



84702

REMEDIAL PROJECT MANAGER'S REPORT  
CERCLA IMMEDIATE ACTION PROJECT  
APPENDICES - VOLUME II OF IV

CONTRACT No. 68-01-6894

ASSIGNMENT No. 68-05-008

VERONA WELL FIELD  
BATTLE CREEK, MICHIGAN

JUNE 1985

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1900-55 Forms and Summary

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**TABLE 4. COST SUMMARY REPORT**  
**EPA CONTRACT NO. 68-01-6694**  
**ASSIGNMENT NO. 6894-05-008 - VERDHA WELL/BATTLE CREEK, MI**  
**January 10, 1985**

Labor	Hours worked		Rate		Extension	Total			
	Straight	Overtime	Straight	Overtime					
Response Manager	283.0	28.0	\$52.50	\$64.10	\$16,652.30				
Chemical Engineer (Level 2)	118.0	-	47.30	58.80	5,581.40				
Foreman (Level 3)	463.5	44.5	33.60	44.10	17,536.05				
Foreman (Level 2)	29.0	1.0	30.50	41.00	925.50				
Equipment Operator (Level 2)	219.5	19.5	27.80	37.80	6,839.20				
Equipment Operator (Level 1)	49.0	-	22.10	31.00	1,082.90				
Concrete Laborer (Skilled) <sup>a</sup>	56.0	2.0	23.10	31.50	1,356.60				
Mason (Concrete Finisher) <sup>a</sup>	24.0	1.0	31.50	42.00	798.00				
Pipesetter <sup>a</sup>	135.0	1.0	23.10	31.50	3,150.00				
Pipefitter <sup>a</sup>	257.0	160.0	31.50	42.00	14,815.50				
Welder (Level 2)	234.0	72.5	31.50	42.00	10,416.00				
Plumber <sup>a</sup>	16.0	-	31.50	42.00	504.00				
Iron Worker <sup>a</sup>	40.0	-	31.50	42.00	1,260.00				
Electrician (Level 2)	126.0	1.0	31.50	42.00	4,011.00				
Apprentice Electrician <sup>a</sup>	30.0	-	23.10	31.50	693.00				
Carpenter (Level 2)	148.0	3.0	23.10	31.50	3,513.30				
Mechanic (Level 2)	76.5	0.5	26.30	34.70	2,029.30				
Laborer (Level 1)	149.0	1.0	15.80	21.50	2,375.70				
Truck Driver (Level 1)	21.0	6.0	18.90	27.30	560.70				
Field Clerk/Typist (Level 1)	42.0	-	15.80	21.50	663.60	\$94,764.05			
<u>Travel and subsistence</u>									
						5,479.78			
						5,479.38			
<u>Mobilization</u>									
None									
<u>Demobilization</u>									
None									
Equipment	Time used				Rate				
	Hour	Day	Week	Month	Hour	Day	Week	Month	
Backhoe (Cat 225)	45	3			68.00	478.00	2150.00	6900.00	4,494.00
Backhoe (Case 580)	33	4			32.00	221.00	992.00	3100.00	1,940.00
Front-end ldr/wheel (1.5 yd)	20	7			47.00	331.00	1488.00	4700.00	3,257.00
Front-end ldr/wheel (3 yd)	18				47.00	331.00	1488.00	4700.00	846.00
Dump truck (10-20 yd, fix box)	12				30.00	240.00	960.00	2900.0	360.00
Pickup truck	6	3	1		9.00	58.00	231.00	735.00	459.00
Stake bed truck (2 ton)	14	13	1		16.00	80.00	440.00	1365.00	1,704.00
Stake bed truck (1 ton)		3	1		14.00	75.00	315.00	950.00	540.00
Passenger sedan		7			7.00	51.00	232.00	695.00	357.00
Elec. submersible pump (2 in)		2	2		10.00	55.00	220.00	685.00	550.00
Trash pump (2 in)	5.5	1			16.00	80.00	315.00	945.00	168.00
Air compressor capab.	8	3			16.00	95.00	375.00	1165.00	603.00
Hand tools		37	11		-	11.00	42.00	126.00	869.00
Drill rigs		1			-	446.00	2008.00	6024.00	446.00
Carbon filter (20,000 lb) <sup>a</sup>			25(1558)	19	-	-	1175.00	3525.00	85,775.00
Turf tractor <sup>a</sup>	8				21.00	-	-	-	168.00
Crane (15-ton) <sup>a</sup>	21				50.00	-	-	-	1,050.00
Crane (25-ton) <sup>a</sup>	11				60.00	-	-	-	660.00
Crane (50-ton) <sup>a</sup>	22.5				85.00	-	-	-	1,912.50
Cutting torch <sup>a</sup>	3.5	13			8.00	50.00	-	-	636.00
Portable welder <sup>a</sup>	7	9	3		14.00	90.00	440.00	-	2,228.00
Dnzer, D-4 (Caterpillar) <sup>a</sup>	16	1			40.00	295.00	-	-	935.00
Equipment truck <sup>a</sup>	2.5	11			14.00	90.00	440.00	-	958.00
Transit/level <sup>a</sup>		6			-	35.00	-	-	210.00
Lift truck (30') <sup>a</sup>	8	2			45.00	300.00	-	-	960.00
Lift truck (50') <sup>a</sup>	14	1			50.00	330.00	-	-	1,030.00
Concrete bucket (1 yd) <sup>a</sup>		2			-	35.00	-	-	70.00
Concrete vibrator <sup>a</sup>		4			-	30.00	-	-	120.00
Band saw <sup>a</sup>		2			-	20.00	-	-	40.00
Grooving machine <sup>a</sup>		5			-	45.00	200.00	-	225.00
Ladders		14	3		-	5.00	20.00	-	130.00
Side grinder <sup>a</sup>			2		-	11.00	42.00	-	84.00
Heat torch <sup>a</sup>	2				8.00	-	-	-	16.00
Welding stands <sup>a</sup>		8	3		-	15.00	60.00	-	300.00
Power threader <sup>a</sup>	1	2			-	20.00	-	-	44.00
									114,144.50

<sup>a</sup> Non-contract item.  
 (continued)

TABLE 4 (continued)

EPA CONTRACT NO. 68-01-6894  
 ASSIGNMENT NO. 6894-05-008 - VERONA WELL/BATTLE CREEK, MI  
 January 10, 1985

<u>Mileage</u>	<u>No. of miles</u>		<u>Extension</u>	<u>Total</u>
Passenger sedan	2240 @ 5.16/mile		\$ 359.40	\$ 358.40
<u>Materials - fixed rate</u>	<u>Quantity</u>	<u>Rate</u>		
Activated carbon	100,000 lb	\$1.075/lb	107,500.00	107,500.00
<u>Materials - reimbursable</u>				
Airo Steel			52.79	
			99.46	
			34.17	
Aurora Pump (Faber Pump & Equipment)			7,217.60	
Clark Oil			10.60	
			18.25	
Corlett Lumber			636.37	
F&A Fabricating			748.00	
F. D. Lawrence Electric			77.85	
			12.50	
Gallcup Pipe & Supply			4,001.05	
			227.55	
			7,870.97	
			485.96	
			584.71	
			135.78	
			2,474.63	
			4,054.61	
			283.74	
			80.48	
			1,324.06	
			536.57	
			271.54	
			199.93	
			431.85	
			90.42	
			1,269.60	
			133.04	
			84.08	
			1,575.60	
			283.90	
			214.34	
			116.11	
			2,522.21	
			479.70	
			807.30	
			315.28	
			95.58	
			168.64	
			17.95	
			327.53	
			1,549.88	
			681.45	
			-159.21	
			-267.38	
			-513.12	
			325.31	
			-835.17	
			-1,771.76	
G. W. Northrop, Inc.			100.00	
Hausman Steel			974.56	
			390.00	
Hoffman Brothers			2,005.62	
			112.53	
Munter-Prell			2,449.95	
			117.87	
			9.43	
			507.78	
			4.91	
			300.77	
			44.26	
			12.67	
J. H. Ballenger Co.			333.71	
Kalamazoo Foundry			294.30	

(continued)

TABLE 4 (continued)

EPA CONTRACT NO. 68-D1-6894  
 ASSIGNMENT NO. 6894-05-008 - VERONA WELL/BATTLE CREEK, MI  
 January 10, 1985

<u>Materials - reimbursable (continued)</u>		<u>Extension</u>	<u>Total</u>
Kendall Electric		\$ 628.70	\$
		1,393.80	
		97.16	
Kendall Industrial Supplies		229.75	
		5.10	
Modern Transit Mfx		1,575.29	
		2,548.10	
		75.40	
		358.02	
Murray Construction		650.25	
Neenah Foundry		462.91	
Northern Concrete Pipe, Inc.		934.86	
		853.37	
PECCO		6.08	
Ryerson Steel		1,064.29	
Summit		1,515.88	
		1,136.16	
		396.44	
		44.90	
Underground Pipe & Supply		2,501.20	
		17,399.62	
Union Electric		664.18	
		102.58	
Van-Trans		3,656.41	
		<u>4,996.00</u>	<u>90,731.11</u>
<u>Transportation</u>			
Airborne	Drawings to Michinan Department of Natural Resources	14.00	
	Drawings to U.S. EPA/Chicago	9.00	
Air Couriers	Wired money	2,906.25	
Air Wisconsin	Ref. 1200125	9.68	
Emery	Air transportation - pumps	73.14	
	Air transportation - probes	79.00	
		<u>79.00</u>	<u>3,091.07</u>
<u>Disposal</u>			
None			
<u>Analysis</u>			
	<u>Date</u>	<u>Quantity</u>	<u>Analysis</u>
			<u>\$/sample</u>
PEI Laboratory	6/4/84-10/17/84	150	VOA
	6/15/84	1	Flash point
	7/5/84	4	Solvents
			112.00
			30.00
			67.50
			<u>16,800.00</u>
			<u>30.00</u>
			<u>250.00</u>
			<u>17,080.00</u>
<u>Subcontracts</u>			
	<u>Description of service</u>		
Calgon	Accelerated column test		4,160.00
	Removal/regeneration of spent carbon 40,000# @ \$.12		4,800.00
	Removal/regeneration of spent carbon 40,000# @ \$.12		4,800.00
	Removal/regeneration of spent carbon 20,000# @ \$.12		2,400.00
Central Iron & Metal Co.	Salvage of pipe 14,540# @ \$25/ton		-181.75
Clark Construction	Installation of transformer		312.00
Consumers Power Co.	Rental of transformer 5/11-6/11/84		120.00
	Rental of transformer 6/11-7/11/84		124.80
	Rental of transformer 7/11-8/7/84		124.80
Drake Insulation	Labor		960.00
	Materials		1,263.02
Jack Saye	Wall forms		10,927.00
William H. Kelly Co.	Waterproofing		1,620.00
			<u>180.00</u>
			<u>31,604.87</u>
<u>Handling charge (3%)</u>			
	<u>Amount</u>		
Materials - reimbursable	\$90,731.11		2,721.93
Transportation	3,091.07		92.73
Analysis	17,080.00		N/A
Subcontracts	31,604.87		948.15
			<u>3,762.81</u>
			<u>GRAND TOTAL</u>
			<u>\$468,516.19</u>

