ILLINOIS ENVIRONMENTAL	) PCB 05-16 (UST Appeal)	
PROTECTION AGENCY,		
Respondent.	)	

# PETITION FOR REVIEW OF ILLINOIS ENVIRONMENTAL PROTECTION AGENCY DECISIONS

Royer Oil Company, 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. Royer Oil Company ("Royer" or "Petitioner") is the owner of property referred to as Sorento Garage located on Main Street in Sorento, Bond County, Illinois. The site was a gasoline service station that had underground storage tanks (USTs) on the property, which stored gasoline and diesel fuel.
- 2. LUST Incident Number 20000692 was obtained following a site investigation. LPC #0050305009-Bond County has also been assigned.
- 3. On May 13, 2004, Petitioner sent to the Agency a High Priority Corrective Action Plan Budget Amendment (the "Budget Amendment") to perform corrective action at the Station. (*See* Exhibit 1.) The Agency received this document on May 14, 2004. The Budget included signed certifications to

the effect that the submitted Budget complied with the Environmental Protection Act and a revised budget certification was sent to IEPA on June 2, 2004. (See Exhibit 2)

4. On June 24, 2004, the Agency sent a letter to Petitioner rejecting the High Priority Corrective Action Plan Budget Amendment (See Exhibit 3.) The letter stated as follows:

The Budget Amendment is rejected for the reasons(s) listed below (Section 57.7(c)(4) of the Act and 35 Ill. Adm. Code 732.405(c) and 732.503(b)).

The Illinois EPA previously notified the owner or operator of its final action. Further, in accordance with 57.7(c)(4) of the Act and 35 Ill. Adm. Code 732.503(f), the Illinois EPA's action to reject or require modification of the plan or budget, or the rejection of any plan or budget by operation of law, was subject to appeal to the Illinois Pollution Control Board within 35 days after the Illinois EPA's final action.

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

- 5. The Agency's letter provides no additional information regarding why IEPA disapproved the Budget Amendment.
- 6. Petitioner is appealing the Agency's decision letter dated June 24, 2004.
- 7. The parties timely filed a joint notice to extend the 35-day period for Carter to file this appeal. (See Exhibit 4.)
- 8. By Order dated August 5, 2004, the Illinois Pollution Control Board extended the appeal period to October 28, 2004. (*See* Exhibit 5.)
- 9. Petitioner's submittal dated May 13, 2004 to the Illinois EPA included a detailed budget.

10. The letter from Petitioner's consultant to the Agency dated May 13, 2004 that forwards the Budget Amendment states that:

The approved costs have been reassessed and found to be insufficient to complete the work required as described below.

#### (See Exhibit 1)

- 11. Section 732.405(e) provides as follows:
  - e) If, following approval of any groundwater monitoring plan, corrective action plan or associated budget plan, an owner or operator determines that revised procedures or cost estimates are necessary in order to comply with the minimum required activities for the site, the owner or operator shall submit, as applicable, an amended groundwater monitoring plan, corrective action plan or associated budget plan for review by the Agency. The Agency shall review and approve, reject or require modifications of the amended plan in accordance with the procedures contained in Subpart E of this Part.
- 12. Petitioner's Budget Amendment provides costs that are necessary to comply with the Act.
- 13. Under the terms of Section 732.405(e), the Agency is required to review the Budget Amendment 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.
- 14. 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.

15. Petitioner's costs to perform the work as set forth in the Budget

Amendment are reasonable costs.

WHEREFORE, Royer Oil (Sorento Garage) respectfully requests that the Board enter an order that will provide that it be reimbursed from the UST Fund for its submitted costs and for its attorneys' fees and costs in bringing this appeal.

Respectfully submitted,

Royer Oil (Sorento Garage)

By:

One of Its Attorneys

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

243347v1

# CW M Company

701 W. South Grand Avenue Springfield, IL 62704

**Environmental Consulting Services** 

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

May 13, 2004

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

RE: LPC #0050305009—Bond County

Sorento/Royer Oil Company (Sorento Garage)

Main Street

LUST Incident Number: 00-0692

LUST Technical Reports—Corrective Action Plan Amendment

Dear Mr. Jones:

This budget amendment is being submitted in response to the Agency's letter dated November 22, 2002. The approved costs have been reassessed and been found to be insufficient to complete the work required as described below. Since the deductions were not made to a level of detail which indicates either hours or rates that were deducted, the budget amendment includes a complete estimate of the required costs and subtracts out the previously approved amounts on the B-1 page.

Following our review of the deductions and the associated budget, adjustments have been made. Specifically, sand backfill, disposal charges and construction foreman costs have been modified. It has been determined that the remaining requested amount will be necessary in order to complete the approved work in accordance with the regulations.

If you have any questions or require additional information, please do not hesitate to contact Vince E. Smith, P.E. or me at (217) 522-8001.

Sincerely

Carol L. Rowe, P.G.

Senior Environmental Geologist

Enclosure

xc:

Mr. Stephen Royer, Royer Oil Company, Inc.

Mr. Gary Wall, Sorento Garage Property Owner

Mr. William T. Sinnott, CW<sup>3</sup>M Company, Inc.

Ms. Carrie L. DeVore, CW<sup>3</sup>M Company, Inc.

D:\CW3M Projects\Royer Garage\CAP\3 cl.doc

EXHIBIT |

#### 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

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:

activities at Sorento Garage

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: Stephen L. Royer, Royer Oil Company Title: Owner	
	<i>(</i> ************************************
Signature: Date: 177/	04
A STATE OF THE STA	(1,01)
Subscribed and sworn to before me the day of	- 19 wy
(Budget Proposals and Budget Amendments was be notarised when the certification is signed.)	
CAROL L. ROWE	
(Notary Public) NOTARY PUBLIC, STATE OF ILLINOIS {	
MY COMMISSION EXPIRES 2-26-2005 {	
P.E.: Vince E Smith	and the same of th
	The state of the s
P.E. Signature:	
	PROFESSIONAL
Subscribed and sworn to before me the day of	BYCINEER 19
(Budget Proposals and Budget Amendments must be notarized when the certification is signed.)	
(2.00gs, 1.0bs, 2.00gs, 2.00gs	A Secretary and the second
	The state of the s
Seal:	1
(Notary Public)	
The Agency is authorized to require this information under 415 ILCS 5/1. Disclosure of this inform	ation
is required. Failure to do so may result in the delay or denial of any budget or payment requested	The second secon

hereunder. This form has been approved by the Forms Management Center.

IL 532 2273

LPC 499 Rev. Mar-94 BB:jk\971405S.WPD

### BUDGET AND BILLING FORM FOR LEAKING UNDERGROUND STORAGE TANK SITES

#### A. SITE INFORMATION

Site Name: Royer O	il Company - So	orento Garage		· ·
Site Address:	Corner of Cer	iter and Main Street	City:	Sorento
Zip: 62914	1			
County: Bond	····	IEPA Gener	rator No.:	0050305009
IEMA Incident No.:	00-0692	IEMA Notif	fication Date:	4/18/00
Date this Form was Pr	repared: May	<u>7 13, 2004</u>		
This form is being sub	omitted as a:			
	Budge	et Proposal (Revised)		
		et Amendment (Budget he previous budget.)	Amendments mus	t include only the cos
	Amer	ndment Number:	2	
		g Package for costs incu (IAC), Part 732 ("New p		5 Illinois Administrati
This form is being sub	omitted for the Site	Activities indicated be	low (check one):	
Early Acti	on		Site Classification	
Low Prior	ity Corrective Acti	on X	High Priority Corr	ective Action
Other (inc	licate activities)			

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

					IEMA N	No. 00-06	92
If eligible for reimbursem of USTs may be eligible for	a de la companya de						erators
Pay to the order of:	Stephen L. Ro	oyer		····			<del></del> -
Send in care of:	CW3M Comp	oany, Inc.				<u> </u>	· .
Address: P.O. Box	× 571						
City:	Carlinville	State:	II	linois	Zip:	62626	
Number of Petroleum parent or joint stock company of	ompany of the or	wner or o					
Fewer than 1	01: <u>X</u>			101 or more <u>:</u>			
Number of USTs at the		that have	of USTs in been rem	ncludes USTs p oved.)	resently at the	site and US	Ts
Number of incidents re	eported to IEMA		1	· ·			
Incident Numbers assig	gned to the site d	ue to relea	ases from	L 00-0692			·
Diagonist all tambo with	ink karra array kao	. 1			ط و المحادد المحادد	the site	
Please list all tanks whi Product Stored	size Size (gallons)	Did	UST release?	Incident No.	Type of Release	, :	
Gasoline	300	Yes	No	00-0692	tank		
Gasoline	<u>300</u>	Yes	No	00-0692	tank		
Gasoline	550	Yes	No	00-0692	Line lea	ks, overfills	
	· 	Yes	No				·.
· · · · · · · · · · · · · · · · · · ·		Yes	No				
	·	Yes	No				·
	· 	Yes	No		· <u></u> ,		
		Yes	No				
		Yes	No				
		Yes	No				

A-2

#### B. PROPOSED BUDGET SUMMARY AND BUDGET TOTAL

			EQUIRED AMOUNT	REVIOUSLY APPROVED		TOTAL REQUESTED
1.	Investigation Costs:	\$	13,725.00	\$ 13,671.00	\$	54.00
2.	Analysis Costs:	\$	16,265.00	\$ 16,265.00	\$	<u>-</u>
			•			
3.	Personnel Costs:	_\$_	194,512.50	\$ 142,971.46	\$	51,541.04
4.	Equipment Costs:	\$	1,328.00	\$ 1,228.00	\$	100.00
						*
5.	Field Purchases and Other Costs:	\$	369,801.16	\$ 220,686.23	\$	149,114.93
6.	Handling Charges:	\$	12,698.43	\$ 12,952.09	\$	(253.66)
	TOTAL PROPOSED BUDGET =	_\$_	200,556.31		•	

IEMA No.	00-0692

IN	VESTIGA	TION CC	STS					•
	Method I	s	Method II _	<u> </u>	_Method III	Not A	Applicable	X
1.	Borings whe disposal of	nich are to be cuttings sho	completed uld not be:	as monito included h	oring wells sl iere. An indi	drill rig usage, and on the could be listed here it is to made gration must be made gration pathways).	Costs associa	ited with
	14	borings to	15	feet =	210	feet to be bored for	investigatio	n/monitorin
	·	borings to _	8	feet =		feet to be bored for	investigatio	n
	5	borings to _	10	feet =	50	feet to be bored for	investigatio	n
		borings to _	50	feet =		feet to be bored for	classificatio	n
	·	borings to _	15	feet =		feet to be bored for	investigatio	n/migratory
					Total Feet to	o be Bored:	260	<b></b> .
		Borings:	260	feet x \$	320	per foot =\$ 5,	200.00	_(or)
		Hours_		x \$		per hour = \$	· · · · · · · · · · · · · · · · · · ·	
		borings t	hrough _		_ ft of bed	rock =	_Ft bedrock t	to be bored
		borings t	hrough _		_ ft of bed	rock =	_Ft bedrock t	to be bored
					Total Feet b	edrock to be Bored:		
	Borings:		Ft bedro	ock x \$		per ft bedrock = \$		_(or)
		Hours x \$_		per Ho	our = \$		_	
	•	4	# of Mobiliz	zations @ \$	5260	per mobilization = 5	1,040.00	<u>)</u>
	Other Cost					Number of Units	Unit Cost	Total Cost
	see attache	d "Other" sh	eet					
		·						

E.,

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

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

Material	Number of Units	Unit Cost	Total Cost
15-foot monitoring wells			
10-foot, 2" PVC screen	14	\$ 55.00	\$ 770.00
5-foot, 2" PVC riser pipe	14	\$ 25.00	\$ 350.00
Misc. PVC connectors, O-rings, etc.	14	\$ 25.00	\$ 350.00
2" bottom caps	14	\$ 20.00	\$ 280.00
2" Expandable locking caps	14	\$ 30.00	\$ 420.00
Flush mount manway	14	\$ 105.00	\$ 1,470.00
Sand filter pack (3 bags per well)	42	\$ 12.00	\$ 504.00
Bentonite chips (annular seal)	14	\$ 30.00	\$ 420.00
Concrete (surface seal)	14	\$ 19.00	\$ 266.00
Monitor well installation time	14	\$ 105.00	\$ 1,470.00
15-foot monitoring well with 10-foot well			
screen, PVC riser, flush mount manway, filter			
pack, annular seal, and surface seal		Total	\$ 6,300.00

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:	9 drums x \$	65	per drum =	\$ 585.00
Disposal of Water:	300 gallons x \$	2	per gallon =	\$ 600.00
Transportation Costs:	\$0.00	· · ·		
Describe how the water/	soil will be disposed:			 · · · · · · · · · · · · · · · · · · ·
	· · · · · · · · · · · · · · · · · · ·		·	

TOTAL INVESTIGATION COSTS	\$13,725.00

### F. ANALYSIS COSTS

### INVESTIGATION & CAP DEVELOPMENT

Moisture Content samples	\$ \$	5.00 per sample = \$	0
Soil Classification samples	< \$	per sample = \$	0
Indicate method to	be performed:		
Soil Particle Size samples x	\$ \$ :	135.00 per sample = \$	0
Ex-situ Hydraulic Conducti	vity/Permeab	ility samples	
	x \$ _\$	900.00 per sample = \$	0
Indicate method to	be performed:		
Rock Hydraulic Conductivi	y/Permeabili	ty samples	
	x \$	per sample = \$	0
Natural Organic Carbon Fra	ction (foc) sar	nples	
	x \$	per sample = \$	0
Indicate the ASTM or SW-84			
samples	x \$	nor sample = \$	
	·	per sample = \$	0
samples			
	x \$	per sample = \$	0
samples samples	x \$	per sample = \$	0
samples samples	x \$ x \$	per sample = \$ per sample = \$	0 0
samples samples	x \$ x \$ x \$	per sample = \$  per sample = \$  per sample = \$  per sample = \$	0 0
samples samples samples samples	x \$ x \$ x \$	per sample = \$  per sample = \$  per sample = \$  per sample = \$	0 0 0
samples samples samples samples samples	x \$	per sample = \$  per sample = \$  per sample = \$  per sample = \$  per sample = \$	0 0 0

	pH Samples x	10.00	_ per sample = \$		
	Paint Filter samples x \$		_ per sample = \$		
	17 TCLP @ samples x &	85.00	_ per sample = \$	1,445.00	
	Flash Point samples x \$		_ per sample = \$		
	Lab and/or Field Bank s	samples x	\$	per sample = \$ _	·
	LUST Appendix B	samples x \$	900.00	per sample = \$ _	
	1 Waste Char.	samples x \$	400.00	per sample = \$ _	400.00
	TACO Parameters	samples x \$	100.00	per sample = \$ _	· <u>-</u>
		samples x \$		per sample = \$ _	<del>-</del>
	· 	samples x \$		per sample = \$ _	· -
3.	Groundwater Analysis Costs	- This must b	e for laboratory <u>d</u>	<i>analysis</i> only.	
	14 BTEX samples x \$_	75.00	_ per sample = \$	1,050.00	
	PNA samples x	175.00	_ per sample = \$		
	14 Total Lead samples x		\$ 20.00	per sample = \$ _	280.00
	pH Samples x \$		_ per sample = \$	0	
	Lab and/or Field Blank	samples x	\$	per sample = \$ _	<u> </u>
	Flash Point samples x \$_		_ per sample = \$	0	
	1 Waste Characterization			•	375.00
		samples x \$		Per sample = \$	<u>.</u>
		samples x \$		Per sample = \$	. <del>-</del>
	•	samples x \$		Per sample = \$	_
		samples x \$		Per sample = \$	
		samples x \$		Per sample = \$	
ንም ል ፕ			1	_	<u> </u>
JIAL	ANALYSIS COSTS = \$_		5,165.00		4

IEMA No.	00-0692

#### **INVESTIGATION**

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

Environmental Engineer	29.75	hours x	\$	105.00	per hour =	\$	3 <i>,</i> 123. <i>7</i> 5
(Title)		•			•		
Task to be performed for the above hours:		site inv. (d	drilli	ng, samp	oling, surveyi	ng, off-	-site access
Senior Env. Engineer	0	hours x	\$	115.00	per hour =	\$	· .
(Title)					•		
Task to be performed for the above hours:		site inv. (	drilli	ng, samp	oling, surveyi	ng, off	-site access
Senior Env. Geologist	23.25	hours x	\$	92.00	per hour =	\$	2,139.00
(Title)							
Task to be performed for the above hours:	÷	site inv. (	drilli	ng, samp	oling, surveyi	ng, off-	-site access
General Project Manager	3	hours x	\$	100.00	per hour =	\$	300.00
(Title)		,			•		
Task to be performed for the above hours:		site inv. (	drilli	ng, sami	oling, surveyi	ng, off	-site access
Env. Project Geologist	49.25	hours x	\$	81.00	per hour =	\$	3,989.25
(Title)						, =	
Task to be performed for the above hours:		site inv. (	drilli	ng, sam	oling, surveyi	ng, off	-site access
Env. Project Scientist	29.5	hours x	\$	81.00	per hour =	\$	2,389.50
(Title)						<del></del>	
Task to be performed for the above hours:		site inv. (	drilli	ng, sam	oling, surveyi	ng, off	-site access
Engineering Technican	9.25	hours x	\$	55.00	per hour =	\$	508.75
(Title)					•		
Task to be performed for the above hours:		site inv. (	drilli	ng, samj	oling, surveyi	ng, off	-site access
Laborer	0	hours x	\$	40.00	per hour =	\$	·
(Title)		-			-		
Task to be performed for the above hours:		site inv. (d	drilli	ng, samı	oling, surveyi	ng, off	-site access