RECONCILIATION FOR FORM 1900-55's - 6894-05-008 BATTLE CREEK

Date	Item	1900-55 cost	Actual cost	Difference
05/17/84	Side grinders (two)	10.00 10.00	11.00 11.00	1.00 1.00
05/20/84	Side grinders (two)	11.00 11.00	9.00 9.00	(2.00) (2.00)
05/21/84	Grooving machine	20.00	45.00	25.00
	Side grinders (two)	18.00	0.00	(18.00)
05/23/84	Addition error in equipment	1407.00	687.00	(720.00)
	Wrong labor total used for final	3104.75	3514.25	409.50
05/24/84	Addition error in equipment	11623.80	11683.80	60.00
	Fuel (Clark Oil)	18.85	28.85	10.00
	Handling charge adjustment			.30
05/25/84	Foreman Level 2 - wrong rate	201.60	183.00	(18.60)
	Laborer - wrong rate	126.40	94.80	(31.60)
05/29/84	Addition error in equipment	85.00	86.00	1.00
06/01/84	Pump starters, etc. (Lawrence Elec)	4067.00	4091.40	24.40
	Handling charge adjustment			.73
08/09/84	Materials - 3% handling charge not added	0.00	86.37	86.37
10/23/84	Fuel	31.25	31.62	.37
10/24/84	Fuel	12.50	12.64	.14
10/25/84	Subcontract - 3% handling charge not added	0.00	(5.45)	(5.45)
				-177.84



BATTLE CREEK CARBON TREATMENT PROJECT

FIELD NEGOTIATED RATES

Equipment

◦	20,000-lb carbon units	\$3525/mo		
◦	Turf tractor	21/hr		
◦	15-ton crane	50/hr		
◦	50-ton crane	85/hr		
◦	Cutting torch	8/hr	50/day	
◦	Portable welder	14/hr	90/day	440/wk
◦	Dozer	40/hr		
◦	Equipment truck	14/hr	75/day	
◦	Transit / level	35/day		
◦	30' lift truck	45/hr	300/day	
◦	50' lift truck	50/hr	330/day	
◦	Concrete bucket (1 yd)	35/day		
◦	Concrete vibrator	30/day		
◦	Welding stands	15/day	60/wk	
◦	Band saw	20/day		
◦	Grooving machine	45/day	200/wk	
◦	Power threader	20/day		
◦	Ladders	5/day	20/wk	
◦	Side grinders	11/day	42/wk	
◦	Heat torch	8/hr		

Personnel

◦	Pipesetter	23.10/hr
◦	Pipefitters	31.50/hr
◦	Plumbers	31.50/hr
◦	Iron Worker	31.50/hr
◦	Concrete Labor - skilled	23.10/hr
◦	Mason - Concrete Finisher	31.50/hr
◦	Apprentice Electrician	23.10/hr

Verona Well Field  
Immediate Action (4/25/84 to 1/22/85)

Personnel List

USEPA

Dan Caplice

OSC/RPM

Roy F. Weston (TAT)

Tom DeFouw

John Dourjalian

Rich Gnat

Pedco Environmental

John Bruck

Engineer

Rick Goodman

Laborer

Brandt Gunker

Engineer

Mike Hessling

Response Manager

Dave Hildebrandt

Engineer

James Kurtz

Engineer

Valerie North

Field Clerk Typist

Pam Paul

Clerk/Typist

Ray Roesner

Engineer

Vickie Singer

Field Clerk Typist

Joe Stockwell

Engineer

Bud Wahl

Engineer

John Wyman

Engineer

Calgon Carbon

Gerald Bates

Truck Driver

Frank Bazzano

Pipefitter

Joe Cupac

Foreman

Leo Dietz

Truck Driver

D. Hallard

Truck Driver

Bill & Mary Lou Hill

Truck Driver

Vic Pershina

Mechanic

Ward Rogers

Engineer

Charles Shaffer

Truck Driver

Joe Smithosky

Mechanic

W. Watters

Truck Driver

Central Iron & Metal

L. Hancock

Truck Driver

Drake Insullation

Paul Drake  
Jerry Smeltzer

Hoffman Brothers

John Abbott  
Ed Davids  
Harold Forkner  
Tom Forkner  
Colleen Groat  
Junior Orns  
Larry Orns  
Ray Orns  
Greg Robertson  
Tom Warnes  
Dewey Waterman  
Jack Vinson

Truck Driver  
Foreman  
Eq. Operator  
Eq. Operator  
Truck Driver  
Pipesetter  
Pipesetter/Operator  
Pipesetter  
Pipesetter/Operator  
Eq. Operator  
Eq. Operator  
Foreman/Operator

Hunter Prell

Larry Anklam (Anklaus)  
Mike Barnum  
Pete Barnum  
Al Brockway  
Scott Buck  
Rick Budreau (Budruc)  
Harold Burk  
Lloyd Casebeer  
Kent Choate  
Tom Dewey  
Earl Farrington  
Roy Hanson (Hansen)  
Gary Heckman  
Jerry (Terry) Jasper  
Bob Pope  
Doug Roberts  
Harvey Shoup  
Bill Smith  
Dan Wells  
Howard Westrick  
Bill Williams

Eq. Operator  
Pipefitter  
Welder  
Pipefitter  
Pipefitter  
Eq. Operator  
Welder  
Plumber/Pipefitter  
Foreman  
Foreman/Pipefitter  
Pipefitter  
Pipefitter  
Pipefitter  
Pipefitter  
Welder  
Foreman/Welder/Pipefitter  
Truck Driver/Operator  
Welder  
Pipefitter  
Pipefitter  
Welder

Jack Saye

Don Darling  
John Ochoa  
Tony Roller  
Jack Saye  
Ralph Saye  
Tom Saye

Kelly Waterproofing

Bill Lowry

Murray Construction

John Boorman (Boorman)  
Ray Case  
Dennis Combs  
Earl Cummings  
Dennis Heffron  
Milo Lashua (Mike Joshua)

Laborer/Concrete Laborer  
Iron Worker/Concrete Finisher  
Carpenter/Concrete Finisher  
Foreman  
Carpenter  
Carpenter/Iron Worker

Schweitzer Crane

Jim Davis (Lewis)  
Ray Davis (Lewis)  
Clearance Wintersteen

Eq. Operator  
Mechanic  
Truck Driver

Union Electric

Phil Eyer  
Larry Greenfield  
Richard (Dick) Hook  
Bass Morris  
Scott Rodesiler  
Herb Smith

Electrician  
Electrician  
Foreman  
Eq. Operator  
Apprentice Electrician  
Electrician

Universal Crane

Bud Bennett  
D. Wilber (W. Webster)

Eq. Operator  
Mechanic

US ENVIRONMENTAL PROTECTION AGENCY HAZARDOUS SUBSTANCE RESPONSE FUND CONTRACTOR COST REPORT				CONTRACTOR PEDCO Environmental			CONTRACT NUMBER 68-01-687A			
CONTRACTOR PERSONNEL REPORT				ASSIGNMENT NUMBER 687A-05-003			DATE APRIL 23, 1984			
1. EMPLOYEES ASSIGNED	2. WORK CLASSIFICATION	3. HOURLY LABOR RATE		4. HOURS EMPLOYED		5. BREAK TIME	6. TOTAL HOURS		7. TRAVEL AND SUBSISTENCE COSTS	8. TOTAL PERSONNEL COSTS
		REGULAR	OVERTIME	FROM	TO		REGU-LAR	OVER-TIME		
M. HESSLING	RESPONSE MGR.	52.50		0800	1700	1:00	8		\$355.00	775.00
W. ROGERS	ENGINEER (CALDON)	47.30		0800	1700	1:00	8		\$ 30.00*	408.40
* TRAVEL COST NOT BILLED								TOTAL PERSONNEL COSTS		1183.40

**CONTRACTOR-OWNED EQUIPMENT/MATERIALS REPORT**

CONTRACTOR

*Per Environmental*

CONTRACT NUMBER

*LS-01-6894*

ASSIGNMENT NUMBER

*6894-05-003*

DATE

*APRIL 25, 1984*

9. EQUIPMENT USED	10. HOURS USED		11. COST PER HOUR	12. TOTAL HOURS	13. TOTAL COST	15. MATERIALS USED	16. QUANTITY	17. TOTAL COST
	FROM	TO						
<i>NONE</i>						<i>NONE</i>		