IEMA No.	00-0692

#### INVESTIGATION

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

Technical Editor	0	hours x	\$	55.00	per hour =	\$	
(Title)		•			•		
Task to be performed for the above hours:		site inv. (d	drillir	ng, samj	oling, surveyi	ng, off-	site access)
Draftsman	8.25	hours x	\$	65.00	per hour =	\$	536.25
(Title)		· ·	•	٠.			
Task to be performed for the above hours:		site inv. (d	drillir	ıg, samı	oling, surveyi	ng, off-s	site access)
Technical Coordinator	0	hours x	\$	65.00	per hour =	\$	· .
(Title)	-	•			•	,	
Task to be performed for the above hours:		site inv. (	drillir	ng, sam	oling, surveyi	ng, off-	site access)
Administrative Assistant	11.5	hours x	\$	45.00	per hour =	\$	517.50
(Title)	-	•			•		
Task to be performed for the above hours:		site inv. (d	drillir	ng, samj	oling, surveyi	ng, off-	site access)
Office Manager	3	hours x	\$	40.00	per hour =	\$	120.00
(Title)							
Task to be performed for the above hours:		site inv. (c	drillir	ng, sam	oling, surveyi	ng, off-	site access)
Principal	0	hours x	\$	130.00	per hour =	\$	
(Title)							
Task to be performed for the above hours:		site inv. (	drillir	ig, samj	oling, surveyi	ng, off-	site access)
Field Supervisor/Coordinator	0	hours x	\$	110.00	per hour =	\$	
(Title)				-	•		
Task to be performed for the above hours:		site inv. (	drillir	ng, samj	oling, surveyi	ng, off-	site access)
Wastewater Trtmt. Operator	0	hours x	\$	100.00	per hour =	\$	-
(Title)		-					
Task to be performed for the above hours:		site inv. (c	drillir	og, sami	oling, survevi	ng, off-:	site access)

IEMA No.	00-0692
ILIVIA IVU.	00-0072

#### CAP DEVELOPMENT

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

Environmental Engineer	22.75	hours x	\$	105.00	per hour	=	\$	2,388.75
(Title)								
Task to be performed for the above hours:		Site Asses	sme	nt Repor	t and CAP	' Dev	velopn	nent
Senior Env. Engineer	2	hours x	\$	115.00	per hour	=	\$	230.00
(Title)		•			1			
Task to be performed for the above hours:		Site Asses	sme	nt Repor	t and CAP	' Dev	velopn	nent
Senior Env. Geologist	11.25	hours x	\$	92.00	per hour	=	\$	1,035.00
(Title)		•		***************************************				
Task to be performed for the above hours:		Site Asses	sme	nt Repor	t and CAP	, De	velopn	nent
General Project Manager	8.5	hours x	\$	100.00	per hour	= .	\$	850.00
(Title)		•			•			
Task to be performed for the above hours:	,	Site Asses	sme:	nt Repor	t and CAP	' Dev	velopn	nent
Env. Project Geologist	65.5	hours x	\$	81.00	per hour	=	\$	5,305.50
(Title)		•						
Task to be performed for the above hours:		Site Asses	sme	nt Repor	t and CAF	' De	velopr	nent
Env. Project Scientist	0	hours x	\$	81.00	per hour	=	\$	
(Title)		•						•
Task to be performed for the above hours:		Site Asses	sme	nt Repor	t and CAP	' De	velopr	nent
Engineering Technican	0	hours x	\$	55.00	per hour	=	\$	<u></u>
(Title)		•			•			,
Task to be performed for the above hours:		Site Asses	sme	nt Repor	t and CAF	) Dev	velopr	nent
Laborer	- 0	hours x	\$	40.00	per hour	=	\$	-
(Title)		•			•			
Task to be performed for the above hours:		Site Asses	sme	nt Repor	t and CAF	' De	velopr	nent

					IEMA N	Jo.	0	0-0692
Technical Editor	5	hours x	\$	55.00	per hour	= ,	\$	275.00
(Title)								
Task to be performed for the above hours:		Site Asses	smer	nt Repor	t and CAP I	Dev	elop	ment
Draftsman	7.5	hours x	\$	65.00	per hour	=	\$	487.50
(Title)						•		
Task to be performed for the above hours:		Site Asses	smer	nt Repor	t and CAP l	Dev	elop	ment
Technical Coordinator	0	hours x	\$_	65.00	per hour	=	\$	<b>-</b> ,
(Title)								
Task to be performed for the above hours:		Site Asses	smer	nt Repor	t and CAP 1	Dev	elop	ment
Administrative Assistant (1111e)	10.75	hours x	\$	45.00	per hour	= .	\$	483.75
Task to be performed for the above hours:		Site Asses	smer	nt Repor	t and CAP I	Dev	elop	ment
Office Manager	3	hours x	\$	40.00	per hour	= ,	\$	120.00
(Title)		*						
Task to be performed for the above hours:		Site Asses	smei	nt Repor	t and CAP	Dev	elop	ment
Principal	. 0	hours x	\$	130.00	per hour	=	\$	
(Title)								
Task to be performed for the above hours:		Site Asses	smei	nt Repor	t and CAP	Dev	elop	ment
Field Supervisor/Coordinator	0	hours x	\$	110.00	per hour	=	\$	-
(Title)								
Task to be performed for the above hours:	,	Site Asses	smei	nt Repoi	t and CAP	Dev	elop	ment
Wastewater Trtmt. Operator	0	hours x	\$	100.00	per hour	=	\$	· _
(Title)		•			•	,	-	
Task to be performed for the above hours:		Site Asses	smei	nt Repoi	t and CAP	Dev	elop	ment
		hours x			per hour	=	\$	_
(Title)		•			•			
Task to be performed for the above hours:								
				. ,		,		

TOTAL PERSONNEL COSTS:

\$ 24.799.50

#### H. EQUIPMENT COSTS

#### INVESTIGATION & CAP DEVELOPMENT

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

	Own or				Total
Equipment	Rent	Time Used	Units	Unit Rate	Cost/Item
PID Rental	rent	4.00	/day	\$ 125.00	\$ 500.00
Water Level Indicator	rent	8.00	/day	\$ 21.00	\$ 168.00
Survey Equipment Rental	rent	4.00	/day	\$ 65.00	\$ 260.00
Measuring Wheel Rental	rent	5.00	/day	\$ 15.00	\$ 75.00
Slug Rental	rent	0.00	/day	\$ 36.00	\$ -
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	1		Total Page	H-1	\$1,003.00

I. FIELD PURCHASES AND OTHER COSTS INVESTIGATION & CAP DEVELOPMENT All equipment used must be listed below in a time and materials format. Handling charges should not I added here; use Section J.

					Handlin
. Field Purchases	Quantity	Item		Total Cost	Charge
Color Copies	0		\$ 1.25	\$	yes
Carbon Filter Purchase	. 0	/each	\$ 600.00	\$ -	yes
Vlanifests	.0	/each	\$ 1.00	\$ -	yes
Truck Liner	0	17	\$ 4.00	\$ -	yes
Bailers	14	/each	\$ 12.00	\$ 168.00	yes
Film	1	/each	\$ 6.00	\$ 6.00	yes
Photo Development & Copies	1	/each	\$ 15.00	\$ 15.00	yes
Encore Samplers	34	/each	\$ 10.00	\$ 340.00	yes
Postage				\$ 64.96	yes
Drums	9	/each	\$ 50.00	\$ 450.00	yes
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			Subtotal P		\$ 1,043.

#### INVESTIGATION & CAP DEVELOPMENT

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

Other Costs	No.	Rat	е	Cost	
Copies	2518	\$	0.10	\$	251.80
Mileage for CW3M trips	1200.00	\$	0.37	\$	444.00
Per Diem	0.00	\$	36.00	\$	-
Total Other	ŀ			\$	695.80

\*Mileage 8 trips at 150 miles/trip 4 trips for drilling, 4 for surveying and sampling

TOTAL OTHER COSTS =

\$ 1*,7*39.76

	Subtotal Page I-2	\$ 695.80
Total (Page	es I-1 and I-2)	\$ 1,739.76

#### J. HANDLING CHARGES

#### INVESTIGATION & CAP DEVELOPMENT

Handling charges are eligible for payment on subcontractor billings and/or field purchases only if they 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		
	Section where cos	1
Subcontractor	is listed	Subcontract Amount
Drilling Costs	E-1	\$ 6,240.00
Monitoring Well Installation	E-2	\$ 6,300.00
Disposal of Cuttings	E-2	\$ 585.00
Disposal of Water	E-2	\$ 600.00
Transportation	E-2	\$ -
Laboratory Analysis	F-2	\$ 5,165.00
		·
		<del></del>
- Company of the Comp	Subtotal J-1 Subtot	ta \$ 18,890.00

#### INVESTIGATION & CAP DEVELOPMENT

Field Purchase	Field Purchase Amount
Color Copies	\$ -
Carbon Filter Purchase	\$
Manifests	\$ -
Truck Liner	\$ -
Bailers	\$ 168.00
Film	\$ 6.00
Photo Development & Copies	\$ 15.00
Encore Samplers	\$ 340.00
Postage	\$ 64.96
Drums	\$ 450.00
	<u> </u>
[0.1]	
Subto	otal Page J-2: \$ 1,043.96
Subtotal of Pag	es J-1 and J-2 : \$ 19,933.96 Iling Charge * : See Handling Charge 1

\* 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

#### 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.	Pr	eparation of the Corrective Action	ı Plan.	
	1.	Investigation Costs:	\$ 13,725.00	
	2.	Analysis Costs:	\$ 5,165.00	
	3.	Personnel Costs:	\$ 24,799.50	
	4.	Equipment Costs:	\$ 1,003.00	
	5.	Field Purchases and Other Costs:	\$ 1,739.76	
	6.	Handling Charges:	See Handling Charge Total	
3.	Gı	roundwater Remediation		
	1.	Analysis Costs:	\$ 3,420.00	
	2.	Personnel Costs:	\$ -	
٠.	3.	Equipment Costs:	\$ 268.00	
	4.	Field Purchases and Other Costs:	\$	
	5.	Handling Charges:	See Handling Charge Total	•
	-	Of the above costs, please provide maintenance (O&M), if applicable	e a break down of the costs associated we, as requested below.	vith operation and
<u> </u>	Ex	Months of O&M x (includes utilities, maintenance ar cavation and Disposal		-
	1.	Analysis Costs:	\$ 4,180.00	
	2,	Personnel Costs:	\$ 77,760.00	
	3.	Equipment Costs:	\$ -	
	4.	Field Purchases and Other Costs:	\$ 235,952.50	
	5.	Handling Charges:	See Handling Charge Total	
		transportation, and disposal as re- Excavation 4,102.59 cubic Transport: 4,102.59 cubic	e a break down of the costs associated words to below:  yards X  yards X  \$ 13.45 per cu yd = \$  yards X  \$ 11.28 per cu yd = \$  vards X  \$ 31.05 per cu yd = \$	5 55,200.00 5 46,280.00

Alternative Technology, Type	Bioremediation	n Treatability Stu	<u>dy</u>	
		•		
1. Investigation Costs:	\$ -			
2. Analysis Costs:	\$ 3,500.00		·	
3. Personnel Costs:	\$ 4,675.00			i.
4. Equipment Costs:	\$ 57.00			
5. Field Purchases and Other Costs:	\$ 201.20		<u>,,</u>	
6. Handling Charges:	\$ 444.14			
Of the above costs, please provide a applicable:	break down of t	the following cos	ts as requ	ested below
Excavation: cubic	c yards X \$	per	cu yd =	
Transport: cubic	c yards X \$	per	cu yd = _	
Disposal: cubic	c yards X \$	per	cu yd = _	
Operation and Maintenance (O&	M):			
Months of O&M x \$ Backfill Costs		_ per month =	\$_	
Months of O&M x \$  Backfill Costs  Personnel Costs:  Equipment Costs:	\$ 69,750.00 \$ -		\$ <u>-</u>	
Backfill Costs  1. Personnel Costs:	\$ 69,750.00 \$ -		\$ <u>_</u>	
Backfill Costs  1. Personnel Costs: 2. Equipment Costs:	\$ 69,750.00 \$ -		\$	
Backfill Costs  1. Personnel Costs: 2. Equipment Costs: 3. Field Purchases and Other Costs: 4. Handling Charges: Of the above costs, please provide a applicable: Type of Backfill: Sand Back 3897.46 cubic yards X	\$ 69,750.00 \$ - \$ 124,881.71 See Handling break down of the still \$ 8.10	Charge Total	ts as requ	ested below
Backfill Costs  1. Personnel Costs: 2. Equipment Costs: 3. Field Purchases and Other Costs: 4. Handling Charges: Of the above costs, please provide a applicable: Type of Backfill: Sand Back 3897.46 cubic yards X  Type of Backfill: Aggregate 205.13 cubic yards X	\$ 69,750.00 \$ - \$ 124,881.71 See Handling break down of the fill \$ 8.10 e Backfill \$ 18.98	Charge Total the following cos	ts as requ	ested below
1. Personnel Costs: 2. Equipment Costs: 3. Field Purchases and Other Costs: 4. Handling Charges: Of the above costs, please provide a applicable: Type of Backfill: Sand Back 3897.46 cubic yards X  Type of Backfill: 205.13 cubic yards X  Type of Backfill: Septic Gracubic yards X	\$ 69,750.00 \$ - \$ 124,881.71 See Handling break down of the still \$ 8.10	Charge Total the following cos per cu yd = \$31	ts as requ	ested below

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### F. ANALYSIS COSTS

### GW REMEDIATION

Moisture Cont	tent samples x \$	per sample = \$	0	
Soil Classificat	tion samples x \$	per sample = \$	0	
Indica	ate method to be performed	d:		
Soil Particle Si	ze samples x \$	per sample = \$	. 0	
Ex-situ Hydra	ulic Conductivity/Permea	bility samples	a.	
	x \$	per sample = \$	0	
Indica	ate method to be performed	d:		
Rock Hydraul	ic Conductivity/Permeabil	lity samples		
	x \$	per sample = \$	0	
Natural Orgar	nic Carbon Fraction (foc) sa	amples		
	· · · · · · · · · · · · · · · · · · ·			
Indicate the A	STM or SW-846 method to	per sample = \$be performed:	0	
Indicate the A	STM or SW-846 method to	be performed:		
Indicate the A	STM or SW-846 method to	be performed:  per sample = \$	0	
Indicate the A	STM or SW-846 method tosamples x \$ samples x \$	be performed:	<u> </u>	
Indicate the A	STM or SW-846 method to  samples x \$  samples x \$  samples x \$	be performed:  per sample = \$  per sample = \$	<u>0</u> 0	
Indicate the A	STM or SW-846 method to  samples x \$	be performed:  per sample = \$  per sample = \$  per sample = \$	0 0 0	
	STM or SW-846 method to  samples x \$	<pre>be performed:</pre>	0 0 0	
oil Analysis Costs	samples x \$ sample	per sample = \$	0 0 0	
	samples x \$  - This must be for laborate as x	per sample = \$   per	0 0 0	
oil Analysis Costs BTEX samples	STM or SW-846 method to  samples x \$  - This must be for laborate  x \$  x \$  x \$	per sample = \$   per	0 0 0 0	

				V 2		
	pH Samples x	\$		per sample = \$	0	
-	Paint Filter samples x	\$	<del></del>	per sample = \$	0	•
-	TCLP @ samples x	\$		per sample = \$	0	
<del>-</del>	Flash Point samples x	\$		per sample = \$	0	
	Lab and/or Field Bar	ık samples x	,	\$	per sample = \$_	0
		_ samples x	\$		per sample = \$_	0
· ·	· · · · · · · · · · · · · · · · · · ·	_ samples x	\$		per sample = \$_	0
		_ samples x	\$	·	per sample = \$ _	0
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		_ samples x	\$		per sample = \$_	0
3.	Groundwater Analysis Co	sts - This mus	t be	for laboratory <u>a</u>	<i>inalysis</i> only.	
-	36 BTEX samples x	\$ 75.	00	per sample =	\$ 2,700.00	
-	0 PNA samples x	\$ 175.	00	per sample =	\$	
· ·	LUST Pollutants sam	ples x		\$	per sample = \$ _	0
	pH Samples x	\$		per sample = \$	0	
	Lab and/or Field Bla	nk samples x		\$	per sample = \$	0
	Flash Point samples x	\$		per sample = \$	0	
	36 Total Lead	_ samples x	\$	20.00	Per sample = \$	720.00
·		_ samples x	\$		Per sample = \$	-
		_ samples x	\$		Per sample = \$	
		_ samples x	\$		Per sample = \$	<u> </u>
·		samples x	\$	·	Per sample = \$	0
· ·	:	_ samples x	\$		Per sample = \$	0
TOTAL	ANALYSIS COSTS =	\$		3,420.00		

F-2(2):

This form must be submitted in duplicate.

### QUARTERLY GW MONITORING

All personnel costs that are not included els be listed per task, not personnel type. The f							
plan, report, or budget preparation fo <u>GW I</u> priority corrective action budget), sampling corrective action, or early action), of mainted	, field	oversite for	r		(i.e., drilli	ng/wel	l installatio
possible tasks.							
Environmental Engineer	32	hours x	\$	105.00	per hour	= \$	3,360.00
(Title)							
Task to be performed for the above hours:		Drilling/N	√W :	Install, P	ost-Remedi	ation Ç	uarterly M
Senior Env. Engineer	. 0	hours x	\$	115.00	per hour	= \$	-
(Title)							
Task to be performed for the above hours:		Drilling/N	MW :	Install, P	ost-Remedi	ation C	uarterly M
Senior Env. Geologist	4	hours x	\$	92.00	per hour	= \$	368.00
(Title)							
Task to be performed for the above hours:	,	Drilling/N	MW :	Install, P	ost-Remedi	ation C	uarterly M
General Project Manager	0	hours x	\$	100.00	per hour	= \$	<u>-</u>
(Title)		•					
Task to be performed for the above hours:		Drilling/N	MW.	Install, P	ost-Remedi	ation Q	uarterly M
Env. Project Geologist	32	hours x	\$	81.00	per hour	= \$	2,592.00
(Title)							
Task to be performed for the above hours:		Drilling/N	MW :	Install, P	ost-Remedi	ation Q	uarterly M
Env. Project Scientist	0	hours x	\$	81.00	per hour	= \$	
(Title)							
Task to be performed for the above hours:		Drilling/N	MW.	Install, P	ost-Remedi	ation Q	uarterly M
Engineering Technican	0	hours x	\$	55.00	per hour	= \$	-
(Title)							
Task to be performed for the above hours:		Drilling/N	MW.	Install, P	ost-Remedi	ation Q	uarterly M
Laborer	0	hours x	\$	40.00	per hour	= \$	-
(Title)				* * * * * * * * * * * * * * * * * * * *			
Task to be performed for the above hours:		Drilling/N	MW.	Install, P	ost-Remedi	ation Q	uarterly M

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### QUARTERLY GW MONITORING

All personnel costs that are not included elsewhere in be listed per task, not personnel type. The following plan, report, or budget preparation for <u>GW Rem</u> priority corrective action budget), sampling, field ove corrective action, or early action), of maintenance of possible tasks.	are	some exar (i.e., site of te for	nples lassi	of tasks: fication w	Drafting, date ork plan, 45 (i.e., drilling	a collect day repo /well ins	ion, rt, or high stallation,
	0	hours x	\$	55.00	per hour =	\$	
(Title)			. —		P		
Task to be performed for the above hours:		Drilling/N	ΛW I	nstall, Po	ost-Remedia	tion Qu	arterly M
Draftsman	0	hours x	\$	65.00	per hour =	\$	_
(Title)					. = 1.		
Task to be performed for the above hours:	_	Drilling/A	1W I	nstall, Po	ost-Remedia	tion Qu	arterly M
	0	hours x	\$	65.00	per hour =	\$	-
(Title)							
Task to be performed for the above hours:	_	Drilling/N	MW I	nstall, P	ost-Remedia	tion Qu	arterly M
Administrative Assistant	2	hours x	\$	45.00	per hour =	\$	90.00
(Title)				1	•		
Task to be performed for the above hours:	-	Drilling/N	MW ]	Install, P	ost-Remedia	tion Qu	arterly M
Office Manager	0	hours x	\$	40.00	per hour =	\$	
(Title)		e e					
Task to be performed for the above hours:		Drilling/N	MW I	nstall, P	ost-Remedia	tion Qu	arterly M
Principal	0	hours x	\$	130.00	per hour =	\$	· <u>-</u>
(Title)							
Task to be performed for the above hours:	-	Drilling/N	<u>√1W ]</u>	Install, P	ost-Remedia	tion Qu	arterly M
Field Supervisor/Coordinator	0	hours x	\$	110.00	per hour =	\$	-
(Title)							•
Task to be performed for the above hours:	-	Drilling/N	MW I	Install, P	ost-Remedia	tion Qu	arterly M
Wastewater Trtmt. Operator	0	hours x	\$	100.00	per hour =	\$	-
(Title)							
Task to be performed for the above hours:	-	Drilling/N	MW 1	Install, P	ost-Remedia	tion Qu	arterly M

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### QUARTERLY GW REPORTING

All personnel costs that are not included elsew be listed per task, not personnel type. The followland, report, or budget preparation fo Quart. Repriority corrective action budget), sampling, fie corrective action, or early action), of maintenant possible tasks.	owi ept	ng are som (i.e., site oversite fo	le exi class r	amples of ification	of tasks: D work pla (i.e., dril	raftii n, 45 ling,	ng, d day 'well	ata collecti report, or installatio
Environmental Engineer	20	hours x	\$	105.00	per hour	· =	\$	2,100.00
(Title)								
Task to be performed for the above hours:		Project/D	ata N	/Ianager	nent, Qua	rterly	Rep	orting
Senior Env. Engineer	8	hours x	\$	115.00	per hour	: =	\$	920.00
(Title)		,				·		
Task to be performed for the above hours:		Project/D	ata N	Manager	nent, Qua	rterly	Rep	orting
Senior Env. Geologist	0	hours x	\$	92.00	per hour	· : =	\$	-
(Title)					•			
Task to be performed for the above hours:		Project/D	ata N	/Ianager	nent, Qua	rterly	r Rep	orting
General Project Manager	4	hours x	\$	100.00	per hour	=	\$	400.00
(Title)					•			
Task to be performed for the above hours:		Project/D	ata N	/Ianager	nent, Qua	rterly	Rep	orting
Env. Project Geologist	0	hours x	\$	81.00	per hou	· =	\$	-
(Title)								
Task to be performed for the above hours:		Project/D	ata N	Manager	nent, Qua	rterly	r Rep	orting
Env. Project Scientist	0	hours ×	\$	81.00	per hour	=	\$	_
(Title)								
Task to be performed for the above hours:		Project/D	ata N	Manager	nent, Qua	rterly	Rep	orting
Engineering Technican	0	hours ×	\$	55.00	per hour	=	\$	. <u>-</u>
(Title)		•						
Task to be performed for the above hours:		Project/D	ata N	⁄lanager	nent, Qua	rterly	/ Rep	orting
Laborer	0	hours x	\$	40.00	per hou	· = .	\$	
(Title)		•						
Task to be performed for the above hours:		Project/D	ata N	/Ianager	nent, Qua	rterly	/ Rep	orting

	IEMA No00-069
·	
Technical Editor	0 hours x \$ 55.00 per hour = \$ \$
(Title)	
Task to be performed for the above hours:	Project/Data Management, Quarterly Reportin
Draftsman	10 hours x \$ 65.00 per hour = \$ \$ 65.00
(Title)	
Task to be performed for the above hours:	Project/Data Management, Quarterly Reportin
Technical Coordinator	0 hours x \$ 65.00 per hour = \$ \$
(Title)	To allow the second partitions of the second partition of the second p
Task to be performed for the above hours:	Project/Data Management, Quarterly Reportin
Administrative Assistant	20 hours x \$ 45.00 per hour = \$ \$ 90
(Title)	
Task to be performed for the above hours:	Project/Data Management, Quarterly Reportin
Office Manager	0 hours x \$ 40.00 per hour = \$ \$
(Title)	
Task to be performed for the above hours:	Project/Data Management, Quarterly Reportin
Principal	0 hours x \$ 130.00 per hour = \$ \$
(Title)	
Task to be performed for the above hours:	Project/Data Management, Quarterly Reportin
Field Supervisor/Coordinator	0 hours x \$ 110.00 per hour = \$ \$
(Title)	
Task to be performed for the above hours:	Project/Data Management, Quarterly Reportin
Wastewater Trtmt. Operator	0 hours x \$ 100.00 per hour = \$ \$
(Title)	
Task to be performed for the above hours:	Project/Data Management, Quarterly Reportin
	$hours \times per hour = $$
(Title)	*
Task to be performed for the above hours:	
AL PERSONNEL COSTS: \$	11,380.00

This form must be submitted in duplicate.

#### H. EQUIPMENT COSTS

#### **GW REMEDIATION**

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

	Own or					,	Γotal
Equipment Rent		Time Used	Units	Unit Rate		Cost/Item	
Groundwater Treatment Unit (includes traile	Rent	0	/mnth	\$ :	2,070.00	\$	-
surge tank, oil/water separator, shallow tray							0
air stripper, vent pipes, air compressor/blower							0
holding tank, effluent pump, particulate filte	er,						0
initial set carbon filters, sampling tank,							. 0
autodialer, lights, exhaust fans and climate							0
control)							0
PID Rental	Rent	1.0	/day	\$	125.00	\$	125.00
Survey Equipment Rental	Rent	1.0	/day	\$	65.00	\$	65.00
Water Level Indicator	Rent	3.0	/day	\$	21.00	\$	63.00
Measuring Wheel Rental	Rent	1.0	/day	\$	15.00	\$	15.00
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			Total Pa	ge H	-1	\$	268.00

#### I. FIELD PURCHASES AND OTHER COSTS GW MONITORING

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

					_		Handlin
Field Purchases	Quantity	Item	_	ice/Item		al Cost	Charge
Color Copies	0	/	\$	1.25	\$		yes
Carbon Filter Purchase	0	/each	\$	600.00	\$		yes
Manifests	0	/each	\$	1.00	\$		yes
ruck Liner	. 0	/each	\$	4.00	\$	-	yes
Bailers	54	/each	\$	12:00	\$	648.00	yes
ilm	. 1	/each	\$	6.00	\$	6.00	yes
Photo Development & Copies	1	/each	\$	15.00	\$	15.00′	yes
njection Point Installation	0.0	/each	\$	500.00	\$		yes
Postage					\$	40.00	yes
Drums	0	/each	\$	50.00	\$		yes
Permit Fees	0	/each	\$	100.00	\$		yes
Subcontractors							
and Backfill	0.00	/ton	\$	5.00	\$		yes
Aggregate Backfill	0.00	/ton	\$	11.25	\$		yes
eptic Gravel Backfill	0.00	/ton	\$	<i>7.7</i> 5	\$	-	yes
Concrete	0.00	/c.y.	\$	61.00	\$	_	yes
Disposal Charge	0.00	/ton	\$	20.00	\$		yes
Trackhoe	0.00	/hour	\$	145.00	\$	_	yes
Backhoe	0.00	/hour	\$	95.00	\$		yes
Trucking Charge (10 c.y.)	0.00	/hour	\$	65.00	\$	_	yes
Ind Loader	0.00	/hour	\$	95.00	\$	_	yes
rucking Charge (15 c.y.)	0.00	/hour	\$	85.00 <sup>°</sup>	\$	_	yes
Baker Tank	0.00	/month	\$	1,200.00	\$	_	yes
Electrician	0.00	/hour	\$	40.00	\$	-	ves
llectrician Mileage	0.00	/mile	\$	0.37	\$	_	yes
Plumber/Inspector	0.00	/hour	\$	45.00	\$	-	yes
Plumber Mileage	0.00	/mile	\$	0.37	\$	-	yes
Carbon Filter Disposal	0	/each	\$	1,000.00	\$		yes
Electricity	. 0	/mo.	\$	200.00	\$		yes
Sewer Disposal Charge	0	/gal.		0.001	\$	_	yes
Recovery Sump Installation	0	/each	\$	2,500.00	\$		yes
Recovery Sump Closure	0	/each	\$	1,200.00	\$	_	yes
Monitoring Well Closure		/each	\$	350.00	\$	-	yes
elephone Line Installation	0	/each	\$	150.00	\$	-	yes
elephone Line (autodialer)		/month	\$	30.00	\$	-	yes
Recovery Well Installation		/each	\$	800.00	\$	-	yes
Recovery Well Closure		/each	\$	400.00	\$		yes
Orilling (15 ft. wells)	105	/ft.	\$	20.00	\$	2,100.00	yes
MW Installation (replacement)	7	/each	\$	450.00	\$		yes
Orill Rig Mobilization	1	/each	\$	260.00	\$	260.00	yes
		1.6	·		\$		

#### **GW MONITORING**

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	550.0	\$	0.10	/each	\$	55.00
Mileage for CW3M trips	1380.0	\$	0.37	/each	\$	510.60
Per Diem ·	0.0	\$	36.00	/day	\$	-
GWTU Mobilization to Sit	0.0	\$	350.00	/each	\$	-
Maintenance Cost	0.0	\$	50.00	/month	\$	-
			·			
		<u>.</u>				
Total Other					\$	565.60

\*Number of Trips

- 3 trips each at 150 miles/trip for Environmental Engineer (1 for MW replacement, 2 for Quarterly Monitoring)
- 3 trips each at 310 miles/trip for Environmental Project Geologist (1 for MW replacement, 2 for Quarterly Monitoring)

TOTAL OTHER COSTS = \$ 565.60

Total (Pages I-1 and I-2) \$ 6,784.60

I-2 (2)

#### J. HANDLING CHARGES

#### QUARTERLY REPORTING / BIO-TRENCH

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		
Laboratory Analysis	F-2(2)	\$ 3,420.00		
Sand Backfill	I-1(2)	\$ -		
Aggregate Backfill	I-1(2)	\$ -		
Septic Gravel Backfill	I-1(2)	\$ -		
Concrete	I-1(2)	\$ -		
Disposal Charge	I-1(2)	\$ -		
Trackhoe	I-1(2)	\$ -		
Backhoe	I-1(2)	\$ -		
Trucking Charge (10 c.y.)	I-1(2)	\$ -		
End Loader	I-1(2)	\$ -		
Trucking Charge (15 c.y.)	I-1(2)	\$ -		
Baker Tank	I-1(2)	<b> \$</b> -		
Electrician	I-1(2)	\$ -		
Electrician Mileage	I-1(2)			
Plumber/Inspector	I-1(2)	\$ -		
Plumber Mileage	. I-1(2)	\$ -		
Carbon Filter Disposal	I-1(2)	\$ -		
Electricity	I-1(2)	\$ -		
Sewer Disposal Charge	I-1(2)	\$ -		
Recovery Sump Installation	I-1(2)	\$ -		
Recovery Sump Closure	I-1(2)	\$ -		
Monitoring Well Closure	I-1(2)	\$ -		
Telephone Line Installation	I-1(2)	\$ -		
Telephone Line (autodialer)	I-1(2)	\$ -		
Recovery Well Installation	I-1(2)	\$ -		
Recovery Well Closure	I-1(2)	\$ -		
Telephone Line (autodialer)	I-1(2)	\$ -		
Drilling (15 ft. wells)	I-1(2)	\$ 2,100.00		
MW Installation (replacement)	I-1(2)	\$ 3,150.00		
Drill Rig Mobilization	I-1(2)	\$ 260.00		
Injection Point Installation	I-1(2)	\$ -		
	Subtotal J-1 Subtota	.l: \$ 8,930.00		

## QUARTERLY REPORTING / BIO-TRENCH

B. Field Purchase

Field Purchase	Field Purchase Amoun
Color Copies	\$ -
Carbon Filter Purchase	\$ -
Manifests	\$ -
Truck Liner	\$ -
Bailers	\$ 648.00
Film	\$ 6.00
Photo Development & Copies	\$ 15.00
Postage	\$ 40.00
Drums .	\$ -
Permit Fees	\$ -
· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
<u></u>	
Subto	otal Page J-2 : \$ 709.00
Subtotal of Page	s J-1 and J-2 : \$ 9,639.00 Iling Charge 'See Handling Charge'
Hand	lling Charge 'See Handling Charge'

<sup>\*</sup> 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(2)

# F. ANALYSIS COSTS

# EXCAVATION AND DISPOSAL

Moisture Content s	amples x \$	pei	: sample = \$	0	
Soil Classification s	samples x \$	perper	sample = \$	0	
Indicate m	ethod to be perform	ed:			
Soil Particle Size sa	mples x \$	pe	sample = \$	. 0	
Ex-situ Hydraulic (	Conductivity/Perme	eability sampl	es		
	x \$	pe	sample = \$	0	
Indicate m	ethod to be perform	ed:		·	
Rock Hydraulic Co	nductivity/Permeal	oility samples	F		
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Natural Organic Ca	arbon Fraction (foc)	swnples		•	
	× \$	per	sample = \$	0	
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l Analysis Costs - Thi	samples x \$samples x \$sample x \$sample x \$sample x \$	pe pe pe tory <i>analysis</i>	r sample = \$ r sample = \$ r sample = \$ r sample = \$ r sample = \$	0 0	
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F-2(3)

This form must be submitted in duplicate.

IEMA No. 00-0692

# G. PERSONNEL

# EXCAVATION AND DISPOSAL

be listed per task, not personnel type. The plan, report, or budget preparation fo Excapriority corrective action budget), samplin	following, field	ng are some examples of tasks: Drafting, data collecting, (i.e., site classification work plan, 45 day report, or oversite for (i.e., drilling/well installation). Sorento G: The above list is not inclusive of all
Environmental Engineer	288.00	hours x \$ 105.00 per hour = \$ 30,240.00
(Title)		
Task to be performed for the above hours:		Excavation activities
Senior Env. Engineer	· .	hours $\times$ \$ 115.00 per hour = \$ -
(Title)		
Task to be performed for the above hours:		Excavation activities
Senior Env. Geologist (Title)		hours x \$ 92.00 per hour = \$
Task to be performed for the above hours:		Excavation activities
General Project Manager		hours x \$ 100.00 per hour = \$
(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	288.00	hours x \$ 55.00 per hour = \$ 15,840.00
(Title)		
Task to be performed for the above hours:		Excavation activities
Laborer		hours x \$ 40.00 per hour = \$
(Title)  Task to be performed for the above hours:		Excavation activities
The performance for the troops of the troops		The state of the s

			\$ p			
Technical Editor	0.00	hours x \$	55.00	per hour	= \$	-
(Title)		<del>-</del>				
Task to be performed for the above hours:		Excavation a	activities			
Draftsman	0.00	hours x \$	65.00	per hour	= \$	·
(Title)						
Task to be performed for the above hours:		Excavation a	activities		<del> </del>	
Technical Coordinator (Title)	0.00	hours x \$ _	65.00	per hour	= \$	<u></u>
Task to be performed for the above hours:		Excavation a	activities			
Administrative Assistant	0.00	hours x \$_	45.00	per hour	= \$	<u></u>
Task to be performed for the above hours:		Excavation a	activities			· · · · · · · · · · · · · · · · · · ·
Office Manager	0.00	hours x \$_	40.00	per hour	= \$	-
(Title)						
Task to be performed for the above hours:		Excavation a	activities			
Principal	0.00	hours x \$	130.00	per hour	= \$	
(Title)						
Task to be performed for the above hours:		Excavation a	activities	•		
Field Supervisor/Coordinator 2	88.00	hours x \$ _	110.00	per hour	= \$	31,680.00
(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 a	activities			
Construction Foreman	0.00	hours x \$_	65.00	per hour	= \$	_
(Title)						
Task to be performed for the above hours:						

IEMA No.