14. TOTAL EQUIPMENT COSTS

*\$ - 0 -*

18. TOTAL MATERIAL COSTS

*\$ - 0 -*

SUBCONTRACTOR REPORT				CONTRACTOR P&D Co Environmental		CONTRACT NUMBER 68-01-68	
				ASSIGNMENT NUMBER 6894-05-003		DATE April 25 1984	
19. SUBCONTRACTOR NAME	20. WORK DESCRIPTION	21. SUBCONTRACT AMOUNT	23. REMARKS				
			1183.40				
22. TOTAL SUBCONTRACT COSTS			\$ - 0 -		24. CONTRACT CEILING AMOUNT		\$500,000.00
					25. TOTAL ESTIMATED CONTRACT COSTS TO DATE		\$1183.40
					26. TOTAL ESTIMATED COSTS TO COMPLETE CONTRACT		\$98,816.60
I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors which I ordered and authorized from the contractor in the performance of the above-cited contract.				I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors provided by the contractor in the performance of the above-cited contract.			
Signature of OSC Representative <i>[Signature]</i>		Time Arrived on Scene 5/10/84	Time Departed 11:00	Signature of Contractor's Authorized Representative <i>[Signature]</i>		Date 5/10/84	

US ENVIRONMENTAL PROTECTION AGENCY HAZARDOUS SUBSTANCE RESPONSE FUND CONTRACTOR COST REPORT				CONTRACTOR P.E.D.'s Environmental		CONTRACT NUMBER 68-01-6894				
CONTRACTOR PERSONNEL REPORT				ASSIGNMENT NUMBER 6894-05-008		DATE APRIL 27, 1984				
1. EMPLOYEES ASSIGNED	2. WORK CLASSIFICATION	3. HOURLY LABOR RATE		4. HOURS EMPLOYED		5. BREAK TIME	6. TOTAL HOURS		7. TRAVEL AND SUBSISTENCE COSTS	8. TOTAL PERSONNEL COSTS
		REGULAR	OVERTIME	FROM	TO		REGU-LAR	OVER-TIME		
ED DAVIDS	FOREMAN LVL 3	33.60	44.10	1000	1730	.30	6	1		245.70
<del>HEATHER B...</del> JACK VINSON	EQUIPMENT OP LVL 2	27.80	37.30	1000	1730	.30	6	1		204.60
<b>TOTAL PERSONNEL COSTS</b>									<b>450.30</b>	



**CONTRACTOR-OWNED EQUIPMENT/MATERIALS REPORT**

CONTRACTOR  
*FEIDCO Environmental*  
 ASSIGNMENT NUMBER  
*1594-05-003*

CONTRACT NUMBER  
*02-01-1394*  
 DATE  
*APRIL 27 1984*

9. EQUIPMENT USED	10. HOURS USED		11. COST PER HOUR	12. TOTAL HOURS	13. TOTAL COST	15. MATERIALS USED	16. QUANTITY	17. TOTAL COST
	FROM	TO						
<i>BACK HOE, CASE 580 EQUIVALENT</i>	<i>1000</i>	<i>1730</i>	<i>221/day</i>	<i>7</i>	<i>221.00</i>			
<b>14. TOTAL EQUIPMENT COSTS</b>					<i>\$ 221.00</i>	<b>18. TOTAL MATERIAL COSTS</b>		<i>\$ — 0 —</i>



US ENVIRONMENTAL PROTECTION AGENCY  
 HAZARDOUS SUBSTANCE RESPONSE FUND  
 CONTRACTOR COST REPORT

CONTRACTOR  
 PEDCO Environmental  
 CONTRACT NUMBER  
 LS-01-6894

CONTRACTOR PERSONNEL REPORT

ASSIGNMENT NUMBER  
 LS94-05-003  
 DATE  
 MAY 3, 1984

1. EMPLOYEES ASSIGNED	2. WORK CLASSIFICATION	3. HOURLY LABOR RATE		4. HOURS EMPLOYED		5. BREAK TIME	6. TOTAL HOURS		7. TRAVEL AND SUBSISTENCE COSTS	8. TOTAL PERSONNEL COSTS
		REGULAR	OVERTIME	FROM	TO		REGU-LAR	OVER-TIME		
MINE HESLING	RESPONSE MGR	52:50	14.10	9:30	17:00	:30	8		60.00	480.00
Harold Forkner	EQUIPMENT OP, LV. 2	27:80	37:80	9:30	16:30	:30	6 1/2			180.70
Dewey Waterman	EQUIPMENT OP LV. 2	27:80	37:80	14:30	16:30	:30	2			55.60
									716.30	
									TOTAL PERSONNEL COSTS	<u>716.30</u>

CONTRACTOR-OWNED EQUIPMENT/MATERIALS REPORT

CONTRACTOR  
 F&D Co Environmental  
 ASSIGNMENT NUMBER  
 6894-05-008

CONTRACT NUMBER  
 68-01-6574  
 DATE  
 MAR 3 1984

9. EQUIPMENT USED	10. HOURS USED		11. COST PER HOUR	12. TOTAL HOURS	13. TOTAL COST	15. MATERIALS USED	16. QUANTITY	17. TOTAL COST
	FROM	TO						
BACKHOE, CASE 580 EQUIVALENT	0930	1630	32.00	6 1/2	203.00	Ductile Iron Pipe & Fittings		Bill LATER
LOADER, WHEEL, 1.5 yd.	1430	1630	47.00	2	94.00			
Passenger Sedan (m.b. heater)	0000	1630	51/day 0.16/mi	16 1/2 280 mi	51.00 44.80			
14. TOTAL EQUIPMENT COSTS				\$ 377.80		15. TOTAL MATERIAL COSTS		\$

**SUBCONTRACTOR REPORT**

CONTRACTOR <i>PECO Environmental</i>	CONTRACT NUMBER <i>US-01-0394</i>
ASSIGNMENT NUMBER <i>US94-05-008</i>	DATE <i>MAR 3 1984</i>

19. SUBCONTRACTOR NAME	20. WORK DESCRIPTION	21. SUBCONTRACT AMOUNT	23. REMARKS
			<i>Will bill pipe upon receipt of invoice.</i>
22. TOTAL SUBCONTRACT COSTS			<i>\$ - 0 -</i>
24. CONTRACT CEILING AMOUNT			<i>\$500,000.00</i>
25. TOTAL ESTIMATED CONTRACT COSTS TO DATE			<i>\$2968.80</i>
26. TOTAL ESTIMATED COSTS TO COMPLETE CONTRACT			<i>\$467031.20</i>

*# 1114.10*

I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors which I ordered and authorized from the contractor in the performance of the above-cited contract.

I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors provided by the contractor in the performance of the above-cited contract.

Signature of OSC Representative <i>[Signature]</i>	Time Arrived on Scene <i>8:00</i>	Time Departed <i>17:00</i>	Signature of Contractor's Authorized Representative <i>[Signature]</i>	Date <i>3/4/84</i>
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US ENVIRONMENTAL PROTECTION AGENCY HAZARDOUS SUBSTANCE RESPONSE FUND CONTRACTOR COST REPORT				CONTRACTOR PEDCO Environmental			CONTRACT NUMBER 68-01-6394			
CONTRACTOR PERSONNEL REPORT				ASSIGNMENT NUMBER 6394-05-003			DATE Mar 4 1984			
1. EMPLOYEES ASSIGNED	2. WORK CLASSIFICATION	3. HOURLY LABOR RATE		4. HOURS EMPLOYED		5. BREAK TIME	6. TOTAL HOURS		7. TRAVEL AND SUBSISTENCE COSTS	8. TOTAL PERSONNEL COSTS
		REGULAR	OVERTIME	FROM	TO		REGU-LAR	OVER-TIME		
MICHAEL HESSLING	RESPONSE MGR.	52.50		0800	1630	30	8		60.00	480.00
JACK VINSON	FOREMAN LVL 3.	33.00		0800	1630	30	8			268.80
DEWEY WATERMAN	EQUIPMENT OP LVL 2	27.90		0800	1630	30	8			222.40
HAROLD FORKNER	EQUIPMENT OP LVL 2	27.80		0800	1630	30	8			222.40
TOM WARNES	EQUIPMENT OP. LVL 2	27.80		<del>0800</del> 1000	1630	30	6			166.80
LARRY ORNS	PIPESETTER *	23.10		0800	1630	30	8			184.80
GREG ROBERTSON	PIPESETTER *	23.10		0800	1430	30	6			182.80
	EQUIPMENT OP LVL 1	22.10		1430	1630	-	2			
Joe Stockwell	Engineer	47.30					4**			189.20
Bud Wahl	Engineer	47.30					12**			567.60
* Field Negotiated RATE For Skilled Laborer. to <sup>install</sup> <del>place</del> PIPE.							TOTAL PERSONNEL COSTS		2484.80	

\*\* WEEKLY TOTALS

**CONTRACTOR-OWNED EQUIPMENT/MATERIALS REPORT**

CONTRACTOR  
P.O. Environmental  
ASSIGNMENT NUMBER  
6894-08-008

CONTRACT NUMBER  
68-01-6894  
DATE  
MAR 4 1984

9. EQUIPMENT USED	10. HOURS USED		11. COST PER HOUR	12. TOTAL HOURS	13. TOTAL COST	15. MATERIALS USED	16. QUANTITY	17. TOTAL COST
	FROM	TO						
Backhoe, Case 590 Equip	0800	1630	221/day	8	221.00	SAW BLADES	2	B.11 Later
Backhoe, Cat 220 Equip	0800	1630	478/day	8	478.00			
Backhoe, Cat 225 Equip	1330	1630	68/hr	3	204.00			
Loader, Wheel, 1.5 yd	1430	1630	47/hr	2	94.00			
Loader Wheel, 3 yd	1000	1330	47/hr	3	141.00			
Stake Bed Truck	0830	1630	75/day	8	75.00			
Hand Tools	0800	1630	711/day	8	11.00			
Cut-Off Saw (Pipe Cutter)	1330	1530	711/day	2	11.00			
Passenger Sedan	0800	2400	51/day 0.16/mi	16 hr 280 mi	81.00 44.30			
<b>14. TOTAL EQUIPMENT COSTS</b>					<b>\$ 1330.80</b>	<b>18. TOTAL MATERIAL COSTS</b>		<b>\$</b>