00-0692

TOTAL PERSONNEL COSTS:

\$ 77,760.00

G-2(3)

This form must be submitted in duplicate.

# H. EQUIPMENT COSTS

# EXCAVATION AND DISPOSAL

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

	Own or				Total
Equipment	Rent	Time Used	Units	Unit Rate	
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		į	Total Pag	ge H-1	\$ -

## 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.

				7	Handling
Field Purchases	Quantity	Item	Price/Item		Charges
Color Copies	0	/each	\$ 1.25	\$ -	yes
Carbon Filter Purchase	0	/each	\$ 600.00	\$ -	yes
Manifests	530	/each	\$ 1.00	\$ 530.00	yes
Truck Liner	530	/each	\$ 4.00	\$ 2,120.00	yes
Bailers	0	/each	\$ 12.00	\$ -	yes
Film	1	/each	\$ 6.00	\$ 6.00	yes
Photo Development & Copies	1	/each	\$ 15.00	\$ 15.00	yes
Encore Samplers	42	/each	\$ 10.00	\$ 420.00	yes
Postage			·	\$ -	yes
Drums	0	/each	\$ 50.00	\$ -	yes
Subcontractors				\$ - \$ -	
		/ 11	E 100		
UST Removal	0	/gallon	\$ 1.00	\$ -	yes
Building Demolition		L.S.	\$ 8,000.00	\$ -	yes
Asbestos Inspection	0.00	/each	\$ 900.00	\$ -	yes
Sand Backfill		/ton	\$ 5.00	\$ -	yes
Aggregate Backfill	0	/ton	\$ 11.25	\$ -	yes
Septic Gravel Backfill	0	/ton	\$ 7.75	\$	yes
Concrete		/c.y.	\$ 61.00	\$ -	yes
Disposal Charge	• 6,369.28	/ton	\$ 20.00	\$127,385.50	yes
Trackhoe	230.00	/hour	\$ 145.00	\$ 33,350.00	yes
Backhoe	230.00	/hour	\$ 95.00	\$ 21,850.00	yes
Trucking Charge (10 c.y.)	712.00	/hour	\$ 65.00	\$ 46,280.00	yes
End Loader	0	/hour	\$ 95.00	\$ -	yes
Trucking Charge (15 c.y.)	0	/hour	\$ 85.00	\$ -	yes
Baker Tank	0	/month	\$ 1,200.00	\$ -	yes
Electrician	0	/hour	\$ 40.00	\$ -	yes
Electrician Mileage	0	/mile	\$ 0.37	\$ -	yes
Plumber/Inspector	0	/hour	\$ 45.00	\$ -	yes
Plumber Mileage	0	/mile	\$ 0.37	\$ -	yes
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			Subtotal Pag		\$ 231,956.50

IEMA 00-0692

## **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	0	\$	0.10	/each	\$	-
Mileage for CW3M trips	10800	\$	0.37	/each	\$	3,996.00
Per Diem	0	\$	36.00	/day	\$	-
					\$	-
					\$	-
Total Other					\$	3,996.00

\*Number of Trips

48 trips at

150 miles per trip for field crew

24 trips at

150 miles per trip for Environmental Engineer

TOTAL OTHER COSTS = \$

3,996.00

Total (Pages I-1 and I-2) \$ 235,952.50

I-2 (3)

This form must be submitted in duplicate

#### J. HANDLING CHARGES

#### EXCAVATION AND DISPOSAL

Handling charges are eligible for payment on subcontractor billings and/or field purchases only if they 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

	Section where cos	t
Subcontractor	is listed	Subcontract Amount
Laboratory Analysis	F-2(3)	\$ 4,180.00
UST Removal	I-1(3)	\$ -
Building Demolition	I-1(3)	\$ -
Asbestos Inspection	I-1(3)	- \$ -
Sand Backfill	I-1(3)	\$ -
Aggregate Backfill	I-1(3)	\$ -
Septic Gravel Backfill	I-1(3)	\$ -
Concrete	I-1(3)	\$ -
Disposal Charge	I-1(3)	\$127,385.50
Trackhoe	I-1(3)	\$ 33,350.00
Backhoe	I-1(3)	\$ 21,850.00
Trucking Charge (10 c.y.)	I-1(3)	\$ 46,280.00
End Loader	I-1(3)	\$ -
Trucking Charge (15 c.y.)	I-1(3)	.\$ -
Baker Tank	I-1(3)	\$ -
Electrician	I-1(3)	-
Electrician Mileage	I-1(3)	\$ -
Plumber/Inspector	I-1(3)	\$ -
Plumber Mileage	I-1(3)	\$ -
	'	
,		
	Subtotal J-1 Subtota	al: \$233,045.50

## EXCAVATION AND DISPOSAL

B. Field Purchase

Field Purchase	Field Purchase Amount
Color Copies	\$ -
Carbon Filter Purchase	\$ -
Manifests	\$ 530.00
Truck Liner	\$ 2,120.00
Bailers	\$ -
Film	\$ 6.00
Photo Development & Copies	\$ 15.00
	\$ 420.00
Postage	\$ -
Drums	\$ -
· · · · · · · · · · · · · · · · · · ·	
-	
	<u> </u>

Subtotal Page J-2: \$ 3,091.00

Subtotal of Pages J-1 and J-2: \$ 236,136.50

Handling Charge See Handling Charge Total

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

 $<sup>\</sup>mbox{\ensuremath{^{\star}}}$  Use chart at top of Page J-1 to calculate the allowable handling charge.

IEMA No.	00-0692
	00 00,=

## G. PERSONNEL

## BACKFILL

All personnel costs that are not included elebe listed per task, not personnel type. The plan, report, or budget preparation fo Back priority corrective action budget), samplin corrective action, or early action), of maintenance possible tasks.	followi fill g, field	ng are some examples (i.e., site classificatio oversite for	of tasks: Draftin on work plan, 45 (i.e., drilling/	ng, data collect day report, or well installatio
Environmental Engineer	225.00	hours x \$105.00	per hour = \$	23,625.00
(Title)				
Task to be performed for the above hours:		Backfill activities		
Senior Env. Engineer	0.00	hours x \$115.00	per hour = \$	_
(Title)				
Task to be performed for the above hours:		Backfill activities		
Senior Env. Geologist	0.00	hours x \$ 92.00	_ per hour = \$	
(Title)				
Task to be performed for the above hours:		Backfill activities	·	
General Project Manager	0.00	hours x \$100.00	_ per hour = \$	
(Title)				
Task to be performed for the above hours:		Backfill activities		<del></del>
Env. Project Geologist	0.00	hours x \$ 81.00	per hour = \$	<b>-</b>
(Title)			<del></del>	
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	225.00	hours x \$55.00	per hour = \$	12,375.00
(Title)				
Task to be performed for the above hours:		Backfill activities		
Laborer	225.00	hours x \$ 40.00	per hour = \$	9,000.00
(Title)				
Task to be performed for the above hours:		Backfill activities		

		Ÿ. y	IEMA N	10	00-0692
Technical Editor	0.00	hours x \$ 55.00	) perhour =	- - \$	
(Title)			F		
Task to be performed for the above hours:		Backfill activities			
Draftsman	0.00	hours x \$ 65.00	)     per hour  =	- \$	-
(Title)			<del>- :</del>	-	
Task to be performed for the above hours:		Backfill activities		·	
Technical Coordinator	0.00	hours x \$ 65.00	per hour =	= \$ <u>-</u>	٠
(Title)		<del></del>			
Task to be performed for the above hours:		Backfill activities			
Administrative Assistant	0.00	hours x \$ 45.00	_ per hour =	= \$ <b>_</b>	
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	225.00	hours x \$ 110.00	) per hour =	<b>\$</b>	24,750
(Title)		· · · · · · · · · · · · · · · · · · ·	;	-	<del>P514741 - 11 - 11 - 11 - 11 - 11 - 11 - 11</del>
Task to be performed for the above hours:	÷	Backfill activities			
Wastewater Trtmt. Operator	0.00	hours x \$ 100.00	) per hour =	<b>.</b> \$	
(Title)			*	-	H
Task to be performed for the above hours:	*	Backfill activities			
Construction Foreman	0.00	hours x \$ 65.00	)_ per hour =	* \$ _	
Construction Foreman (Title)	0.00	hours x \$65.00	) per hour =	* \$ <b>_</b>	
	0.00	hours x \$ 65.00	) per hour =	* \$ <b>_</b>	
(Title)	0.00	hours x \$ 65.00	) per hour =	* \$ <u></u>	
(Title)	0.00	hours x \$ 65.00	) per hour =	= \$ <u>-</u>	

This form must be submitted in duplicate.

## H. EQUIPMENT COSTS

#### BACKFILL

All equipment used must be listed below in a time and materials format. Handling charges should not 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
					0
					0
					0
					0
					0
					0
					0
					0
					0
					0
				. ~	0
					0
					0
					0
-					0
					0
,					0
					0
		-			0
					. 0
					0
					. 0
					. 0
					0
					0
					0
					0
					0
					0
					0
					0
			Total Pag	ze H-1	\$ -

## 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.

				<u></u>			Handling
Field Purchases	Quantity	Item	Price/Item		Tota	al Cost	Charges
Color Copies	0	/each	\$	1.25	\$	_	yes
Carbon Filter Purchase	0	/each	\$	600.00	\$	-	yes
Manifests	0	/each	\$	1.00	\$	-	yes
Truck Liner	. 0	/each	\$	4.00	\$	-	yes
Bailers	0	/each	\$	12.00	\$	-	yes
Film	0	/each	\$	6.00	\$	_	yes
Photo Development & Copies	0	/each	\$	15.00	\$	-	yes
					\$	-	yes
Postage					\$	-	yes ·
Drums	0	/each	\$	50.00	\$	-	yes
					\$	-	
Subcontractors					\$	-	
Sand Backfill	6,313.89	/ton	\$	5.00	\$ 3	31,569.45	yes
Aggregate Backfill	346.16		\$	11.25	\$	3,894.26	yes
Septic Gravel Backfill	0.00	/ton	\$	7.75	\$		ves
Concrete	0.00		\$	61.00	\$	_	yes
Disposal Charge	0.00	/ton	\$	20.00	\$	-	yes
Trackhoe	0.00	/hour	\$	145.00	\$	-	yes
Backhoe		/hour	\$	95.00	\$ 2	22,800.00	yes
Trucking Charge (10 c.y.)	960.00	/hour	\$	65.00	\$ 6	52,400.00	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	\$	0.37	\$	-	yes
Plumber/Inspector	0.00	/hour	\$	45.00	\$	<b>-</b>	yes
Plumber Mileage	0.00	/mile	\$	0.37	\$	_	yes
Drill Rig Mobilization	0	/each	\$	260.00	\$	-	yes
Replacement MW Install. 25ft	0	/each	\$	550.00	\$	-	yes
					\$	-	
					\$		
					\$	-	
					\$		
					\$	-	
					\$	-	
					\$		
				<del></del>	\$		
		·			\$	<del></del>	
		·	Su	btotal Pag	ge I-1	Ĺ	\$ 120,663.71

## 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	0.00	\$	0.10	/each	\$	-
Mileage for CW3M trips	11,400.00	\$	0.37	/each	\$	4,218.00
Per Diem	0.00	\$	36.00	/day	\$	-
					\$	_
					\$	_
Total Other					\$	4,218.00

\*Number of Trips

57 trips at

150 miles per trip for field crew

19 trips at

150 miles per trip for Environmental Engineer

TOTAL OTHER COSTS = \$ \$

\$ 4,218.00

Total (Pages I-1 and I-2) \$ 124,881.71

I-2(4)

## J. HANDLING CHARGES

#### BACKFILL

Handling charges are eligible for payment on subcontractor billings and/or field purchases only if they 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 Amount
Sand Backfill	I-1(4)	\$ 31,569.45
Aggregate Backfill	I-1(4)	\$ 3,894.26
Septic Gravel Backfill	I-1(4)	\$ -
Concrete	I-1(4)	\$ -
Disposal Charge	I-1(4)	\$ -
Trackhoe	I-1(4)	\$ -
Backhoe	I-1(4)	\$ 22,800.00
Trucking Charge (10 c.y.)	I-1(4)	\$ 62,400.00
End Loader	I-1(4)	\$ -
Trucking Charge (15 c.y.)	I-1(4)	\$ -
Baker Tank	I-1(4)	\$ -
Electrician	I-1(4)	\$ -
Electrician Mileage	I-1(4)	\$ -
Plumber/Inspector	I-1(4)	\$ -
Plumber Mileage	I-1(4)	\$ -
Drill Rig Mobilization	I-1(4)	\$ -
Replacement MW Install. 25ft	I-1(4)	\$ -
		-
		<u> </u>
	Subtotal J-1 Subtotal:	: \$120,663.71

Handling Charge 'See Handling Charge Total

#### BACKFILL

B. Field Purchase

Field Purchase		Field Purchase Amount			
Color Copies	\$	-			
Carbon Filter Purchase	\$	-			
Manifests	\$	-			
Truck Liner	\$	-			
Bailers	. \$	_			
Film	\$				
Photo Development & Copies	\$	<del>-</del> .			
	\$	_			
Postage	\$	<u></u>			
Drums	\$	-			
		<del></del>			
		e			
	,	· · · · · · · · · · · · · · · · · · ·			
		. 1			
Annual Company of the					
10.1.	La I Dania I O C	· · · · · · · · · · · · · · · · · · ·			
Subtotal of Pages	tal Page J-2: \$	0,663.71			

<sup>\*</sup> Use chart at top of Page J-1 to calculate the allowable handling charge. Copies of invoices for subcontractor costs and receipts for field purchases are required for billing submissions J-2(4)

IEMA No.	00-0692
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# G. PERSONNEL

## REIMBURSEMENT PREPARATION

All personnel costs that are not included els be listed per task, not personnel type. The f plan, report, or budget preparation for Re	ollowi imb	ng are some e (i.e., site cla	examples of essification	tasks: Drafting, data work plan, 45 day re	collection, port, or high
priority corrective action budget), sampling corrective action, or early action), of mainte possible tasks.	, field nance	Sorento Ga	The above	(i.e., drilling/well in list is not inclusive o	stallation, f all
Environmental Engineer	4.25	hours x \$	105.00	per hour = \$	446.25
(Title)					
Task to be performed for the above hours:		Reimbursem	ent claim p	reparation	
Senior Env. Engineer	3.25	hours x \$	115.00	per hour = \$	373.75
(Title)					
Task to be performed for the above hours:		Reimbursem	ent claim p	reparation	·
Senior Env. Geologist	21.50	hours x \$	92.00	per hour = \$	1,978.00
(Title)		•			
Task to be performed for the above hours:		Reimbursem	ent claim p	reparation	
General Project Manager	16.50	hours x \$	100.00	per hour = \$	1,650.00
(Title)		· —	<del></del>		
Task to be performed for the above hours:		Reimbursem	ent claim p	reparation	
Env. Project Geologist	0.00	hours x \$	81.00	per hour = \$	· ·
(Title)		· —			
Task to be performed for the above hours:		Reimbursem	ent claim p	reparation	
Env. Project Scientist	0.00	hours x \$	81.00	per hour = \$	
(Title)		· · · · · · · · · · · · · · · · · · ·	-	· · · · · · · · · · · · · · · · · · ·	
Task to be performed for the above hours:		Reimbursem	ent claim p	reparation	
Engineering Technican	0.00	hours x \$	55.00	per hour = \$	<b>-</b> .
(Title)		·			
Task to be performed for the above hours:	-	Reimbursem	ent claim p	reparation	· · · · · · · · · · · · · · · · · · ·
Laborer	0.00	hours x \$	40.00	per hour = \$	
(Title)		G-1(5)			

This form must be submitted in duplicate.

Technical Editor	0.00	hours x \$	55.00	IEMA No per hour = \$	00-0692
(Title)				•	
Task to be performed for the above hours:		Reimburseme	nt claim p	preparation	
Draftsman	0.00	hours x \$	65.00	per hour = \$	_
(Title)	0.00			p 0.2 1.10 0.2	
Task to be performed for the above hours:		Reimburseme	nt claim p	preparation	
Technical Coordinator	0.00	hours x \$	65.00	per hour = \$	~ <u>.</u>
(Title)		·			
Task to be performed for the above hours:		Reimburseme	nt claim p	preparation	
Administrative Assistant	32.00	hours x \$	45.00	per hour = \$	1,440.00
(Title)					
Task to be performed for the above hours:		Reimburseme	nt claim p	preparation	.,
Office Manager	0.00	hours x \$	40.00	per hour = \$	_
(Title)					
Task to be performed for the above hours:		Reimburseme	nt claim p	preparation	····
Principal	2.00	hours x \$	130.00	per hour = \$	260.0
(Title)					
Task to be performed for the above hours:		Reimburseme	nt claim p	reparation	
Field Supervisor/Coordinator	0.00	hours x \$	110.00	per hour = \$	
(Title)	: 				,
Task to be performed for the above hours:		Reimburseme	nt claim p	preparation	
Wastewater Trtmt. Operator	. 0.00	hours x \$	100.00	per hour = \$	-
(Title)					
Task to be performed for the above hours:		Reimburseme	nt claim p	preparation	
(Title)	0.00	hours x \$		per hour = \$	
Task to be performed for the above hours:					·
OTAL PERSONNEL COSTS: \$	· · · · · · · · · · · · · · · · · · ·	6,148.00			

This form must be submitted in duplicate.