US ENVIRONMENTAL PROTECTION AGENCY HAZARDOUS SUBSTANCE RESPONSE FUND CONTRACTOR COST REPORT				CONTRACTOR PEOC - Environmental			CONTRACT NUMBER 68-01-6894			
CONTRACTOR PERSONNEL REPORT				ASSIGNMENT NUMBER 6894-05-008			DATE May 7, 1984			
1. EMPLOYEES ASSIGNED	2. WORK CLASSIFICATION	3. HOURLY LABOR RATE		4. HOURS EMPLOYED		5. BREAK TIME	6. TOTAL HOURS		7. TRAVEL AND SUBSISTENCE COSTS	8. TOTAL PERSONNEL COSTS
		REGULAR	OVERTIME	FROM	TO		REGU-LAR	OVER-TIME		
Mike Hessling	Response Manager	52.50		800	1630	30	8		60	480.00
Jack Vinson	Foreman, Level 3* <del>Equipment Op., Lvl. 2</del>	33.60 <del>27.80</del>	(A)	800	1630	30	6 <del>8</del>			264.80 <del>231.60</del>
Harold Forkner	Equipment Op., Lvl. 2	27.80		800	1630	30	8			222.40
Tom Warnes	Equipment Op., Lvl. 2	27.80		800	1630	30	8			222.40
Greg Robertson	Equipment Op., Lvl. 1	22.10 <del>22.10</del>		800	1630	30	8			176.80 <del>176.80</del>
Larry Orns	<del>Pipesetter</del> Equipment Op., Lvl. 1	<del>23.10</del> 22.10		800	1630	30	6 <del>8</del>			132.60 <del>184.80</del>
Ray Orns	Pipesetter	23.10		800	1630	30	8			184.80
Jr. Orns	Pipesetter	23.10		800	1630	30	8			184.80
* Also Operated Equipment (A) on RIM (do not spec on level)									TOTAL PERSONNEL COSTS	1872.60

CONTRACTOR-OWNED EQUIPMENT/MATERIALS REPORT

CONTRACTOR  
 PEDCO Environmental  
 ASSIGNMENT NUMBER  
 6844-05-008

CONTRACT NUMBER  
 68-01-6894  
 DATE  
 May 7 1984

9. EQUIPMENT USED	10. HOURS USED		11. COST PER HOUR	12. TOTAL HOURS	13. TOTAL COST	16. MATERIALS USED	18. QUANTITY	17. TOTAL COST
	FROM	TO						
Backhoe, Case 580 Equip	800	1630	<del>27/hr</del> 68/hr	8	<del>197.00</del> 544.00	Saw Blades	4*	18.00
Backhoe, Cat 225 Equip.	800	1530	68/hr	7	476.00	Fuel (\$1.25/gal)	125 gal	156.25
Backhoe, Cat 225 Equip	800 1530	1430 1630	68/hr	7	476.00	*includes 2 blades shown 5/4/84 but not billed.		
Loader Wheel, 1 1/2 yd.	800	1630	<del>27/hr</del> 47/hr	8	<del>329</del> 376.00			
Loader Wheel, 3 yard	1430	1630	47/hr	2	94.00			
Stake Bed, 1 Ton	800	1630	75/day	8	75.00			
Hand Tools	800	1630	11/day	8	11.00			
Cut-off Saw (Ape Cutter)	800	1000	11/day	2	11.00			
Pump, Trash, 2"	1430	1630	16/hr	2	32.00			
Passenger Sedan	0000	1630	51/day .16/mi.	16 280mi	51.00 44.80			
Pick-Up Truck	8	4:30	58/day	8	58.00			
14. TOTAL EQUIPMENT COSTS					\$ 1849.8	18. TOTAL MATERIAL COSTS		\$ 179.48
						3% H.C.		5.23
						SUBTOTAL		174.25

1422-X

SUBCONTRACTOR REPORT

CONTRACTOR  
 PEDCO Environmental  
 ASSIGNMENT NUMBER  
 6844-05-008

CONTRACT NO.  
 68-01-0894  
 DATE  
 May 7 1984

19. SUBCONTRACTOR NAME	20. WORK DESCRIPTION	21. SUBCONTRACT AMOUNT	23. REMARKS
			3901.88
22. TOTAL SUBCONTRACT COSTS			\$
			24. CONTRACT CEILING AMOUNT \$ 500,000.00
			25. TOTAL ESTIMATED CONTRACT COSTS TO DATE \$ 10,686.28
			26. TOTAL ESTIMATED COSTS TO COMPLETE CONTRACT \$ 487,313.72

I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors which I ordered and authorized from the contractor in the performance of the above-cited contract.

I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors provided by the contractor in the performance of the above-cited contract.

Signature of OSC Representative  
*Daniel M. Caplice* 5/23/84

Time Arrived on Scene 9:00  
 Time Departed 16:30

Signature of Contractor's Authorized Representative  
*Michael J. Hoffmann*  
 Date 5/23/84

US ENVIRONMENTAL PROTECTION AGENCY HAZARDOUS SUBSTANCE RESPONSE FUND CONTRACTOR COST REPORT				CONTRACTOR PEDCO Environmental			CONTRACT NUMBER 68-01-6894			
CONTRACTOR PERSONNEL REPORT				ASSIGNMENT NUMBER 6894-05-008			DATE May 8, 1984			
1. EMPLOYEES ASSIGNED	2. WORK CLASSIFICATION	3. HOURLY LABOR RATE		4. HOURS EMPLOYED		5. BREAK TIME	6. TOTAL HOURS		7. TRAVEL AND SUBSISTENCE COSTS	8. TOTAL PERSONNEL COSTS
		REGULAR	OVERTIME	FROM	TO		REGU. LAR	OVER-TIME		
Mike Hessling	Response Manager	52.50		800	1630	30	8		60	480
Jack Vinson	Foreman, Lvl. 3 <del>Equipment Operator</del>	33.60 <sup>(A)</sup>		800	1630	30	6 <sup>9</sup>			268.80 <del>194.40</del>
Tom Forker	Equipment Op., Lvl. 2	27.80		800	1630	30	8			222.40
Harold Forkner	Equipment Op., Lvl. 2	27.80		800	1630	30	07			194.60 <del>222.40</del>
Greg Robertson	Equipment Op., Lvl. 2	27.80		800	1630	30	8			222.40
Larry Orns	Pipesetter	23.10		800	1630	30	2			178.80
	Equipment Op., Lvl. 1	22.10	6							
Ray Orns	Pipesetter	23.10		800	1630	30	8			184.80
Jr. Orns	Pipesetter	23.10		800	1630	30	8			184.80
Colleen Groat	Truck Driver	18.90		1000	1100	-	1			18.90
* ALSO OPERATED EQUIPMENT <i>Chmic &amp; RM discharge on level</i>							TOTAL PERSONNEL COSTS		1955.5	



**SUBCONTRACTOR REPORT**

CONTRACTOR  
*PECO Environmental*

ASSIGNMENT NUMBER  
*6894-05-008*

CONTRACT NUMBER  
*68-01-894*

DATE  
*May 8 1984*

19. SUBCONTRACTOR NAME	20. WORK DESCRIPTION	21. SUBCONTRACT AMOUNT	23. REMARKS
			3873.47
22. TOTAL SUBCONTRACT COSTS			\$
			24. CONTRACT CEILING AMOUNT
			\$ <del>500,000.00</del> 500,000.00
			25. TOTAL ESTIMATED CONTRACT COSTS TO DATE
			\$ 14557.75
			26. TOTAL ESTIMATED COSTS TO COMPLETE CONTRACT
			\$ 485440.25

I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors which I ordered and authorized from the contractor in the performance of the above-cited contract.

I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors provided by the contractor in the performance of the above-cited contract.

Signature of Contractor Representative  
*David M. Caplier* 5/23/84

Time Arrived on Scene  
*8:00*

Time Departed  
*16:30*

Signature of Contractor's Authorized Representative  
*Michael C. Hoffmeyer*

Date  
*5/23/84*

US ENVIRONMENTAL PROTECTION AGENCY  
HAZARDOUS SUBSTANCE RESPONSE FUND  
CONTRACTOR COST REPORT

CONTRACTOR  
PEDCO Environmental

CONTRACT NUMBER  
68-01-6894

CONTRACTOR PERSONNEL REPORT

ASSIGNMENT NUMBER  
6894-05-008

DATE  
MAY 9, 1984

1. EMPLOYEES ASSIGNED	2. WORK CLASSIFICATION	3. HOURLY LABOR RATE		4. HOURS EMPLOYED		5. BREAK TIME	6. TOTAL HOURS		7. TRAVEL AND SUBSISTENCE COSTS	8. TOTAL PERSONNEL COSTS	
		REGULAR	OVERTIME	FROM	TO		REGU-LAR	OVER-TIME			
Mike Hessling	Response Manager	52.50	14.10	8	6:30	1/2	8	2	60	608.20	
Jack Vinson	Foreman, Level 3*	33.60		8	4:30	1/2	8			268.80	
Tom Warnes	Equipment Op., Level 2	27.80		8	4:30	1/2	8			222.40	
Harold Forker	Equipment Op., Level 2	27.80		8	4:30	1/2	8			222.40	
Larry Orns	Equipment Op. Level 1	22.10					7				
	Pipesetter	23.10		8	4:30	1/2	1			177.80	
Greg Robertson	Equipment Op. Level 1	22.10					2				
	Pipesetter	23.10		8	4:30	1/2	6			182.80	
Jr. Orns	Pipesetter	23.10		8	4:30	1/2	8			184.80	
Ray Orns	Pipesetter	23.10		8	4:30	1/2	8			184.80	
Earl Cummings	Foreman Lvl. 3	33.60		17:30 8	4:30	-	4			134.40	
Dennis Haffron	Carpenter	23.10		8	4:30	1/2	8			184.80	
Ray Case	Iron Worker	31.50		8	4:30	1/2	8			252.00	
John Baerman	Laborer	15.80		8	4:30	1/2	8			126.40	
Joe Cupac	Foreman, Level 3	33.60		8	2	2	4		288**	422.40	
Frank Bazzano	Pipefitter	31.50		8	2	2	4		288**	414.00	
Joe Smithosky	Mechanic	26.30		8	2	2	4		288**	393.20	
* ALSO OPERATED EQUIPMENT ** Includes \$228.00 Air Fare										TOTAL PERSONNEL COSTS	3979.20

CONTRACTOR-OWNED EQUIPMENT/MATERIALS REPORT

CONTRACTOR  
PEDCO Env.