## I. FIELD PURCHASES AND OTHER COSTS REIMBURSEMENT

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

							Handling
Field Purchases	Quantity	Item					Charges
Color Copies	0		\$	1.25	\$		yes
Carbon Filter Purchase	0		\$	600.00	\$		yes
Manifests	0		\$	1.00	\$		yes
Truck Liner	0		\$	4.00	\$	<del></del>	yes
Bailers	0	/each	\$	12.00	\$		yes
Film	0	/each	\$	6.00	\$		yes
Photo Development & Copies	0	/each,	\$	15.00	\$	<del>-</del>	yes
					\$		yes
Postage					\$	27.39	yes
Drums	0	/each	\$	50.00	\$		yes
		·		,	\$		
					l 		
		<del>" </del>					
			<del>                                     </del>				
·							
				<del></del>		<del>,</del>	
			+			<del></del>	
The state of the s							·
		<del></del>	-			<del></del> -	
			4				
						·	
			Sul	ototal Pa	ge I	-1	\$ 27.39

IEMA No. <u>00-0692</u>

#### REIMBURSEMENT

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

Other Costs	No.	Ra	te		Co	st
Copies	2,140.00	\$	0.10	/each	\$	214.00
Mileage for CW3M trips	0.00	\$	0.37	/each	\$	-
Per Diem	0.00	\$	36.00	/day	\$	_:
		,			\$	
					\$	-
Total Other					\$	214.00

TOTAL OTHER COSTS = \$

214.00

Total (Pages I-1 and I-2) \$ 241.39

## J. HANDLING CHARGES

## REIMBURSEMENT

Handling charges are eligible for payment on subcontractor billings and/or field purchases only if they 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		
Concrete		
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:	\$ -

#### REIMBURSEMENT

B. Field Purchase

Field Purchase	Field Purchase Amount
Color Copies	\$ -
Carbon Filter Purchase	\$ -
Manifests	\$ -
Truck Liner	\$ -
Bailers	\$ -
Film	\$ -
Photo Development & Copies	\$ -
	\$ -
Postage	\$ 27.39
Drums	\$ -
	· · · · · · · · · · · · · · · · · · ·
	·
· · ·	
Subtotal Page J-2	.: \$ 27.39
Subtotal of Pages I 1 and I	-2: \$ 27.39
Subtotal of Pages J-1 and J Handling Charg	e *: See Handling Charge T

<sup>\*</sup> Use chart at top of Page J-1 to calculate the allowable handling charge. Copies of invoices for subcontractor costs and receipts for field purchases are required for billing submissions J-2(5)

IEMA No. 00-0692

	•						ì.
VESTIG	ATION COSTS		BIOREM	IEDIATION	PILC	T STUDY	
Method I	Method II		Method III		Not A	Applicable	X
Borings w disposal o	Costs - This includes the hich are to be complete f cuttings should not be ducted (I.e., classification	d as monitor e included he	ring wells si ere. An ind	hould be listed ication must be	here. made	Costs associa	ated with
	borings to 10	feet =		feet to be bore	ed for	investigatio	n/monito
	borings to 12	feet =		feet to be bore	ed for	Injection we	ells - 12 foc
· .	borings to	_ feet =		feet to be bore	ed for		····
	borings to	feet =		feet to be bore	ed for		•
	_ borings to	feet =		feet to be bore	d for		
			Total Feet t	o be Bored:	_	· · · · · · · · · · · · · · · · · · ·	<del>-</del>
	Borings:	feet x	20	per foot =\$	· · · · · · · · · · · · · · · · · · ·	0.00	_(or)
	Hours	_ × \$		per hour =	\$		
	_ borings through		ft of bed	lrock =		Ft bedrock	to be bored
	_ borings through		ft of bed	lrock =		_Ft bedrock	to be bored
		•	Total Feet l	pedrock to be Bo	ored:		· .
Borings:	Ft bed	rock x \$		per ft bedroc	k = \$		_(or)
	Hours x \$	per Ho	ur = \$			<u>.</u>	
	# of Mobil	izations @ \$	260	per mobilizatio	n = \$	0.00	<u>)</u>
		÷					
Other Cos				Number of U	Inits	Unit Cost	Total Co
see attache	ed "Other" sheet						
Well Closu	180			0 /-		\$ 350.00	•
I METT CTOST	71 C			0 /e	acii	Ta 220.00	ĮΨ

E.

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

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

Material	Number of Units	Unit Cost	Total Cost
15-foot Injection wells			
10-foot, 4" PVC screen		\$ 200.00	\$0.00
5-foot, 4" PVC riser pipe		\$ 125.00	\$0.00
Misc. PVC connectors, O-rings, etc.		\$ 25.00	\$0.00
4" bottom caps		\$ 40.00	\$0.00
4" Expandable locking caps		\$ 60.00	\$0.00
Flush mount manway		\$ 105.00	\$0.00
Pea gravel filter pack (4 bags per well)		\$ 30.00	\$0.00
Bentonite chips (annular seal)		\$ 35.00	\$0.00
Concrete (surface seal)	·	\$ 30.00	\$0.00
15-foot injection well with 10-foot well			
screen, PVC riser, flush mount manway, filte	er		
pack, annular seal, and surface seal		Total	\$0.00

<b>1</b> .	Dispos	al Costs -	This inclu	des the costs	for dispo	sing of bo	ring cutting	gs and any	water	generated	while
	perform	ning borin	gs or insta	ıllatin wells.		•					
				_			_	_			

Disposal of Cuttings:	arums x \$	65	per arum =	Ф	0.00	
Disposal of Water:	gallons x \$	2	per gallon =	\$	0.00	
Transportation Costs:	\$ 0.00					
Describe how the water/	soil will be disposed:					
			*****			

TOTAL INVESTIGATION COSTS	\$0.00

# F. ANALYSIS COSTS

# BIOREMEDIATION

Moisture Content sai	mples x \$		per sample =	\$	0
_Soil Classification sai	mples x \$		per sample =	\$	0
Indicate met	thod to be performe	ed:	·		
Soil Particle Size sam	iples x \$		per sample =	\$	0
Ex-situ Hydraulic Co	onductivity/Permea	ability sar	nples		
	× \$		per sample =	\$	0
Indicate met	thod to be performe	ed:			
Rock Hydraulic Con	ductivity/Permeab	ility samp	oles		
	x \$	· · · · · · · · · · · · · · · · · · ·	per sample =	\$	0
Natural Organic Car	bon Fraction (foc) s	amples			
			per sample =	\$	0
Indicate the ASTM o	r SW-846 method to	o be perfo	ormed:	· · · · · · · · · · · · · · · · · · ·	· .
		o be perfo	ormed:	· · · · · · · · · · · · · · · · · · ·	· .
	r SW-846 method to	o be perfo	ormed:  per sample =	\$	0
5	or SW-846 method to	o be perfo	per sample = per sample =	\$ 	0
5	or SW-846 method to samples x \$samples x \$	o be perfo	per sample = per sample = per sample =	\$ \$ \$	0 0 0
5	samples x \$samples x \$sample x \$	o be perfo	per sample = per sample = per sample = per sample =	\$ \$ \$	0 0 0
5	samples x \$samples x \$sample x \$	o be perfo	per sample =	\$ \$ \$	0 0 0
	samples x \$samples x \$sample x \$	o be perfo	per sample =	\$ \$ \$	0 0 0
s S S S S S S S S S S S S S S S S S S S	samples x \$samples x \$sample x \$	ory <i>anal</i>	per sample =	\$ \$ \$ \$	0 0 0 0

	_pH Samples x	\$		per sample = \$	0	1
	_ Paint Filter samples x	\$		per sample = \$	0	
	_TCLP @ samples x	3		per sample = \$	0	
	_ Flash Point samples x S	\$		per sample = \$	0	
	Lab and/or Field Bank	samples x		\$	per sample = \$ _	0
·····		samples x	\$		per sample = \$ _	
	0 Soil - BETX, D.O., Nut	samples x	\$	200.00	per sample = \$ _	
	0 GW - BETX, D.O., Nut	samples x	\$	180.00	per sample = \$ _	-
		samples x	\$		per sample = \$ _	0
		samples x	\$		per sample = \$ _	0
Gro	undwater Analysis Cost	s - This mus	t be	e for laboratory <u>e</u>	<i>inalysis</i> only.	
	0 BTEX PCE samples x	\$ 75.	00	per sample =	\$ -	
	0 PNA samples x	\$ 175.	00	per sample =	\$ -	
	_LUST Pollutants samp	les x		\$	per sample = \$ _	0
	_pH Samples x	}		per sample = \$	0	
	Lab and/or Field Blan	k samples x		\$	per sample = \$ _	0
	_Flash Point samples x	\$		per sample = \$	0	
	0 Total Lead	samples x	\$	20.00	Per sample = \$_	
	1 Microbial Degradation	samples x	\$	3,500.00	per sample = \$ _	3,500.00
		samples x	\$		Per sample = \$	
		samples x	\$		Per sample = \$ _	
		samples x	\$	· .	Per sample = \$ _	0
		samples x	\$		Per sample = \$ _	0

F-2(6)

IEMA No.	00-0692

## G. PERSONNEL

## BIOREMEDIATION PILOT

All personnel costs that are not included els be listed per task, not personnel type. The					
plan, report, or budget preparation for Bi					
priority corrective action budget), sampling	, field	oversite for		(i.e., drilling/well i	nstallation,
corrective action, or early action), of mainte	enance	Sorento Gi.	The above	list is not inclusive	of all
possible tasks.					
Environmental Engineer	20.00	hours x \$	105.00	per hour = \$	2,100.00
(Title)					
Task to be performed for the above hours:		Bioremediat	ion/Pilot St	ıdy Drilling/Samp	oling, Slug test
Senior Env. Engineer	4.00	hours x \$	115.00	per hour = \$	460.00
(Title)					
Task to be performed for the above hours:		Bioremediat	ion/Pilot St	ıdy Drilling/Samp	oling, Slug test
Senior Env. Geologist	0.00	hours x \$	92.00	per hour = \$	_
(Title)					
Task to be performed for the above hours:		Bioremediat	ion/PilotSt	ady Drilling/Samp	oling, Slug test
General Project Manager	0.00	hours x \$	100.00	per hour = \$	_
(Title)					
Task to be performed for the above hours:		Bioremediat	ion/Pilot St	ady Drilling/Samp	oling, Slug test
Env. Project Geologist	20.00	hours x \$	81.00	per hour = \$	1,620.00
(Title)					
Task to be performed for the above hours:	٠	Bioremediat	ion/Pilot St	ıdy Drilling/Samp	ling, Slug test
Env. Project Scientist	0.00	hours x \$ _	81.00	per hour = \$	
(Title)					
Task to be performed for the above hours:		Bioremediat	ion/Pilot St	udy Drilling/Samp	oling, Slug test
Engineering Technican	9.00	hours x \$	55.00	per hour = \$	495.00
(Title)					
Task to be performed for the above hours:		Bioremediat	ion/Pilot St	udy Drilling/Samp	oling, Slug test
Laborer	0.00	hours x \$_	40.00	per hour = \$	
(Title)	. (	G-1(6)			

			IEMA No.	00-0692
Technical Editor	0.00	hours x \$ 🐑 55.00	per hour = \$	-
(Title)				
Task to be performed for the above hours:		Bioremediation/Pilot Stu	ıdy Drilling/Sampl	ling, Slug test
Draftsman	0.00	hours x \$ 65.00	per hour = \$	-
(Title)				
Task to be performed for the above hours:		Bioremediation/Pilot Stu	ıdy Drilling/Samp	ling, Slug tes
Technical Coordinator	0.00	hours x \$ 65.00	per hour = \$	
(Title)				,
Task to be performed for the above hours:		Bioremediation/Pilot Stu	ıdy Drilling/Samp	ling, Slug test
Administrative Assistant	0.00	hours x \$ 45.00	per hour = \$	
(Title)				
Task to be performed for the above hours:		Bioremediation/Pilot Stu	ıdy Drilling/Samp	ling, Slug test
Office Manager	0.00	hours x \$ 40.00	per hour = \$	·•
(Title)		· · · · · · · · · · · · · · · · · · ·	•	<del></del>
Task to be performed for the above hours:		Bioremediation/PilotStu	ıdy Drilling/Samp	ling, Slug test
Principal	0.00	hours x \$ 130.00	per hour = \$	-
(Title)			,	······································
Task to be performed for the above hours:		Bioremediation/Pilot Stu	ıdy Drilling/Samp	ling, Slug test
Field Supervisor/Coordinator	0.00	hours x \$ 110.00	per hour = \$	<del>-</del>
(Title)		· · · · · · · · · · · · · · · · · · ·	•	
Task to be performed for the above hours:		Bioremediation/Pilot Stu	ndy Drilling/Samp	ling, Slug test
Wastewater Trtmt. Operator	0.00	hours x \$ 100.00	per hour = \$	_
(Title)	0.00	100.00	Por recorr	
Task to be performed for the above hours:		Bioremediation/Pilot Str	ıdy Drilling/Samp	ling, Slug test
	0.00	hours x \$	per hour = \$	-
(Title)	•	·	•	
(Time)				
Task to be performed for the above hours:				

G-2(6)

This form must be submitted in duplicate.

## H. EQUIPMENT COSTS

# BIOREMEDIATION PILOT

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

	Own or			77 11 70 4	Total
Equipment	Rent	Time Used		Unit Rate	Cost/Item
Pump .	Rent	0	days	\$ 50.00	-
Water Level Indicator	Rent	1	days	\$ 21.00	21.00
Slug Rental	Rent	1	days	\$ 36.00	36.00
Water Truck	Rent	0	days	\$ 200.00	
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			Total Pag	ge H-1	\$ 57.00

#### I. FIELD PURCHASES AND OTHER COSTS BIOREMEDIATION

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		Price/Item		Charges
Color Copies		/each	\$ 1.25	\$ -	yes
Bailers		/each	\$ 12.00	\$ -	yes
Film		/each	\$ 6.00		yes
Photo Development & Copies	1		\$ 15.00		yes
Encore Samplers	0	/each	\$ 10.00	\$ -	yes
Postage			\$ -	\$ -	yes
Water Truck, Fittings, Hoses	. 0	L.S.	\$ 500.00	\$ -	yes
Drums	0		\$ 50.00	\$ -	yes
Bacteria, Nutrients, Catalyst	. 0	/C.Y.	\$ 35.00	\$ -	yes
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			Subtotal Pa	age I-1	\$ 21.0

#### **BIOREMEDIATION**

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.	Ra	te		Cos	t	
Copies	100.00	\$	0.10	/each	\$	10.00	
Mileage for CW3M trips (EE)	150.00	\$	0.37	/each	\$	55.50	*
Mileage for CW3M trips (Geo	310.00	\$	0.37	/each	\$	114.70	*
Per Diem	0.00	\$	36.00	/day	\$	-	]
					\$		]
					\$	-	]
Total Other					\$	180.20	]

\* Note: Number of trips

	· · · · · · · · · · · · · · · · · · ·
#	Description
2	Pilot Study
0	Installation and Innoculations
0	Quarterly Sampling
0	Closure
2	trips

Based on estimate of	75 150	miles each way. miles round trip.	for Environmental Engineer
1	Χ	150 =	150 miles
Based on estimate of	155 310	miles each way. miles round trip.	for Environmental Project Geologist
1	X	310 =	310 miles

TOTAL OTHER COSTS = \$

180.20

Total (Pages I-1 and I-2) \$ 201.20

#### J. HANDLING CHARGES

#### **BIOREMEDIATION**

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 \$15,001 - \$50,000 \$600 + 10% of amt. Over \$5,000

\$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
Drilling Costs	E-1(6)	\$ -
Mobilizations	E-1(6)	\$ -
Injection Well Installátion -4 inch diameter, 12 ft. depth	E-2(6)	\$ -
Well Closure	E-1(6)	\$ -
Disposal of Cuttings:	E-2(6)	\$ -
Disposal of Water (gallons)	E-2(6)	\$ -
Laboratory Analysis	F-2(6)	\$ 3,500.00
		•
*		
		-
	Subtotal J-1 Subtotal:	\$ 3,500.00

## BIOREMEDIATION

B. Field Purchase

Field Purcha	se			nase Amount
Color Copies		9		
Bailers		, 9		
Film		g		6.00
Photo Development & Copies		o i		15.00
Encore Samplers		9		
Postage		, q		
Water Truck, Fittings, Hoses		9		
Orums .		9,4		-
Bacteria, Nutrients, Catalyst	·	Q Y	5	-
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	Subto	al Page J-2 : 5	5	21.00
	Subtotal of Pag	ar I and I-2		21.00
	1 Juniolal Of Fag	== j~ 1 a11U j-4 , u	<i>υ</i>	ling Charge Total

<sup>\*</sup> 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(6)

		Ours	EPA	Difference
E	Investigation	\$ 13,725.00	\$ 13,725.00	
F	Analysis	\$ 16,265.00	\$ 16,265.00	- \$
G	Personnel	\$ 194,512.50	\$ 194,512.50	- \$
Н	Equipment	\$ 1,328.00	\$ 1,328.00	-   \$
l	Field Purchases	\$ 369,801.16	\$ 369,801.16	- \$
J	Handling Charges	\$ 389,921.56	\$ 389,921.56	\$ -

	 			· · · · · · · · · · · · · · · · · · ·	
Totals	\$ 608,330.09	\$ 60	8,330.09	\$	-

· · · · · · · · · · · · · · · · · · ·	
Investigation Costs =	\$ 13,725.00
Analysis Costs =	\$ 16,265.00
Personnel Costs=	\$ 194,512.50
Equipment Costs=	\$ 1,328.00
Field Purchases and Other Costs=	\$ 369,801.16
Handling Charges=	\$ 12,698.43
Total Project Cost =	\$ 608,330.09