CONTRACT NUMBER  
68-01-6899

ASSIGNMENT NUMBER  
6899-05-008

DATE  
MAY 9, 1984

9. EQUIPMENT USED	10. HOURS USED		11. COST PER HOUR	12. TOTAL HOURS	13. TOTAL COST	15. MATERIALS USED	16. QUANTITY	17. TOTAL COST
	FROM	TO						
Case 580 Equip.			221/day	day <sup>(7)</sup>	221.00	TOP SOIL	90 yd.	BILL LATER
Cat 225 Equip (Linkbelt)			168/hr	6	408.00	Saw Blade	1	4.50
Loader Wheel 1.5 yd.			331/d	day <sup>(8)</sup>	331.00	GRASS SEED	100 lb	BILL LATER
Loader Wheel 3 yd.			47/hr.	4	188.00	Fuel	85 gal.	106.25
Turf Tractor			21/hr	3	63.00	RR TIES (CRIBBING)	<del>24</del>	100.00
Stake Bed 1 Ton			75/day	day <sup>(8)</sup>	75.00	LUMBER		BILL LATER
Dump Truck, Fixed-10 yd.			30/hr	4	120.00	Neehan Manway	1	BILL LATER
2" Elect. Submersible Pump			55/day	day	55.00	18" Butterfly Valve	1	BILL LATER
15 Ton Crane			50/hr	2	100.00	Rebar		BILL LATER
Hand Tools			11/day	day	11.00			
Cutting Torch			8/hr	1	8.00			
Hand Tools			11/day	day	11.00			
Stake Bed 2 Ton			16/hr	3	48.00			
2" Trash Pump			16/hr.	3 1/2	56.00			
Pickup Truck			58/day	day	58.00			
						SUBTOTAL		210.75
						3% H.C.		6.32
14. TOTAL EQUIPMENT COSTS					\$ 1753.00	15. TOTAL MATERIAL COSTS		\$ 217.07



SUBCONTRACTOR REPORT

CONTRACTOR <b>PEDCo Env.</b>	CONTRACT NUMB <b>68-01-0894</b>
ASSIGNMENT NUMBER <b>6894-05-008</b>	DATE <b>MAY 9 1984</b>

19. SUBCONTRACTOR NAME	20. WORK DESCRIPTION	21. SUBCONTRACT AMOUNT	23. REMARKS
	Transportation of Dual Carbon Unit From Pittsburgh Pa. To Battle Creek MI	1350.00	
	3% H.C.	40.50	
22. TOTAL SUBCONTRACT COSTS		\$ 1390.50	7339.771
		24. CONTRACT CEILING AMOUNT	\$ 500,000.00
		25. TOTAL ESTIMATED CONTRACT COSTS TO DATE	\$ 21,899.52
		26. TOTAL ESTIMATED COSTS TO COMPLETE CONTRACT	\$ 478,100.48

I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors which I ordered and authorized from the contractor in the performance of the above-cited contract.

I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors provided by the contractor in the performance of the above-cited contract.

Signature of <del>EPA</del> Representative <i>DMC</i> <b>Daniel M. Caplan</b>	Time Arrived on Scene <b>5/23/84</b> <b>8:00</b>	Time Departed <b>16:30</b>	Signature of Contractor's Authorized Representative <b>John H. Hooper</b>	Date <b>5/27/84</b>
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US ENVIRONMENTAL PROTECTION AGENCY  
HAZARDOUS SUBSTANCE RESPONSE FUND  
CONTRACTOR COST REPORT

CONTRACTOR

PEDCO ENV.

CONTRACT NUMBER

68-01-689-1

CONTRACTOR PERSONNEL REPORT

ASSIGNMENT NUMBER

6894-05-008

DATE

MAY 10, 1984

1. EMPLOYEES ASSIGNED	2. WORK CLASSIFICATION	3. HOURLY LABOR RATE		4. HOURS EMPLOYED		5. BREAK TIME	6. TOTAL HOURS		7. TRAVEL AND SUBSISTENCE COSTS	8. TOTAL PERSONNEL COSTS
		REGULAR	OVERTIME	FROM	TO		REGU-LAR	OVER-TIME		
Mike Hessling	Response Manager	52.50		800	1630		8		60	480.00
Jack Vinson	Foreman, Level 3	33.60		800	1630		8			268.80
Dewey Waterman	Equipment Op., Lvl. 2	27.80		800	1630		8			222.40
Tom Finkler	Equipment Op., Lvl. 2	27.80		800	1630		8			222.40
Greg Robertson	Equipment Op., Lvl. 1	22.10		800	1630		8			176.80
Larry Oens	Pipesetter	23.10		800	1630		8			184.80
Jr. Oens	Pipesetter	23.10		800	1630		8			184.80
Colleen Groat	Truck Driver	18.90		800	<del>1630</del>		3 1/2			66.15
John Abbott	Truck Driver	18.90		800	<del>1630</del>		3 1/2			66.15
Earl Cummings	Foreman	33.60		900	1630		8			268.80
Dennis Heffron	Carpenter	23.10		800	1630		8			184.80
Ray Case	Concrete Labor	23.10		800	1630		8			184.80
John Borman	Laborer	15.80		800	1630		8			126.40
Joe Cupac	Foreman	33.60		800			8		60	328.80
Frank Bazzano	Pipefitter	31.50		800			8		60	312.00
Joe Smithosky	Mechanic	26.30		800	1630		8		60	270.40
Richard Hook	Foreman	33.60		800	17:00		4			<del>222.40</del> 134.40
Phil Eyer	Electrician	31.50		800			4			126.00
Jim Lewis	EQUIPMENT OP. LVL 2	27.80		800			6			166.80
Ray Lewis	MECHANIC.	26.30		800			6			157.80
Kent Choate	Foreman	33.60		800			2			67.20
Tom Dewey	Foreman Pipefitter	33.60 31.50		800			6 2			264.60
Elmer Farrington	Pipefitter	31.50		800	16		8			252.00
									TOTAL PERSONNEL COSTS	

US ENVIRONMENTAL PROTECTION AGENCY  
 HAZARDOUS SUBSTANCE RESPONSE FUND  
 CONTRACTOR COST REPORT

CONTRACTOR

PEDCO Env.

CONTRACT NUMBER

68-01-6894

CONTRACTOR PERSONNEL REPORT

ASSIGNMENT NUMBER

6894-05-003

DATE

MAY 10, 1984

1. EMPLOYEES ASSIGNED	2. WORK CLASSIFICATION	3. HOURLY LABOR RATE		4. HOURS EMPLOYED		5. BREAK TIME	6. TOTAL HOURS		7. TRAVEL AND SUBSISTENCE COSTS	8. TOTAL PERSONNEL COSTS
		REGULAR	OVERTIME	FROM	TO		REGU-LAR	OVER-TIME		
Dan Wells	Pipefitters	31.50					8			252.00
Loyd Cassbeer	Plumber	31.50					8			252.00
Harvey Shoup	Truck Driver	18.90					8			151.20
										5372.30
<b>TOTAL PERSONNEL COSTS</b>										<del>5372.30</del>

CONTRACTOR-OWNED EQUIPMENT/MATERIALS REPORT

CONTRACTOR  
PEDCO ENV.

CONTRACT NUMBER  
68-01-6894

ASSIGNMENT NUMBER  
6894-05-008

DATE  
MAY 10, 1984

9. EQUIPMENT USED	10. HOURS USED		11. COST PER HOUR	12. TOTAL HOURS	13. TOTAL COST	15. MATERIALS USED	16. QUANTITY	17. TOTAL COST
	FROM	TO						
Case 580 Equip.			32/hr	4	128.00	Fuel	110 gal	137.50
Cat 225 Equip. (Linkbelt)			68/hr	2	136.00	MAN HOLE	1	853.37
Loader Wheel, 1.5 yd (3C)			47/hr	8 (w)	331.00	<del>Sparkers</del>	<del>7</del>	<del>1000</del>
Loader Wheel, 1.5 yd (Int)			47/hr	5	235.00	Top Soil	40 yd	585.00
Dozer			40/hr	6	240.00	Stone		Bill Later
Turt' Tractor			21/hr	5	105.00	Carbon	20,000*	86,000
Stake Bed, 1 Ton.			75/day	day <sup>(2)</sup>	75.00	Photo Switches	5	Bill Later
15 Ton Crane			50/hr.	2	100.00			
Dump, Fixed, 10 yd			30/hr.	3 1/2	105.00			
Dump, Fixed, 10 yd.			30/hr.	3 1/2	105.00			
Hand Tools			11/day	day	9.00*			
50 Ton Crane			75/hr	6	510.00			
2" Trash Pump			80/day	day	80.00			
2" Elec. Submersible Pump			55/day	day	55.00			
Compressor			95/day	day	95.00			
Pick-Up Truck			58/day	day	58.00			
Hand Tools			11/day	day	11.00			
Stake Bed, 2 Ton			80/day	day	80.00			
<del>Hand Tools</del>			11/day	day	11.00			
Pick-Up Truck			58/day	day	57.00*			
Carbon Filter, 20,000#			1175/wk	S.B.	470.00			
Carbon Filter, 20,000#			1175/wk	S.B.	470.00			
Carbon Filter, 20,000#			1175/wk	S.B.	470.00			
Carbon Filter, 20,000#			1175/wk	S.B.	470.00			
Step Ladders (2)			5/day	day	10.00			
14. TOTAL EQUIPMENT COSTS *Converting to Weekly Rate					4416.00	15. TOTAL MATERIAL COSTS		87623.15

SUBTOTAL  
Non Fixed Rate  
1575.87  
3% H.C.  
47.28  
Fixed Rate  
86,000.00

SUBCONTRACTOR REPORT

CONTRACTOR  
PEDCO ENV.