Eligible for handling charge	\$ 389,921.56
From EPA sheets	\$ 389,921.56

Base 1.00 8/9/00

Subcontractor Material and Services								
Sand Backfill	\$	5.00	/+0-					
Aggregate Backfill	\$	11.25						
Septic Gravel Backfill	\$	7.75						
Concrete	\$	61.00						
UST Removal	\$	1.00						
BETX	\$	75.00						
PNA Analysis	\$	175.00						
Moisture Content	\$		/each					
LUST Appendix B	\$	900.00						
Particle Size, A.L., USCS	\$	135.00						
Total Metal	\$	20.00						
Waste Characterization (soil)	\$	400.00	· · · · · · · · · · · · · · · · · · ·					
Waste Characterization (water)	\$	375.00						
TCLP Metal	\$	85.00						
Disposal Charge, soil (bulk)	\$	20.00	<del></del>					
Disposal Charge, soil (drum)	\$	65.00						
Disposal Charge, water	\$	2.00						
Trackhoe	\$	145.00						
Backhoe	\$	95.00						
Trucking Charge (10 c.y.)	\$	65.00						
End Loader	\$	95.00						
Trucking Charge (15 c.y.)	\$							
Baker Tank		1,200.00						
Electrician	\$	40.00						
Plumber/Inspector	\$							
Drilling	\$	20.00	/foot					
Drill Rig Mobilization	\$	260.00	/trip					
MW Installation - 15 foot	\$	450.00						
MW Installation - 18 foot	\$	500.00	/each					
MW Installation - 23 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			/lump sum					
Electricity	\$		/month					
Sewer Disposal Charge	\$		/gallon					
Telephone Line Installation		150.00						
Telephone Line (autodialer)	\$		/month					
Recovery Sump Closure		1,200.00	<del></del>					
Recovery Well Closure	\$	400.00						
Monitoring Well Closure .	\$	350.00	/each					

Labor Rates		
Environmental Engineer	\$ 105.00	/hour
Senior Env. Engineer	\$ 115.00	/hour
Senior Env. Geologist	\$ 92.00	/hour
General Project Manager	\$ 100.00	/hour
Env. Project Geologist	\$ 81.00	/hour
Env. Project Scientist	\$ 81.00	/hour
Engineering Technican	\$ 55.00	/hour
Laborer	\$ 40.00	/hour
Technical Editor	\$ 55.00	/hour
Draftsman	\$ 65.00	/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
Measuring Wheel Rental	\$	15.00	/day
Copies	\$	0.10	/each
Color Copies	\$	1.25	/each
Truck Liner	\$	4.00	/each
Manifests	\$	1.00	/each
Carbon Filter Purchase	`\$	600.00	/each
Carbon Filter Disposal	\$1	,000.00	/each
Per Diem	\$	36.00	/day
PID Rental	\$	125.00	/day
Survey Equipment Rental	\$	65.00	/day
Water Level Indicator	\$	21.00	/day
Mileage	\$	0.370	/mile
Drums	\$	50.00	/each
GWTU Mobilization to Site	\$	350.00	/each
GWTU Lease	\$2	2,070.00	/mnth
GWTU Maintenance	\$	750.00	/mnth
Encore Samplers	\$	10.00	/each
Slug Rental	\$	36.00	/day

Distances		
To Landfill	20	miles 1-way
To Sand Pit	20	miles 1-way
To Septic Gravel Source	50	miles 1-way
CA6 Aggregate Source	50	miles 1-way
Engineer to Site	75	miles 1-way
Geologist to Site	155	miles 1-way
Field Coordinator to Site	1 75	miles 1-way
Engr. Tech. to Site.	75	miles 1-way
Electrician to Site	75	miles 1-way
Plumber to Site	75	miles 1-way
Wastewater Trtmt. Operator	75	miles 1-way

Quantities		
Contaminated Soil Excavation	4,102.59	c.y.
Recovery Trench Excavation	0.00	c. y.
Disposal	4,102.59	c.y.
Sand Backfill	3897.46	c.y.
Aggregate Backfill	205.13	c.y.
Septic Gravel Backfill	0.00	c.y.
Concrete	0.00	c.y.

Bio			
Microbial Pilot Study	\$3	,500.00	L.S.
Bacteria, Nutrients, Catalyst	\$	35.00	C.Y.

115	pcf
120	pcf
125	pcf
50	mph
50	mph
50	mph .
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0.5	hour
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4	each
8	hours
10	c.y.
10	c.y.
0	years
0	years
18	each
18	each
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Fittings, Hoses	\$ 500.00	L.S.
Soil - BETX, Nutrients	\$ 200.00	each
GW - BETX, Nutrients	\$ 180.00	each
Injection well installation	\$ 650.00	each
No. of injection wells	0	
No. monitoring wells	18	
Years of Operation	0	
Pump	\$ 50.00	day
Water Truck	\$ 200.00	day
	\$ 	<del></del>

Include Closure

No

Method I
Method II
Method III
Not Applicable

X

NOTE: Only 1 of these boxes should be checked.

Site Name - to fill in reports

Sorento Gar

Description/Boring Type	Depth	Footage	Cos	st
classification	50	0	\$	
investigation/migratory	15	0	\$	-
investigation/monitoring	. 15	210	\$	4,200.00
investigation	8	0	\$	-
investigation	10	50	\$	1,000.00
Total @ \$15.00/foot =			\$	5,200.00

Mobilization	No.		Ra	te	Co	st
Borings & wells -						
drill rig, eqpt. crew		4	\$	260.00	\$	1,040.00

Personnel	Hours		Rai	:e	Co	st
Environmental Engineer	29.	75	\$	105.00	\$	3,123.75
Senior Env. Engineer		0	\$	115.00	\$	-
Senior Env. Geologist	23.2	25	\$	92.00	\$	2,139.00
General Project Manager		3	\$	100.00	\$	300.00
Env. Project Geologist	49.	25	\$	81.00	\$	3,989.25
Env. Project Scientist	29	.5	\$	81.00	\$	2,389.50
Engineering Technican	9.3	25	\$	55.00	\$	508.75
Laborer		0	\$	40.00	\$	-
Technical Editor		0	\$	55.00	\$	-
Draftsman	8.2	25	\$	65.00	\$	536.25
Technical Coordinator		0	\$	65.00	\$	- '
Administrative Assistant	11	.5	\$	45.00	\$	517.50
Office Manager		3	\$	40.00	\$	120.00
Principal		0	\$	130.00	\$	-
Field Supervisor/Coordinator		0	\$	110.00	\$	-
Wastewater Trtmt. Operator		0	\$	100.00	\$	-
Subtotal: Personnel/Investigation					\$	13,624.00

Monitoring Well Installation	No.	Rate		Cost	
15 foot	14	\$	450.00	\$	6,300.00
20 foot	0	\$	500.00	\$	-
25 foot	0	\$	550.00	\$	<del>-</del>
35 foot	0	\$	600.00	\$	-
Total Monitoring Well Installation				\$	6,300.00

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

Disposal Costs	No. Rate		Rate		Cost
Disposal of Cuttings	9	\$	65.00	\$	585.00
Disposal of Water (gallons)	300	\$	2.00	\$	600.00
Total Disposal Costs				\$	1,185.00

### Investigation

Equipment	Rate			Qty.		.Cha	rges
PID Rental	\$	125.00	/day		4	\$	500.00
Water Level Indicator	\$	21.00	/.day		8	\$	168.00
Survey Equipment Rental	\$	65.00	/day		4	\$	260.00
Measuring Wheel Rental	\$	15.00	/day		5	\$	75.00
Slug Rental	\$	36.00	/day		0	\$	-
Subtotal Equipment/Inv.						\$	1,003.00

-		 
1-	FOTAL INVESTIGATION COSTS =	\$ 13,725.00

<sup>\*</sup> 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		876	\$.	0.10	\$	87.60
Mileage for CW3M trips		1,200	\$	0.37	\$	444.00
Per Diem		0	\$	36.00	\$	-
		<del> </del>				<del></del>
Total Other					\$	531.60

Other Costs/Field Purchases	No.	Ra	te	Cos	t
Color Copies	0	\$	1.25	\$	<del>-</del>
Carbon Filter Purchase	0	\$	600.00	\$	-
Manifests	0	\$	1.00	\$	-
Truck Liner	0	\$	4.00	\$	-
Bailers	14	\$	12.00	\$	168.00
Film	1	\$	6.00	\$	6.00
Photo Development & Copies	1	\$	15.00	\$	15.00
Encore Samplers	34	\$	10.00	\$	340.00
Postage				\$	35.56
Drums	9	\$	50.00	\$	450.00
Total Field Purchases				\$	1,014.56

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

Soil Analysis Costs			
Туре	No.	Rate	Cost
BETX	17	\$ 75.00	\$ 1,275.00
PNA	0	\$ 175.00	\$ -
Total Lead	17	\$ 20.00	\$ 340.00
LUST Appendix B	0	\$ 900.00	\$ -
Waste Char.	1	\$ 400.00	\$ 400.00
рН	0	\$ 10.00	\$ -
TACO Parameters	0	\$ 100.00	\$ -
TCLP Barium	0	\$ 85.00	\$ -
TCLP Lead	17	\$ 85.00	\$ 1,445.00
SUBTOTAL: SOIL ANALYSIS	COSTS =		\$ 3,460.00

Groundwater Analysis Costs			
Type	No.	Rate	Cost
BETX	14	\$ 75.00	\$ 1,050.00
PNA	. 0	\$ 175.00	\$ -
Total Lead	14	\$ 20.00	\$ 280.00
Total Barium	0	\$ 20.00	\$ -
Waste Char.	1	\$ 375.00	\$ 375.00
SUBTOTAL: GW ANALYSIS	COSTS =		\$ 1,705.00

	,		
ITOTAL ANALYSIS COSTS		E 40E 00 1*	
THULAL ANALYSIS CUSTS		5.165.00 <b>I</b> *	
11017127110121010	Ψ.	0,100.00	

<sup>\*</sup>This amount transfers to the Total Analysis Cost on F-2 of budget forms.

Excavation			
Contaminated Soil Excavation	4,102.59		с.у.
Recovery Trench Excavation	0.00		c.y.
Excavation Truck Loads	530.77		each
Landfill Travel Time	1.3		hours
Landfill Trips/Day	6.00		each
Excavation Truck	88.46	89	days
Excavation (based on trucking)	. 22.12	23	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	22.12	23	days
Backhoe Days	45.96	46	days
Backfill			
Septic Gravel Volume	0.00	-	c.y.
Septic Gravel Truck Loads	0.00		each
Septic Gravel Travel Time	2.5		hours
Septic Gravel Trips/Day	3.00		each
Septic Gravel Truck	0.00	. 0	days
Septic Gravel Days	0.00	0	days
Backfill CA-6 Aggregate	205.13		c.y.
Backfill Aggregate Truck Loads	23.08		each
Backfill Aggregate Travel Time	2.5	•	hours
Backfill Aggregate Trips/Day	3.00		each
Backfill Aggregate Truck	7.69	8	days
Backfill Aggregate Days	1.92	2	days
Backfill Sand	3897.46		c.y.
Backfill Sand Truck Loads	526.16		each
Backfill Sand Travel Time	1.3		hours
Backfill Sand Trips/Day	6.00		each
Backfill Sand Truck	87.69	88	days
Backfill Sand Days	21.92	22	days
Backfill Truck-Days	23.85	24	days
CW3M Days			
Site Preparation	1		days
Excavation	22.12	23	days
Backfill	23.85	24	days
Site Restoration			days
Total CW3M in Field	47.96	48	days

Contaminate	d Soil Exc	avation Vol	ume		
Δ	rea	Depth	Volume	Volume	
(:	sq. ft.)	(ft.)	(cu. ft.)	(c.y.)	
	10,070.00	10	100,700.00	3,729.63	
	0.00	. 0	0.00	0.00	
			Subtotal =	3,729.63	c.y.
		Subto	otal w/ 10%=	4,102.59	c.y.

Recovery T	rench Soil	Disposal Vo				
Length	Width	Depth	Volume	Volume		·
(ft.)	(ft.)	(ft.)	(cu. ft.)	(c.y.)		
0	0	0	0.00	0.00		
0	0	0	0.00	0.00		
	0		Subtotal =	0.00	c.y.	
		Subtotal w/10%=		0.00	c.y.	

Total Disposal Volume = 3729.63 c.y.
Total Disposal Volume w/ 10%= 4102.59 c.y.

Septic Gra					
	Area	Depth	)	Volume	Volume
	(sg. ft.)	(ft.)		(cu. ft.)	(c.y.)
		0	-0.5	0.00	0.00
				with 10%=	0.00

Conc	rete for GWTU T	railer Pad					
	Area	Depth	Volume		Volume		
	(sq. ft.)	(ft.)	(cu. ft.)		(c.y.)		
	0	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.)	
-	10,070.00	(	0.5	5035	186.48	c.y.
				with 10%=	205.13	

Backfill Sa	nd for Exca	vation Area			
	Area	Depth	Volume	Volume	
	(sq. ft.)	(ft.)	(cu. ft.)	(c.y.)	
	10,070.00	9.5	95665	3543.15	c.y.
			with 10%=	3897.46	

Bio-remediation volume							
	Area	Depth		Volume		Volume	
	(sq. ft.)	(ft.)		(cu. ft.)		(c.y.)	
	0.00		20		0	0	c.y.

# Excavation Activities

Analysis	Ra	te		Qty.		Cha	rges
BETX Analysis, Soil	\$	75.00	/each		21	\$	1,575.00
PNA Analysis, Soil	\$	175.00	/each			\$	-
TCLP Lead	\$	, 85.00	/each	-	21	\$	1,785.00
Total Lead	\$	20.00	/each		21	\$	420.00
Waste Characteristics, Soil	\$	400.00	/each		1	\$	400.00
Subtotal: Analysis/Excavation			•			\$	4,180.00

CW3M Personnel	Rat	:e		Qty.	Cha	rges
Environmental Engineer	\$	105.00	/hour	288.00	\$	30,240.00
Senior Env. Engineer	\$	115.00	/hour	ŀ	\$	-
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	288.00	\$	15,840.00
Laborer	\$	40.00	/hour _		\$	-
Technical Editor	\$	55.00	/hour		\$	_
Draftsman	\$	65.00	/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	288.00	\$	31,680.00
Wastewater Trtmt. Operator	\$	100.00	/hour		\$	_
Construction Foreman	\$	65.00	/hour		\$	
Subtotal: Personnel/Excavation					\$	77,760.00

Equipment	Rat	te		Qty.	Charges	
PID Rental	\$	125.00	/day	0	\$	-
Subtotal Equipment/Exc.					\$	•

Subcontractor Costs	Ra	te		Qty.	Ch	arges
UST Removal	\$	1.00	/gal.			
Building Demolition	\$ 8	8,000.00	L.S.	0.00	\$	-
Asbestos Inspection	\$.	900.00	/each	0.00	\$	•
Sand Backfill	\$	5.00	/ton			
Aggregate Backfill	\$	11.25	/ton			
Septic Gravel Backfill	\$	7.75	/ton			
Concrete	\$	61.00	/c.y.			
Disposal Charge	\$	20.00	/ton	6,369.28	\$	127,385.50
Trackhoe	\$	145.00	/hour	230.00	\$	33,350.00
Backhoe	\$	95.00	/hour	230.00	\$	21,850.00
Trucking Charge (10 c.y.)	\$	65.00	/hour	~ 712.00	\$	46,280.00
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	\$	0.37	/mile		
Plumber/Inspector	\$	45.00	/hour		
Plumber Mileage	\$	0.37	/mile		
Subtotal Subcontractor/Exc.				\$	228,865.50

Excavation Cost =		\$ 55,200.00  *	
Transportation Cost =	· ·	\$ 46,280.00  *	
Disposal Cost =		\$ 127,385.50  *	
* These costs transfer to the Ex	cavation, Transportation and I	Disposal Costs on Page L-1	

Other Costs	Rate	9		Qty.	Cha	rge
Copies	\$	0.10	/each		\$	-
Mileage for CW3M trips	. \$	0.37	/each	10,800	\$	3,996.00
Per Diem	\$	36.00	/day		\$	_
					\$	-
. ,					\$	_
Subtotal Other/Exc.		1			\$	3,996.00

Other Costs/Field Purchases				
Color Copies	\$ 1.25	/each		\$ -
Carbon Filter Purchase	\$ 600.00	/each		\$ 
Manifests	\$ 1.00	/each	530.00	\$ 530.00
Truck Liner	\$ 4.00	/each	530.00	\$ 2,120.00
Bailers	\$ 12.00	/each		\$ -
Film	\$ 6.00	/each	1	\$ 6.00
Photo Development & Copies	\$ 15.00	/each	1	\$ 15.00
Encore Samplers	\$ 10.00	/each	42	\$ 420.00
Postage				
Drums	\$ 50.00	/each		\$ 
Subtotal Field Purchases/Exc.				\$ 3,091.00

Total Field, Other, Subcontractor/Exc.		\$ 235,952.50
Amount to Apply Handling Charge		\$ 236,136.50

### Backfill Activities

CW3M Personnel	Rat	ate Qty.		Qty.	Charges		
Environmental Engineer	\$	105.00	/hour	225.00		23,625.00	
Senior Env. Engineer	\$	115.00	/hour		\$	-	
Senior Env. Geologist	\$	92.00	/hour		\$	-	
General Project Manager	\$	100.00	/hour	•	\$	-	
Env. Project Geologist	\$	81.00	/hour		\$	-	
Env. Project Scientist	\$	81.00	/hour		\$	-	
Engineering Technican	\$.	55.00	/hour	225.00	\$	12,375.00	
Laborer	\$	40.00	/hour	225.00	\$	9,000.00	
Technical Editor	\$	55.00	/hour		\$	-	
Draftsman	\$	65.00	/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	225.00	\$	24,750.00	
Wastewater Trtmt. Operator	\$	100.00	/hour	1	\$	-	
Construction Foreman	\$.	65.00	/hour		\$	-	
Subtotal:Personnel/Backfill					\$	69,750.00	

Equipment	Rate	Qty.	Charges
Subtotal Equipment/Exc.			