CONTRACT NUMBER  
68-01-099

ASSIGNMENT NUMBER  
6844-05-008

DATE  
MAY 10, 1984

19. SUBCONTRACTOR NAME	20. WORK DESCRIPTION	21. SUBCONTRACT AMOUNT	23. REMARKS
	<p>TRANSPORTATION OF 2 Carbon Units to Battle Creek Site from Pittsburgh</p> <p>37. H.C.</p>	<p>1350.</p> <p>40.50</p>	<p>98001.95</p> <p><del>728,096.53</del></p>
22. TOTAL SUBCONTRACT COSTS			24. CONTRACT CEILING AMOUNT
\$1390.50			\$500,000.00
			25. TOTAL ESTIMATED CONTRACT COSTS TO DATE
			\$120,701.07
			26. TOTAL ESTIMATED COSTS TO COMPLETE CONTRACT
			\$377,298.93
I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors which I ordered and authorized from the contractor in the performance of the above-cited contract.		I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors provided by the contractor in the performance of the above-cited contract.	
Signature of <sup>RPM</sup> Representative <i>Dennis M. Caplan</i>	Time Arrived on Scene 5/23/84 8:00	Time Departed 16130	Signature of Contractor's Authorized Representative <i>Michael J. [unclear]</i>
		Date 5/23/84	



US ENVIRONMENTAL PROTECTION AGENCY  
HAZARDOUS SUBSTANCE RESPONSE FUND  
CONTRACTOR COST REPORT

CONTRACTOR  
**PEC Co. ENV.**

CONTRACT NUMBER  
**68-01-6894**

CONTRACTOR PERSONNEL REPORT

ASSIGNMENT NUMBER  
**6894-05-008**

DATE  
**May 11, 1984**

1. EMPLOYEES ASSIGNED	2. WORK CLASSIFICATION	3. HOURLY LABOR RATE		4. HOURS EMPLOYED		5. BREAK TIME	6. TOTAL HOURS		7. TRAVEL AND SUBSISTENCE COSTS	8. TOTAL PERSONNEL COSTS
		REGULAR	OVERTIME	FROM	TO		REGU-LAR	OVER-TIME		
Joe Stockwell	Engineer	47.30					20			946.00
Ray Roesner	Engineer	47.30					12			567.60
Dave Hildebrandt	Engineer	47.30					2			94.60
John Wyman	Engineer	47.30					3			141.90
James Kurtz	Engineer	47.30					7 1/2			354.75
Pam Paul	Clerk/Typist	15.80					12			189.60
									TOTAL PERSONNEL COSTS	5454.00





SUBCONTRACTOR REPORT				CONTRACTOR <i>PEDCO Env.</i>		CONTRACT NUMBER <i>68-01-6294</i>	
				ASSIGNMENT NUMBER <i>6894-05-008</i>		DATE <i>MAY 11, 1984</i>	
19. SUBCONTRACTOR NAME	20. WORK DESCRIPTION	21. SUBCONTRACT AMOUNT	23. REMARKS				
			<i>7317.37</i>				
22. TOTAL SUBCONTRACT COSTS			\$	24. CONTRACT CEILING AMOUNT		\$ <i>500,000.00</i>	
				25. TOTAL ESTIMATED CONTRACT COSTS TO DATE		\$ <i>128,018.84</i>	
				26. TOTAL ESTIMATED COSTS TO COMPLETE CONTRACT		\$ <i>371,981.56</i>	
I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors which I ordered and authorized from the contractor in the performance of the above-cited contract.				I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors provided by the contractor in the performance of the above-cited contract.			
Signature of <sup>NSM</sup> Representative		Time Arrived on Scene	Time Departed	Signature of Contractor's Authorized Representative		Date	
<i>David M. Galois</i>		<i>5/23/84</i>	<i>8:00</i>	<i>Michael C. Hooper</i>		<i>5/23/84</i>	

US ENVIRONMENTAL PROTECTION AGENCY  
HAZARDOUS SUBSTANCE RESPONSE FUND  
CONTRACTOR COST REPORT

CONTRACTOR  
PEDCO ENV.

CONTRACT NUMBER  
68-01-6894

CONTRACTOR PERSONNEL REPORT

ASSIGNMENT NUMBER  
6894-05-008

DATE  
MAR 14, 1984

1. EMPLOYEES ASSIGNED	2. WORK CLASSIFICATION	3. HOURLY LABOR RATE		4. HOURS EMPLOYED		5. BREAK TIME	6. TOTAL HOURS		7. TRAVEL AND SUBSISTENCE COSTS	8. TOTAL PERSONNEL COSTS
		REGULAR	OVERTIME	FROM	TO		REGU-LAR	OVER-TIME		
Mike Hessling	Response Manager	52.50		7:00	16:30		8		60	480.00
Jack Vinson	Foreman Lvl. 3	33.60		8:00	9:00		1			33.60
Dewey Waterman	Operator Lvl. 2	27.80		8:00	12:00		4			111.20
Earl Cummings	Foreman	33.60		9:00	16:30		8			268.80
Dennis Heffron	Carpenter	23.10		8:00	16:30		8			184.80
Milo Loshua	Carpenter	23.10		8:00	16:30		8			184.80
Ray Cass	Concrete Labor	23.10		8:00	16:30		8			184.80
John Boaman	Laborer	15.80		8:00	16:30		8			126.40
Kent Choate	Foreman Lvl 3	33.60		8:00	10:00		2			67.20
Tom Dewey	Foreman Lvl. 3 Pipe Fitter	23.60 31.50		8:00	16:30		6 2			264.60
Bob Pope	Welder	31.50		8:00	16:30		8			252.00
Richard S. Hook	Foreman	33.60		10:00	16:30		6			201.60
Herb Smith	Electrician	31.50		10:00	16:30		6			189.00
Scott Rodesiler	Apprentice Electrician	23.10		10:00	16:30		6			138.60
<del>Franklin D...</del>	<del>Mechanic</del>						2			
<del>James S. Elliott</del>	<del>Foreman</del>						2			
									TOTAL PERSONNEL COSTS	2687.40

One & all changes on level

CONTRACTOR-OWNED EQUIPMENT/MATERIALS REPORT

CONTRACTOR

PEOC - Env.

CONTRACT NUMBER

63-01-6894

ASSIGNMENT NUMBER

6294-05-008

DATE

MAY 14 1984

9. EQUIPMENT USED	10. HOURS USED		11. COST PER HOUR	12. TOTAL HOURS	13. TOTAL COST	15. MATERIALS USED	16. QUANTITY	17. TOTAL COST
	FROM	TO						
225 Cat Equip. (Linkbelt)	8:00	10:00	68/hr.	2	136.00	Steel Pipe & Fittings		Bill Later
Dozer 450	10:00	12:00	40/hr.	2	80.00	24" Concrete Pipe	48 LF	Bill Later
2" Elect. Submersible	0:00	24:00	55/day	day	55.00*	Mastic	5 gal	Bill Later
Hand Tools	8:00	15:30	11/day	day	11.00	PVC Waterstop	150 LF	395.00
Hand Tools	8:00	16:30	11/day	day	11.00			
Stake Bed, 2 Ton	8:00	16:30	80/day	day	80.00			
Hand Tools	8:00	16:30	11/day	day	11.00			
Transit Level	8:00	16:30	35/day	day	35.00			
Cutting Torch	8:00	16:30	50/day	day	50.00			
Lift Truck 50'	10:00	16:30	50/hr	6	300.00			
Hand Tools	10:00	16:30	11/day	day	11.00			
Pick-up Truck	10:00	17:30	9/hr	6	54.00			
Passenger Sedan			51/day -16/mi	day 280mi	51.00 44.80			
						Sub Total 370 H.C.		395.00 11.85
14. TOTAL EQUIPMENT COSTS *Converting to Weekly Rate					929.80	15. TOTAL MATERIAL COSTS		406.85

**SUBCONTRACTOR REPORT**

CONTRACTOR <i>PEDCo Environmental</i>	CONTRACT NUMBER <i>68-01-6894</i>
ASSIGNMENT NUMBER <i>6894-05-008</i>	DATE <i>MAY 14, 1984</i>

19. SUBCONTRACTOR NAME	20. WORK DESCRIPTION	21. SUBCONTRACT AMOUNT	23. REMARKS
			<i>1024,05</i>

24. CONTRACT CEILING AMOUNT	\$ <i>500,000.00</i>
25. TOTAL ESTIMATED CONTRACT COSTS TO DATE	\$ <i>132,042.87</i>
26. TOTAL ESTIMATED COSTS TO COMPLETE CONTRACT	\$ <i>367,957.81</i>

22. TOTAL SUBCONTRACT COSTS \$

I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors which I ordered and authorized from the contractor in the performance of the above-cited contract.

I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors provided by the contractor in the performance of the above-cited contract.

Signature of <del>EPA</del> Representative <i>RPM</i> <i>Daniel M. Caplice</i>	Time Arrived on Scene <i>5/23/84</i> <i>8:00</i>	Time Departed <i>16:30</i>	Signature of Contractor's Authorized Representative <i>Michael C. Hoarving</i>	Date <i>5/23/84</i>
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US ENVIRONMENTAL PROTECTION AGENCY  
HAZARDOUS SUBSTANCE RESPONSE FUND  
CONTRACTOR COST REPORT

CONTRACTOR

PECCO ENV.

CONTRACT NUM

68-01-6899

CONTRACTOR PERSONNEL REPORT

ASSIGNMENT NUMBER

6899-05-008

DATE

MAY, 15, 1984

1. EMPLOYEES ASSIGNED	2. WORK CLASSIFICATION	3. HOURLY LABOR RATE		4. HOURS EMPLOYED		5. BREAK TIME	6. TOTAL HOURS		7. TRAVEL AND SUBSISTENCE COSTS	8. TOTAL PERSONNEL COSTS
		REGULAR	OVERTIME	FROM	TO		REGU-LAR	OVER-TIME		
Mike Hessling	Response Mgr	52.50		8:00	16:30		8	2)	60	480.00
Dennis Heffron	Carpenter	23.10		8:00	16:30		8			184.80
Dennis Comb	Carpenter	23.10		12:00	12:00		1			92.40
Milo Joshua	Concrete Finisher	31.50		8:00	16:30		8			252.00
Ray Case	Concrete Finisher	31.50		8:00	16:30		8			252.00
John Bowman	Concrete Labor Lvl 2	23.10		8:00	16:30		8			184.80
Earl Cummings	Foreman, LVL 3	33.60		8:00	16:30		8			268.80
Tom Dewey	Foreman, Lvl 3	33.60		8:00	16:30		8			268.80
Pete Barnum	Welder	31.50		8:00	16:30		8			252.00
Doug Roberts	Pipefitter	31.50		8:00	16:30		8			252.00
Bob Pope	Welder	31.50		8:00	16:30		8			252.00
Jim Lewis	Equipment Op. Lvl 2	27.80		8:00	15:00		7			194.60
Ray Lewis	Equip. Mechanic	26.30		8:00	15:00		7			184.10
Clarence Winte-Steen	Truck Driver	18.90		8:00	10:00		2			37.80
Richard Hook	Foreman, Lvl. 3	33.60		8:00	16:30		8			268.80
Herb Smith	Electrician	31.50		8:00	16:30		8			252.00
Scott Rockesiter	Apprentice Electrician	23.10		8:00	16:30		8			184.80
									TOTAL PERSONNEL COSTS	3861.70

(A) All are disburse on final

CONTRACTOR-OWNED EQUIPMENT/MATERIALS REPORT

CONTRACTOR  
 Penco Env.  
 ASSIGNMENT NUMBER  
 6874-05-002

CONTRACT NUMBER  
 68-01-6894  
 DATE  
 MAY 15, 1984

9. EQUIPMENT USED	10. HOURS USED		11. COST PER HOUR	12. TOTAL HOURS	13. TOTAL COST	15. MATERIALS USED	16. QUANTITY	17. TOTAL COST
	FROM	TO						
<del>Bucket 220 cu ft</del>			<del>35/day</del>	<del>1 day</del>	—	Fuel	6 gal	7.50
2" Elect. Submersible	00:00	24:00	55/day	1 day	- 0 -	Concrete	33 yd	Bill Later
2-Welding Machines (2)	8:00	16:30	90/day	1 day	180.00	Rebar		Bill Later
Tools - Welding etc (4 Sets)	8:00	16:30	11/day	1 day	44.00	Steel Pipe		Bill Later
<del>Pickup Truck</del>			<del>35/day</del>	<del>1 day</del>	—			
<del>50-Ton Crane</del>			<del>85/hr</del>	<del>6 1/2</del>	—			
Concrete Bucket	8:00	14:30	35/day	1 day	35.00			
TRANSIT	8:00	16:00	35/day	1 day	35.00			
STAKE BED - 2 TON	8:00	16:00	80/day	1 day	80.00			
HAND TOOLS	8:00	16:00	11/day	1 day	11.00			
CONCRETE VIBRATOR	8:00	16:00	30/day	1 day	30.00			
<del>30' Lift Truck</del>			<del>45/hr</del>	<del>4</del>	—			
50' Lift Truck	8:00	12:00	50.00/hr	4 hrs	200.00			
Equipment Van	8:00	16:30	75/day	1 day	75.00			
Hand Tools	8:00	16:30	11/day	1 day	11.00			
<del>30' Lift Truck</del>			<del>45/hr</del>	<del>4</del>	—			
50-TON Crane	8:00	14:30	85/hr	6 1/2	552.50			
Welding Stands (2 Sets)	8:00	16:30	15/day	1 day	30.00			
30' Lift Truck	12:30	16:30	45/hr	4	180.00			
14. TOTAL EQUIPMENT COSTS *Converted to Weekly					1463.50	15. TOTAL MATERIAL COSTS		7.73

Subtotal  
 376 H.C.

7.50  
 .23

**SUBCONTRACTOR REPORT**

CONTRACTOR  
**PEDCO Env.**  
ASSIGNMENT NUMBER  
**6894-05-008**

CONTRACT NUMBER  
**68-01-6894**  
DATE  
**MAY 15, 1984**

19. SUBCONTRACTOR NAME	20. WORK DESCRIPTION	21. SUBCONTRACT AMOUNT	23. REMARKS
22. TOTAL SUBCONTRACT COSTS			\$ <b>5332.93</b>
			24. CONTRACT CEILING AMOUNT \$ <b>500,000.00</b>
			25. TOTAL ESTIMATED CONTRACT COSTS TO DATE \$ <b>137,375.82</b>
			26. TOTAL ESTIMATED COSTS TO COMPLETE CONTRACT \$ <b>362,674.18</b>
I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors which I ordered and authorized from the contractor in the performance of the above-cited contract.		I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors provided by the contractor in the performance of the above-cited contract.	
Signature of <del>Contractor's</del> Representative <i>David M. Caplan</i>	Time Arrived on Scene <b>8:00</b>	Time Departed <b>16:30</b>	Signature of Contractor's Authorized Representative <i>Michael C. Hoffmann</i>
			Date <b>5/23/84</b>

US ENVIRONMENTAL PROTECTION AGENCY  
HAZARDOUS SUBSTANCE RESPONSE FUND  
CONTRACTOR COST REPORT

CONTRACTOR  
PEDCO ENV.

CONTRACT NUMBER  
68-01-6894

ASSIGNMENT NUMBER  
6894-05-008

DATE  
MAY 16, 1984

CONTRACTOR PERSONNEL REPORT

1. EMPLOYEES ASSIGNED	2. WORK CLASSIFICATION	3. HOURLY LABOR RATE		4. HOURS EMPLOYED		5. BREAK TIME	6. TOTAL HOURS		7. TRAVEL AND SUBSISTENCE COSTS	8. TOTAL PERSONNEL COSTS
		REGULAR	OVERTIME	FROM	TO		REGU-LAR	OVER-TIME		
Tom Dewey	Foreman Level 3	33.60		8:00	16:30		8			268.80
Loyd Cassbeer	Pipefitter	31.50		8:00	16:30		8			252.00
Bob Pope	Welder	31.50		8:00	16:30		8			252.00
Pete Barnum	Welder	31.50		8:00	16:30		8			252.00
Mike Barnum	Pipefitter	31.50		8:00	16:30		8			252.00
Doug Roberts	Welder	31.50		8:00	16:30		8			252.00
Roy Hansen	Pipefitter	31.50		8:00	16:30		8			252.00
Gary Heckman	Pipefitter	31.50		8:00	16:30		8			252.00
Mike Hessling	Response Manager	52.50		8:00	16:30		8		60	480.00
Earl Cummings	Foreman, Level 3	33.60		8:00	16:30		8			268.80
Dennis Heffron	Carpenter	23.10		8:00	16:30		8			184.80
Milo Lashua	Iron Worker	31.50		8:00	16:30		8			252.00
Roy Case	Iron Worker	31.50		8:00	16:30		8			252.00
John Boaman	Laborer	15.80		8:00	16:30		8			126.40
Richard Hook	Foreman Level	33.60		12:00	16:30		4 1/2			151.20
Herb Smith	Electrician	31.50		8:00	16:30		8			252.00
Scott Rodesiler	Apprentice Electrician	23.10		8:00	16:30		8			184.80
									TOTAL PERSONNEL COSTS	4184.80

(A) resp. & risk manager on level



CONTRACTOR-OWNED EQUIPMENT/MATERIALS REPORT

CONTRACTOR  
 WSP... ENV.  
 ASSIGNMENT NUMBER  
 1094-05-002

CONTRACT NUMBER  
 62-01-6274  
 DATE  
 MAY 16, 1984

9. EQUIPMENT USED	10. HOURS USED		11. COST PER HOUR	12. TOTAL HOURS	13. TOTAL COST	15. MATERIALS USED	16. QUANTITY	17. TOTAL COST
	FROM	TO						
Welding Machine (Elet.)	8:00	16:30	90/day	day	90.00	FUEL	2 gal	10.00
Welding Machine (Elet.)	8:00	16:30	90/day	day	90.00	Steel Pipe		Bill Later
Welding Machine (Gas)	8:00	16:30	90/day	day	90.00			
Hand Tools (3 Sets)	8:00	16:30	11/day	day	44.00			
Welding Stands (3 Sets)	8:00	16:30	15/day	day	45.00			
EQUIPMENT TRUCK	8:00	16:30	75/day	day	75.00			
HAND TOOLS	8:00	16:30	11/day	day	11.00			
<del>LIFT TRUCK 30'</del>	<del>8:00</del>	<del>12:00</del>	<del>45/hr</del>	<del>4</del>	<del>180.00</del>			
LIFT TRUCK 50'	8:00	12:00	50/hr	4	200.00			
Cutting Torch	8:00	16:30	50/day	day	50.00			
Stake 130' 2 TON	8:00	16:30	90/day	day	90.00			
Hand Tools	8:00	16:30	11/day	day	11.00			
LIFT TRUCK 30'	8:00	12:00	45/hr	4	180.00			
14. TOTAL EQUIPMENT COSTS					966.00	18. TOTAL MATERIAL COSTS		10.30

Sub total  
 3% H.C.