Subcontractor Costs	Ra	te		Qty.	Ch	arges
Sand Backfill	\$	5.00	/ton	6313.89	\$	31,569.45
Aggregate Backfill	\$	11.25	/ton	346.16	\$	3,894.26
Septic Gravel Backfill	\$	. 7.75	/ton	0	\$	-
Concrete for Trailer Pad	\$	61.00	/c.y.	0.00	\$	· <b>-</b>
Disposal Charge	\$	20.00	/ton		\$	-
Trackhoe	\$	145.00	/hour		\$	-
Backhoe	\$	95.00	/hour	240.00	\$	22,800.00
Trucking Charge (10 c.y.)	\$	65.00	/hour	960.00	\$	62,400.00
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	\$	0.37	/mile		\$	-
Plumber/Inspector	\$	45.00	/hour		\$	-
Plumber Mileage	\$	0.37	/mile		\$	-
Subtotal:Subcontractor/Back					\$	120,663.71

Total Bàckfill Costs =				\$ 190,413.71	*
* This is the backfill cost on Pag	eL-2 of the IEP/	A budget form	n.		

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

# Backfill

Mileage for CW3M Trips	\$ 0.37	/mile	11,400.00	\$ 4,218.00
Per Diem	\$ 36.00	/day		\$ 
				\$ -
				\$ -
Subtotal Other/Backfill				\$ 4,218.00

Other Costs/Field Purchases	Rat	е		Qty.	Charge	
Color Copies	\$	1.25	/each		\$	-
Carbon Filter Purchase	\$	600.00	/each		\$	-
Manifests	\$	1.00	/each		\$	-
Truck Liner	\$	4.00	/load		\$	-
Bailers	\$	12.00	/each		\$	-
Film	\$	6.00	/each	0	\$	-
Photo Development & Copies	\$	15.00	/each	0	\$	-
					\$	-
Postage						
Drums	\$	50.00	/each	· ·	\$	-
Subtotal Fld Purchases/Back					\$	-

Total Field, Other, Subcontractor/Backfill	\$ 124,881.71
Amount to Apply Handling Charge	\$ 120,663.71

No. of Monitoring Wells =

18

Years of Operation

Factor

. Tours or operation		J		1 dotoi								
				Annual GV	/ Mo	onitoring	Varia	ble (	Operating	g Cos	ts	
				& Operating Costs			Replace MWs			Qtrs. 1-2		
Analysis	Rat	:e		Qty.	Ch	arges	Qty.	Cha	rges	Qty.	Cha	arges
BETX Analysis, Plant	\$	75.00	/each		\$	_	0	\$	-	0	\$	_
PNA Analysis, Plant	\$	175.00	/each		\$	-	0	\$		0	\$	-
Total Lead, Plant	\$	20.00	/each				0	\$	-	0	\$	-
Total Barium, Plant	\$	20.00	/each				0	\$	-	0	\$	-
BETX Analysis, Groundwater	\$	75.00	/each	0	\$	-		\$	-	36	\$	2,700.00
PNA Analysis, Groundwater	\$	175.00	/each	0	\$	-		\$	<u>-</u>		\$	
Total Lead, Groundwater	\$	20.00	/each	. 0	\$	-				36	\$	720.00
Total Barium, Groundwater	\$	20.00	/each	0	\$	-		_				
Subtotal: Analysis/Monitoring					\$	_		\$	-		\$	3,420.00

Subtotal Year 1 Analysis Costs=

\$ 3,420.00 (Total = Variable + Annual Costs)

CW3M Personnel	Rat	e		Qty.	Char	ges	Qty.	Ch	arges	Qty.	Cha	arges
Environmental Engineer	\$	105.00	/hour		\$	-	12	\$	1,260.00	20	\$	2,100.00
Senior Env. Engineer	\$	115.00	/hour		\$	-		\$			S	-
Senior Env. Geologist	\$	92.00	/hour		\$	-	2	\$	184.00	2	\$	184.00
General Project Manager	\$	100.00	/hour		\$	-		\$	-		\$	-
Env. Project Geologist	\$	81.00	/hour		\$	-	12	\$	972.00	20	\$	1,620.00
Env. Project Scientist	\$	81.00	/hour		\$	-		\$	-		\$	-
Engineering Technican	\$	55.00	/hour		\$			\$	-		\$	-
Laborer	\$	40.00	/hour		\$	-		\$	, -		\$	_
Technical Editor	\$	55.00	/hour		\$	-		\$	-		\$	-
Draftsman	\$	65.00	/hour		\$	-,		\$	-		\$	-
Office/Technical Coordinator	\$	65.00	/hour		\$	-		\$	-		\$	-
Administrative Assistant	.\$	45.00	/hour	`	\$	-		\$	-	2	63	90.00
Office Manager	\$	40.00	/hour		\$	-		\$	-		\$	-
Principal	\$	130.00	/hour		\$	-		\$			\$	_
Field Supervisor/Coordinator	\$	110.00	/hour		\$	-		\$	<del>-</del>		\$	-
Wastewater Trtmt. Operator	\$	100.00	/hour		\$	-		\$	-		\$	-
Subtotal Monitoring					\$	-		\$	2,416.00		\$	3,994.00

Subtotal Year 1 CW3M Personnel Costs=

\$ 6,410.00 (Total = Variable + Annual Costs)

Equipment	Ra	te		Qty.	Charg	jes	Qty.	Charges	Qty.	Charges
Plant Lease	\$ :	2,070.00	/mo.				0	\$0.00	0	\$0.00
PID Rental	\$	125.00	/day		18		1	\$125.00	0	\$0.00
Survey Equipment Rental	\$	65.00	/day				1	\$65.00	0	\$0.00
Water Level Indicator	\$	21.00	/day				1	\$21.00	2	\$42.00
Measuring Wheel Rental	\$	15.00	/day				1	\$15.00	0	\$0.00
Subtotal Equip/Monitoring			T .		\$	-		\$226.00		\$42.00

Subtotal Year 1 Equipment Costs=

\$ 268.00 (Total = Variable + Annual Costs)

	7					
10.1	10-4-	104.	Ch	O+	10	(Qtv.(Charges (
Subcontractor Charges	l Rate	l (Qtv.	Charges	lOtv.	ICharges -	LUIVIE DARGES L
Cabcontractor Orlardes	Irtato	1 (4,17)	J O Hai GOS	CXLY.	10Haligos	1 Strain Goo
		<u> </u>				

Carbon Filter Disposal	\$	1,000.00	/each	0	\$ -		\$ -	\$	-
Electricity	\$	200.00	/mo.	0	\$ -		\$ -	\$	_
Telephone Line (autodialer)	\$	30.00	/mo.	0	\$ -		\$ -		
Drilling (15 ft. wells)	\$	20.00	/ft.	0		105	\$ 2,100.00		
MW Installation (replacement)	\$	450.00	/ea.	0		7	\$ 3,150.00		
Drill Rig Mobilization	\$	260.00	/ea.	0		1	\$ 260.00		
Sewer Disposal Charge	\$	0.001	/gal.	0	\$ -		\$ 	\$	_
Subtotal Subcontractors/Monit	orir	ıg			\$ -		\$ 5,510.00	\$	-

Subtotal Year 1 Subcontractor Costs=

\$ 5,510.00 (Total = Variable + Annual Costs)

Other Costs	Rate	9		Qty.	Ch	arges
Copies	\$	0.10	/each	150	\$	15.00
Mileage for CW3M Trips	\$	0.37	/mile	1380	\$	510.60
Per Diem	\$	36.00	/day		\$	-
A CONTRACTOR OF THE PROPERTY O					\$	-
Maintenance Cost	\$	750.00	/mont	0	\$	-
Subtotal Year 1 Other/Monitor	ing				\$	525.60

Other Costs/Field Purch.	Rate	3		Qty.	Ch	arges
Color Copies	\$	1.25	/each		\$	-
Carbon Filter Purchase	\$	600.00	/each	. 0	\$	-
Manifests	\$	1.00	/each		\$	-
Truck Liner	\$	4.00	/each		\$	-
Bailers	\$	12.00	/each	54	\$	648.00
Film	\$	6.00	/each	1	\$	6.00
Photo Development & Copies	\$	15,00	/each	1	\$	15.00
Survey Equipment Rental	\$	65.00	/day		\$	-
Postage					\$	20.00
Drums	\$	50.00	/each		\$	-
Subtotal Year 1 Field/Monitoring	ıg				\$	689.00

Total Year 1 Costs =

\$16,822.60

Total Field, Other, Subcontactor/Monitoring	Year	1	\$ 6,724.60
Amount to Apply Handling Charge			\$ 9,619.00

## Bioremediation

						1	· · · · · ·	1	1 1 22 1	101		les				·
Number of Monitoring Wells:			# of Years:	<del> </del>	0		-l	Dil t Ot a	Initial	Subsequent		Remaining	Quarterly	Closure	Closure	
Number of Injection Wells:		0	<del></del>					Pilot Study	innoculation	Innoculations				Sampling	Reporting	Total
Description			Dete	Car		<del> </del>	ļ				(3 trips)	-1	-1			
Personnel	Hours		Rate	Cos		-	+				<u> </u>	ļ				
Environmental Engineer		20	\$ 105.00	1 0	2,100.00	ļ	1	20								20
Senior Env. Engineer	ļ		\$ 115.00	\$	460.00		-	4					<u> </u>	ļ		4
Senior Env. Geologist		0	\$ 92.00	\$		ļ	-						ļ			0
General Project Manager	·	0	\$ 100.00		<del>.</del>		1								ļ	0
Env. Project Geologist		20	\$ 81.00		1,620.00	<b></b>		20			ļ		ļ		[	20
Env. Project Scientist		0	\$ 81.00		-	<b></b>										0
Engineering Technican	·	9	\$ 55.00	\$	495.00			9								9
Laborer		0	\$ 40.00	\$	-											0
Technical Editor		0		\$			1	-								0
Draftsman		0	\$ 65.00		-	<u> </u>				·						0
Technical Coordinator		0			-	1										. 0
Administrative Assistant		0	\$ 45.00	\$	-											0
Office Manager		0	\$ 40.00		-											. 0
Principal				\$	-	1	1		1			1				0
Field Supervisor/Coordinator		0			<del>-</del>	1	1		<del></del>			1	<del>                                     </del>	l		0
Wastewater Trtmt. Operator		0	\$ 100.00	\$			<b>-</b>		<u> </u>			·	1	· ·		0
Subtotal: Personnel/Investigation	l		Ψ 100.00	\$	4,675.00	<del></del>			-		<del> </del>	-	+		<u> </u>	
Gubiolai. Tersormentivestigation	1			ΙΨ.	4,070.00	<del>                                     </del>					<del></del>	<del> </del>	<del> </del>			
	<del> </del>			<del> </del>		ļ	-				<del> </del>	<del>                                     </del>		<del> </del>		
				<del> </del>			+		l		<u> </u>		<del>                                     </del>	<del> </del>		
1 -1	No		Rate	Cos		<del>                                     </del>			ļ				<del> </del>	<u> </u>		
Laboratory	11/0				3,500.00	<del> </del>	-		ļ			ļ	ļ			1
Microbial Degradation Study		- 11	\$ 3,500.00		3,500.00		+	<u> </u>			ļ <b></b>	-	ļ	<del> </del>		
Soil - BETX, D.O., Nutrients, pH										<u> </u>	<del> </del>	<del> </del>	<del> </del>	ļ	ł	<u>0</u>
GW - BETX, D.O., Nutrients, pH		0				ļ	-	· · · · · · · · · · · · · · · · · · ·						<del> </del>		0
GW - BETX and PCE		0		13			-					ļ	ļ	ļ		, <u>U</u>
GW - PNAs		0	\$ 175.00	\$		ļ			ļ		-	<b></b>		ļ		
Soil - BETX and PCE		0			<u> </u>				ļ				ļ	ļ		<u> </u>
Soil - PNAs		0	\$ 175.00			<b></b>	ļ					<u> </u>			ļ	<u>,                                    </u>
Total =				\$	3,500.00									<u> </u>		<u>~</u>
	L		· _			1.5										l
Mobilization	No.		Rate	Cos	st				1							l
Borings & wells -												1				L
drill rig, eqpt. crew		0	\$ 260.00	\$	-			0							İ	(
									-							
Description/Boring Type	No.		Rate	Cos	st							1				
Investigation - 10 foot		0	\$ 20.00	\$	_			. 0				1				C
Injection wells - 12 foot		0		\$	-			•						-		
Well Closure		0		\$	-											C
Tolal =	<del>                                     </del>			\$	-											
Tarana	1			† <u> </u>									T			
Injection Well Installation	No.		Rate	1	Cost	T					1		1		1	
15 foot	<del>                                     </del>	0		\$		1	1	<del>                                     </del>			T	1				C
Total Injection Well Installation	<del> </del>	<u> </u>		1 \$		1	<b>-</b>		1		<del> </del>	<del>                                     </del>	1		1	
Total injection well installation				1 4		<del> </del>	+	-	<del> </del>	<u> </u>	1	1	<del>                                     </del>	1		
				+		1.	<del> </del>		<del> </del>				<del>                                     </del>	<del>                                     </del>	<b></b>	
				1			+	1				<del> </del>		1	1	
Di a la  NI-		Data		Cost	<del> </del>	+	1			<del>                                     </del>	+	<del> </del>	1		<del> </del>	
Disposal Costs	No.		Rate	-		<del> </del>	+		<del> </del>	<del> </del>	<del> </del>		<del> </del>	<b>-</b>		-
Disposal of Cuttings	<u> </u>		\$ 65.00	\$		<b> </b>	<del> </del>	<del> </del>			<del> </del>	<del> </del>	<del> </del>	<del> </del>	-	
Disposal of Water (gallons)	l	U	\$ 2.00	1 \$	<del></del>	l	<u> </u>	1	<u> </u>	L		1	J	J	1	٠

			·			
CW3M Personnel	Rai	te		Qty.	Cha	arges
Environmental Engineer	\$	105.00	/hour	22.75	\$	2,388.75
Senior Env. Engineer	\$	115.00	/hour	2	\$	230.00
Senior Env. Geologist	\$_	92.00	/hour	11.25	\$	1,035.00
General Project Manager	\$	100.00	/hour	8.5	\$	850.00
Env. Project Geologist	\$	81.00	/hour	65.5	\$	5,305.50
Env. Project Scientist	\$	81.00	/hour	0	\$	-
Engineering Technican	\$	55.00	/hour	0	\$	-
Laborer	\$	40.00	/hour	0	\$	<u>-</u>
Technical Editor	\$	55.00	/hour	5	\$	275.00
Draftsman	\$	65.00	/hour	7.5	\$	487.50
Office/Technical Coordinator	\$	65.00	/hour	0	\$	
Administrative Assistant	\$_	45.00	/hour	10.75	\$	483.75
Office Manager	\$	40.00	/hour	. 3	\$	120.00
Principal	\$	130.00	/hour	0	\$	_
Field Supervisor/Coordinator	\$	110.00	/hour	0	\$	-
Wastewater Trtmt. Operator	\$	100.00	/hour	0	\$	-
Subtotal Personnel SI/CAP					\$	11,175.50

Other SAR/CAP	Rate			Qty.	Charges	
Copies	\$	0.10	/each	1642	\$	64.20

Field SAR/CAP	Rate			Qty.		Charges	
Color Copies	\$	1.25	/each		0	\$	-
Postage						\$	29.40
Subtotal Reporting SI/CAP						\$	29.40

Quarterly Reporting						,
CW3M Personnel	Rat	e		Qty.	Cha	arges
Environmental Engineer	\$	105.00	/hour	20	\$	2,100.00
Senior Env. Engineer	\$	115.00	/hour	8	\$	920.00
Senior Env. Geologist	\$	92.00	/hour	0	\$	<u>-</u>
General Project Manager	\$	100.00	/hour	4	\$	400.00
Env. Project Geologist	\$	81.00	/hour	0	\$	
Env. Project Scientist	\$	81.00	/hour	0	\$	-
Engineering Technican	\$	55.00	/hour	0	\$	-
Laborer	\$	40.00	/hour	0	\$	-
Technical Editor	\$	55.00	/hour	0	\$	- <u>-</u>
Draftsman	\$	65.00	/hour	10	\$	650.00
Office/Technical Coordinator	\$	65.00	/hour	0	\$	-
Administrative Assistant	\$	45.00	/hour	20	\$	900.00
Office Manager	\$	40.00	/hour	0	\$	
Principal ·	\$	130.00	/hour	0	\$	-
Field Supervisor/Coordinator	\$	110.00	/hour	. 0	\$	-
Wastewater Trtmt. Operator	\$	100.00	/hour	0	\$	
Subtotal Personnel/Closure Rept.					\$	4,970.00

Other Progress Report	Rate			Qty.	Charges	
Copies	\$	0.10	/each	400	\$	40.00

Field Progress Report	Rate			Qty.	Charge	es
Color Copies	\$	1.25	/each	O	\$	-
Postage					\$	20.00
Subtotal Reporting Progress					\$	20.00

Annual Environmental Reportin	g		]			
(Four years)					·	
CW3M Personnel	Rat	.e		Qty.	Charges	
Environmental Engineer	\$	105.00	/hour		\$	_
Senior Env. Engineer	\$	115.00	/hour		\$	-
Senior Env. Geologist	\$	92.00	/hour		\$	-
General Project Manager	\$	100.00	/hour		\$	-
Env. Project Geologist	\$	81.00	/hour		\$	-
Env. Project Scientist	\$	81.00	/hour		\$	-
Engineering Technican	\$	55.00	/hour		\$	-
Laborer	\$	40.00	/hour	•	\$	-
Technical Editor	\$	55.00	/hour		\$	_
Draftsman	\$	65.00	/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		\$	-
Wastewater Trtmt. Operator	\$	100.00	/hour		\$	-
Subtotal Personnel/Environmental	Re	oorting			\$	-

Other Env. Reporting	Rate			Qty.	Charges	
Copies	\$	0.10	/each	0	\$	-

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

Reimbursement Claim						
Preparation						
CW3M Personnel	Rat	:e		Qty.	Ch	arges
Environmental Engineer	\$	105.00	/hour	4.25	\$	446.25
Senior Env. Engineer	\$	115.00	/hour	3.25	\$	373.75
Senior Env. Geologist	\$	92.00	/hour	21.5	\$	1,978.00
General Project Manager	\$	100.00	/hour	16.5	\$	1,650.00
Env. Project Geologist	\$	81.00	/hour	0	\$	-
Env. Project Scientist	\$	81.00	/hour	0	\$	_
Engineering Technican	\$	55.00	/hour	0	\$	-
Laborer	\$	40.00	/hour	0	\$	· =
Technical Editor	\$	55.00	/hour	0	\$	-
Draftsman	\$	65.00	/hour	0	\$	_
Office/Technical Coordinator	\$	65.00	/hour	0	\$	
Administrativė Assistant	\$	45.00	/hour	32	\$	1,440.00
Office Manager	\$	40.00	/hour	0	\$	
Principal	\$	130.00	/hour	2	\$	260.00
Field Supervisor/Coordinator	\$	110.00	/hour	0	\$	-
Wastewater Trtmt. Operator	\$	100.00	/hour	. 0	\$	-
Subtotal Personnel/Reimburseme	nt C	laims			\$	6,148.00

Other Reimbursement	Rate		·	Qty.	Charges	
Copies	\$	0.10	/each	2140	\$ 2	14.00

				- Name		•
Field Reimbursement	Rate			Qty.	Charg	jes .
Color Copies	\$	1.25	/each		\$	-
Postage					\$	27.39
Subtotal Reimbursement Prep.					\$	27.39

	\$	193.60
	\$	29.40
	\$	60.00
	\$	20.00
nmental Reporting	\$	-
	\$	-
	\$	241.39
	\$	27.39
	nmental Reporting	s s s s nmental Reporting s s

#### Notes:

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

# CW M Company

701 W. South Grand Avenue Springfield, IL 62704

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

**Environmental Consulting Services** 

June 2, 2004

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

RE: LPC #0050305009—Bond County

Sorento/Royer Oil Company (Sorento Garage)

Main Street

LUST Incident Number: 00-0692

LUST Technical Reports—Corrective Action Plan Budget Amendment

Revised Budget Certification

Dear Mr. Jones:

As a follow-up to the budget amendment dated May 13, 2004, enclosed, please find a revised budget certification. Following the submittal, we realized that the Professional Engineer's certification was not notarized. Accordingly, we have completed a new certification for the package.

We apologize for any inconvenience this oversight may have caused. If you have any questions or require additional information, please do not hesitate to contact Vince E. Smith, P.E. or me at (217) 522-8001. Thank you for your consideration of our request.

Sincerely

Carol L. Rowe, P.G.

Senior Environmental Geologist

Enclosure

xc:

Mr. Stephen Royer, Royer Oil Company, Inc.

Mr. Gary Wall, Sorento Garage Property Owner

Mr. William T. Sinnott, CWM Company, Inc.

D:\CW3M Projects\Royer Garage\CAPCertcl.doc

EXHIBIT ...

#### 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:

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

activities at Sorento Garage

I hereby certify that I intend to seek payment from the UST Fund for performing

hereunder. This form has been approved by the Forms Management Center.

Corrective Action

IL 532 2273

LPC 499 Rev. Mar-94

BB:jk\971405S.WPD

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: Stephen L. Royer, Royer Oil Company Title: Owner
Signature: Stylen L Down Date: 5/23/04
Subscribed and sworn to before me the 23rd day of 9aux 19aco4
(Budget Proposals and Budget Amendments must be notarized when the certification is signed.)
Seal: OFFICIAL SEAL }
(Notary Public) } WILMA L. SINNOTT }
NOTARY PUBLIC, STATE OF ILLINOIS {  MY COMMISSION EXPIRES 2-27-2006 {  MY COMMISSION EXPIRES 2-27-2006 }
P.E.: Vince E. Smith
P.E. Signature: Date: 6/2/01 BECOSTERED
Subscribed and sworn to before me the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of the day of
Subscribed and sworn to before me the day of, day of, day of, day of, day of, day of, day of, day of, day of, day of, day of, day of, day of, day of, day of, day of, day of, day of, day of, day of, day of, day of, day of, day of, day of, day of, day of
Budget 11 opposed and Budget Americanisms and or noted that who the services is signed.
Seal:
(Notary Public)
The Agency is authorized to require this information under 415 ILCS 5/1. Disclosure of this information

OFFICIAL SEAL

CAROL L. ROWE

NOTARY PUBLIC, STATE OF ILLINOIS

MY COMMISSION EXPIRES 2-26-2005



#### Illinois Environmental Protection Agency

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

ROD R. BLAGOJEVICH, GOVERNOR

RENEE CIPRIANO, DIRECTOR

217/782-6762

CERTIFIED MAIL
7002 3150 0000 1257 7400

JUN 2 4 2004

Stephen Royer 911 Railroad Street Greenville, Illinois 62246

Re: LPC # 0050305009-- Bond County Sorento/Royer Oil (Sorento Garage) Main Street LUST Incident No. 20000692 LUST Technical File

Dear Mr. Royer:

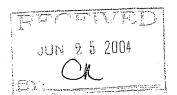
The Illinois Environmental Protection Agency (Illinois EPA) has reviewed the High Priority Corrective Action Plan Budget Amendment (budget amendment) submitted for the above-referenced incident. This budget amendment, dated May 13, 2004, was received by the Illinois EPA on May 14, 2004. Citations in this letter are from the Environmental Protection Act (Act) and 35 Illinois Administrative Code (35 Ill. Adm. Code).

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

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

The Illinois EPA previously notified the owner or operator of its final action. Further, in accordance with Section 57.7(c)(4) of the Act and 35 Ill. Adm. Code 732.503(f), the Illinois EPA's action to reject or require modification of the plan or budget, or the rejection of any plan or budget by operation of law, was subject to appeal to the Illinois Pollution Control Board within 35 days after the Illinois EPA's final action.

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.

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

If you have any questions or need further assistance, please contact the Illinois EPA project manager, Steve Jones, at 217/524-1253.

Sincerely,

Gernando A, Albarracin.

Hernando A. Albarracin

Unit Manager

Leaking Underground Storage Tank Section

Division of Remediation Management

Bureau of Land

HAA:SNRoyer Oil 20000692 CAP amend May 04.doc

Attachments: Appeal Rights

cc: CW3M Company

Division File

#### Appeal Rights

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

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

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



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

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

# BEFORE THE POLLUTION CONTROL BOARD OF THE STATE OF ILLINOIS

).	
)	
)	PCB No. 05-
)	(LUST - Ninety Day Extension)
)	
)	
	)

#### **NOTICE**

Dorothy M. Gunn, Clerk Illinois Pollution Control Board James R. Thompson Center 100 West Randolph Street Suite 11-500 Chicago, IL 60601 Carolyn S. Hesse Barnes & Thornburg Suite 4400 One North Wacker Drive Chicago, IL 60606-2809

PLEASE TAKE NOTICE that I have today filed with the office of the Clerk of the Pollution Control Board a REQUEST FOR NINETY DAY EXTENSION OF APPEAL PERIOD, copies of which are herewith served upon you.

Respectfully submitted,

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY,

Respondent

John/J. Kim

Assistant Counsel

Special Assistant Attorney General

Division of Legal Counsel

1021 North Grand Avenue, East

P.O. Box 19276

Springfield, Illinois 62794-9276

217/782-5544

217/782-9143 (TDD)

Dated: July 30, 2004

# BEFORE THE POLLUTION CONTROL BOARD OF THE STATE OF ILLINOIS

ROYER OIL (SORENTO GARAGE),	)		
Petitioner,	) .		
<b>v.</b>	)	PCB No. 05-	
ILLINOIS ENVIRONMENTAL	· )	(LUST - Ninety Day Extension	n)
PROTECTION AGENCY,	)		•
Respondent.	)		

# REQUEST FOR NINETY DAY EXTENSION OF APPEAL PERIOD

NOW COMES the Respondent, the Illinois Environmental Protection Agency ("Illinois EPA"), by one of its attorneys, John J. Kim, Assistant Counsel and Special Assistant Attorney General, and, pursuant to Section 40(a)(1) of the Illinois Environmental Protection Act (415 ILCS 5/40(a)(1)) and 35 Ill. Adm. Code 105.208, hereby requests that the Illinois Pollution Control Board ("Board") grant an extension of the thirty-five (35) day period for petitioning for a hearing to October 28, 2004, or any other date not more than a total of one hundred twenty-five (125) days from the date of service of the Illinois EPA's final decision. In support thereof, the Illinois EPA respectfully states as follows:

- 1. On June 24, 2004, the Illinois EPA issued a final decision to the Petitioner. (Exhibit A)
- 2. On July 25, 2004, the Petitioner made a written request to the Illinois EPA for an extension of time by which to file a petition for review, asking the Illinois EPA join in requesting that the Board extend the thirty-five day period for filing a petition to ninety days. The Petitioner's request included documentation that represented the final decision was received on June 25, 2004. (Exhibit B)

3. The additional time requested by the parties may eliminate the need for a hearing in this matter or, in the alternative, allow the parties to identify issues and limit the scope of any hearing that may be necessary to resolve this matter.

WHEREFORE, for the reasons stated above, the parties request that the Board, in the interest of administrative and judicial economy, grant this request for a ninety-day extension of the thirty-five day period for petitioning for a hearing.

Respectfully submitted,

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY,

Respondent

John J. Kim

Assistant Counsel

Special Assistant Attorney General

Division of Legal Counsel

1021 North Grand Avenue, East

P.O. Box 19276

Springfield, Illinois 62794-9276

217/782-5544

217/782-9143 (TDD)

Dated: July 30, 2004

min 5 to 2004



### ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

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

ROD R. BLAGOJEVICH, GOVERNOR

RENEE CIPRIANO, DIRECTOR

217/782-6762

CERTIFIED MAIL 7002 3150 0000 1257 7400

JUN 2 4 2004

Stephen Royer 911 Railroad Street Greenville, Illinois 62246

Re: LPC # 0050305009— Bond County Sorento/Royer Oil (Sorento Garage) Main Street LUST Incident No. 20000692 LUST Technical File

Dear Mr. Royer:

The Illinois Environmental Protection Agency (Illinois EPA) has reviewed the High Priority Corrective Action Plan Budget Amendment (budget amendment) submitted for the above-referenced incident. This budget amendment, dated May 13, 2004, was received by the Illinois EPA on May 14, 2004. Citations in this letter are from the Environmental Protection Act (Act) and 35 Illinois Administrative Code (35 Ill. Adm. Code).

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

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

The Illinois EPA previously notified the owner or operator of its final action. Further, in accordance with Section 57.7(c)(4) of the Act and 35 Ill. Adm. Code 732.503(f), the Illinois EPA's action to reject or require modification of the plan or budget, or the rejection of any plan or budget by operation of law, was subject to appeal to the Illinois Pollution Control Board within 35 days after the Illinois EPA's final action.

All future correspondence must be submitted to:

EXHIBIT

ROCKFORD = 4302 North Main Street, Rockford, IL 61103 = (815) S ELGIN = 595 South State, Elgin, IL 60123 = (847) 608-BUREAU OF LAND - PEORIA = 7620 N. University St., Peoria, IL 61614 = (3 SPRINGFIELD = 4500 S. Sixth Street Rd., Springfield, IL 62706 = (21 MARION = 2309 W. Main



W. Harrison St., Des Plaines, IL 60016 – (847) 294-4000 sity St., Peoria, IL 61614 – (309) 693-5463 25 South Fird Street, Champaign, IL 61820 – (217) 278-5600 09 Mall Street, Collinsville, IL 62234 – (618) 346-5120 518) 993-7200

#### Page 2

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

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

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

If you have any questions or need further assistance, please contact the Illinois EPA project manager, Steve Jones, at 217/524-1253.

Sincerely,

Hernando A. Albarracin

Unit Manager

Leaking Underground Storage Tank Section

Division of Remediation Management

Gerrando A. Albanain

Bureau of Land

HAA:SJ\Royer Oil 20000692 CAP amend May 04.doc

Attachments: Appeal Rights

cc: CW3M Company

Division File

#### Appeal Rights

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

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

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

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

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



# BARNES & THORNBURG

Carolyn S. Hesse (312) 214-8301 Email: chesse@bclaw.com Suite 4400 One North Wacker Drive Chicago, Illinois 60606-2809 U.S.A. (312) 357-1313 Fax (312) 759-5646

www.btlaw.com

July 15, 2004

### VIA FACSIMILE & FEDERAL EXPRESS

Mr. John Kim Illinois Environmental Protection Agency 1021 North Grand Avenue East Springfield, Illinois 62702 PECEIVED

Division of Legal Course

JUL 1 6 2004

Environmental Protection Agency

Re

LPC #0050305009 - Bond County

Sorento / Royer Oil (Sorento Garage)

Main Street

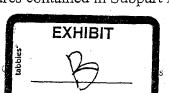
LUST Incident No. 20000692

LUST Technical File

Dear John:

On June 24, 2004, the Illinois Environmental Protection Agency issued a letter with respect to the above-referenced LUST Incident regarding the new amended High Priority Corrective Action Plan and Budget Amendment dated May 13, 2004, which was received by the Agency on May 14, 2004. The Royer Oil (Sorento Garage) is located in Sorento, Bond County, Illinois. A copy of the letter is attached. Royer Oil submitted these documents pursuant to Section 732.405(e) which states as follows:

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.



Mr. John Kim July 15, 2004 Page 2

It appears that the Agency did not review these documents in accordance with the procedures contained in Subpart E.

Royer Oil (Sorento Garage) believes that, based upon discussions with Illinois Environmental Protection Agency and for other reasons, that we will be able to resolve the issues raised in the Agency's letter. However, we believe that we will not be able to resolve these issues by the deadline for filing an appeal of these issues to the Illinois Pollution Control Board. Thus, this is a request for a 90-day extension pursuant to the Illinois Environmental Protection Act Section 40(a)(1) and 35 IAC 105.406 to allow us to continue these discussions and to try to resolve this issue.

If, for any reason, the Agency will not seek the 90-day extension, please notify me immediately so that I may file the appeals to the Board. If you have any questions or comments, please do not hesitate to contact me.

Sincerely yours,

**BARNES & THORNBURG LLP** 

Caroly SHasse

Carolyn S. Hesse

CSH/jmr

- Enclosure

William Sinnott

Carol L. Rowe

227738v1

#### CERTIFICATE OF SERVICE

I, the undersigned attorney at law, hereby certify that on July 30, 2004, I served true and correct copies of a REQUEST FOR NINETY DAY EXTENSION OF APPEAL PERIOD, by placing true and correct copies in properly sealed and addressed envelopes and by depositing said sealed envelopes in a U.S. mail drop box located within Springfield, Illinois, with sufficient First Class Mail postage affixed thereto, upon the following named persons:

Dorothy M. Gunn, Clerk Illinois Pollution Control Board James R. Thompson Center 100 West Randolph Street Suite 11-500 Chicago, IL 60601 Carolyn S. Hesse Barnes & Thornburg Suite 4400 One North Wacker Drive Chicago, IL 60606-2809

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY,

Respondent

John J. Kim
Assistant Counsel

Special Assistant Attorney General

Division of Legal Counsel

1021 North Grand Avenue, East

P.O. Box 19276

Springfield, Illinois 62794-9276

217/782-5544

217/782-9143 (TDD)

## ILLINOIS POLLUTION CONTROL BOARD

•	August 5, 2004			
ROYER OIL COMPANY (Sorrento Garage),		)		
Petitioner,		)		
<b>v.</b>		)	PCB 05-16 (UST Appeal)	
ILLINOIS ENVIRONMENTAL PROTECTION AGENCY,		) )	(90-Day Extension)	
Respondent.		)		

#### ORDER OF THE BOARD (by J.P. Novak):

On August 2, 2004, the parties timely filed a joint notice to extend the 35-day period within which Royer Oil Company may appeal a June 24, 2004 determination of the Illinois Environmental Protection Agency (Agency). See 415 ILCS 5/40(a)(1) (2002); 35 Ill. Adm. Code 105.206(c), 105.208(a), (c). Because the postmark date of the joint request is within the time for filing, the joint request was timely filed. 35 Ill. Adm. Code 101.300(b)(2), 105.404. The Agency approved corrective action costs, with modifications, for Royer Oil Company's leaking underground petroleum storage tank facility located on Main Street, in Sorrento, Bond County.

The Board extends the appeal period until October 28, 2004, as the parties request. *See* 415 ILCS 5/40(a)(1) (2002); 35 Ill. Adm. Code 105.208(a). If Royer Oil Company fails to file an appeal on or before that date, the Board will dismiss this case and close the docket.

IT IS SO ORDERED.

I, Dorothy M. Gunn, Clerk of the Illinois Pollution Control Board, certify that the Board adopted the above order on August 5, 2004, by a vote of 4-0.

Dorothy M. Gunn, Clerk

Illinois Pollution Control Board

EXHIBIT 5