SUBCONTRACTOR REPORT

CONTRACTOR

PEDCO ENV

CONTRACT NUM

68-01-6894

ASSIGNMENT NUMBER

6894-05-008

DATE

MAY 16, 1984

19. SUBCONTRACTOR NAME	20. WORK DESCRIPTION	21. SUBCONTRACT AMOUNT	23. REMARKS
JACK SAFE	WALL FORMS Installed, Stripped & Cleaned  3 7/8 H.C.	\$10,922.00  327.66	
22. TOTAL SUBCONTRACT COSTS			16,410.76 <del>16,410.76</del>
			24. CONTRACT CEILING AMOUNT \$ 500,000.00
			25. TOTAL ESTIMATED CONTRACT COSTS TO DATE \$ 153,786.58 <del>153,786.58</del>
			26. TOTAL ESTIMATED COSTS TO COMPLETE CONTRACT \$ 346,213.42 <del>346,213.42</del>
I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors which I ordered and authorized from the contractor in the performance of the above-cited contract.			I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors provided by the contractor in the performance of the above-cited contract.
Signature of <del>ERC</del> Representative RAM <i>Daniel M. Caprice</i>	Time Arrived on Scene —	Time Departed —	Signature of Contractor's Authorized Representative <i>Michael C. Hoasfury</i> Date 5/23/84

US ENVIRONMENTAL PROTECTION AGENCY  
HAZARDOUS SUBSTANCE RESPONSE FUND  
CONTRACTOR COST REPORT

CONTRACTOR  
PEDCO ENV.

CONTRACT NUMBER  
63-01-6894

CONTRACTOR PERSONNEL REPORT

ASSIGNMENT NUMBER  
6894-05-008

DATE  
MAY 17, 1984

1. EMPLOYEES ASSIGNED	2. WORK CLASSIFICATION	3. HOURLY LABOR RATE		4. HOURS EMPLOYED		5. BREAK TIME	6. TOTAL HOURS		7. TRAVEL AND SUBSISTENCE COSTS	8. TOTAL PERSONNEL COSTS
		REGULAR	OVERTIME	FROM	TO		REGU-LAR	OVER-TIME		
<del>Mike Hessling</del>	Response Mgr.	52.50	64.10	7:30	18:00		8	2	60	608.20
Tom Dewey	Foreman, Lvl 3.	33.60	<del>44.10</del>	7:30	18:00		8	2		547.20
Gary Heckman	Pipefitter	31.50	42.00	7:30	18:00		8	2		336.00
Roy Hansen	Pipefitter	31.50	42.00	7:30	18:00		8	2		336.00
Loyd Cassbeer	Pipefitter	31.50	42.00	7:30	18:00		8	2		336.00
Doug Roberts	Welder	31.50	42.00	7:30	18:00		8	2		336.00
Pete Barnum	Welder	31.50	42.00	7:30	18:00		8	2		336.00
Bob Pope	Welder	31.50	42.00	7:30	18:00		8	2		336.00
Mike Barnum	Pipefitter	31.50	42.00	16:00	19:00		2	1		63.00
Rich Budrub	EQUIPMENT Op. Lvl 2.	27.80		8:00	16:30		8			222.40
Earl Cummings	FOREMAN Lvl 3	33.60		8:00	16:30		8			268.80
Dennis Heffron	Carpenter	23.10		8:00	16:30		8			184.80
Dennis Combs	Carpenter	23.10		8:00	10:00		2			46.20
Ray Case	Iron Worker	31.50		8:00	16:30		8			252.00
Milo Lashun	Iron Worker	31.50		8:00	16:30		8			252.00
John Baaman	Laborer	15.80		8:00	16:30		8			126.40
Richard Hook	Foreman, Lvl. 3	33.60		8:00	13:00		5			168.00
Herb Smith	Electrician	31.50		7:00	16:30		8			252.00
Scott Rodesiler	Apprentice Electrician	23.40		7:00	16:30		8			187.20
Jim Davis	Truck Driver	18.90		10:30	12:30		2			37.80
Ray Davis	Mechanic	26.30		11:30	12:30		2			52.60
									TOTAL PERSONNEL COSTS	5092.00

(\*) Cost of AM displayed on final



SUBCONTRACTOR REPORT				CONTRACTOR <i>PECO Environmental</i>		CONTRACT NUMBER <i>68-01-1099</i>	
				ASSIGNMENT NUMBER <i>6894-05-008</i>		DATE <i>MAY 17, 1984</i>	
19. SUBCONTRACTOR NAME		20. WORK DESCRIPTION		21. SUBCONTRACT AMOUNT	23. REMARKS		
					<i>8696.43</i> <del>1044</del> <del>1000</del>		
22. TOTAL SUBCONTRACT COSTS				\$	24. CONTRACT CEILING AMOUNT		\$ <i>500,000.00</i>
					25. TOTAL ESTIMATED CONTRACT COSTS TO DATE		<i>162483.01</i> <del>162483.01</del>
					26. TOTAL ESTIMATED COSTS TO COMPLETE CONTRACT		<i>337,516.99</i> <del>337,516.99</del>
I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors which I ordered and authorized from the contractor in the performance of the above-cited contract.				I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors provided by the contractor in the performance of the above-cited contract.			
Signature of <del>EPC</del> Representative <i>RPM</i> <i>Daniel M. Gilbert</i>		Time Arrived on Scene <i>5/23/84</i> <i>15:30</i>		Time Departed <i>18:00</i>		Signature of Contractor's Authorized Representative <i>Michael Hessling</i>	
						Date <i>5/23/84</i>	

US ENVIRONMENTAL PROTECTION AGENCY  
HAZARDOUS SUBSTANCE RESPONSE FUND  
CONTRACTOR COST REPORT

CONTRACTOR  
PEDC Environmental

CONTRACT NUMBER  
68-01-6894

CONTRACTOR PERSONNEL REPORT

ASSIGNMENT NUMBER  
6894-05-008

DATE  
MAY 18, 1984

1. EMPLOYEES ASSIGNED	2. WORK CLASSIFICATION	3. HOURLY LABOR RATE		4. HOURS EMPLOYED		5. BREAK TIME	6. TOTAL HOURS		7. TRAVEL AND SUBSISTENCE COSTS	8. TOTAL PERSONNEL COSTS
		REGULAR	OVERTIME	FROM	TO		REGU-LAR	OVERTIME		
Mike Hessling	Response Manager	52.50	64.10	8:00	18:30	30	8	2	60	608.20
Tom Dewey	Foreman, Level 3	33.60	44.10	07:30	18:00	30	8	2		357.00
Bob Pope	Welder	31.50	42.00	14:00	18:00	-	4			126.00
Harold Burk	Welder	31.50	42.00	14:00	18:00	-	4			126.00
Doug Roberts	Welder	31.50	42.00	07:30	18:00	30	8	2		336.00
Lloyd Casebeer	Pipetfitter	31.50	42.00	07:30	18:00	30	8	2		336.00
Pete Barnum	Welder	31.50	42.00	07:30	18:00	30	8	2		336.00
Mike Barnum	Pipetfitter	31.50	42.00	07:30	18:00	30	8	2		336.00
Roy Hanson	Pipetfitter	31.50	42.00	07:30	18:00	30	8	2		336.00
Gary Heckman	Pipetfitter	31.50	42.00	07:30	18:00	30	8	2		336.00
Rick Budruk	<del>Equip Op</del> Equip Op. 2	27.80	37.80	08:00	16:30	30	8			222.40
Earl Cummings	Foreman Level 3 <sup>(A)</sup>	33.60	44.10	08:00	17:30	30	8	1		312.90
Dennis Heffron	Carpenter	23.10	31.50	08:00	17:30	30	8	1		216.30
Milo Lashua	Carpenter	23.10	31.50	08:00	17:30	30	8	1		216.30
Dennis Comiss	Concrete Laborer	23.10	31.50	08:00	17:30	30	8	1		216.30
Ray Case	Concrete Finisher	<del>31.50</del>	42.00	08:00	17:30	30	8	1		294.00
John Boaman	Concrete Laborer	23.10	31.50	08:00	17:30	30	8	1		216.30
Ray Davis	Equipment Operator	27.80	37.80	08:00	17:00	30	8	1/2		241.30
Jim Davis	Mechanic	26.30	34.70	08:00	17:00	30	8	1/2		227.75
Dick Hooks	Foreman, Level 3 <sup>(A)</sup>	33.60	44.10	09:00	12:00	-	3			100.80
Herb Smith	ELECTRICIAN	31.50	42.00	09:00	12:00	-	3			94.50
Pam Paul	Clerk/Typist	15.80		WEEKLY HRS			10			158.00
									TOTAL PERSONNEL COSTS	5750.05

(A) OSE/PM & RA assigned on field

CONTRACTOR-OWNED EQUIPMENT/MATERIALS REPORT

CONTRACTOR  
 PEDCO Environmental  
 ASSIGNMENT NUMBER  
 6894-05-008

CONTRACT NUMBER  
 68-01-6894  
 DATE  
 MAY 18, 1984

9. EQUIPMENT USED	10. HOURS USED		11. COST PER HOUR	12. TOTAL HOURS	13. TOTAL COST	15. MATERIALS USED	16. QUANTITY	17. TOTAL COST
	FROM	TO						
Welding Machine (Elect.)	7:30	18:00	90/day	day	90.00	CONCRETE	50 yd.	Bill Later
Welding Machine (Gas)	7:30	18:00	90/day	day	90.00	GROUT	3 yd	Bill Later
Welding Machine (Elect.)	7:30	18:00	90/day	day	90.00	STEEL PIPE	Misc.	Bill Later
2 Ton Stake Bal	10:00	14:30	<del>16/hr</del>	day	64.00			
Hand Tools (5 Sets)	7:30	18:00	11/day	day	<del>39.00</del> *			
Front End Loader	7:30	18:00	331/day	day	331.00			
Cutting Torches (2)	7:30	18:00	50/day	day	100.00			
Grinding Machine	7:30	18:00	45/day	day	45.00			
Welding Stands (3 Sets)	7:30	18:00	15/day	day	45.00**			
Band Saw	7:30	18:00	20/day	day	20.00			
50 Ton Crans	8:00	15:30	85/hr	day <sup>7</sup>	595.00			
Concrete Bucket, 1yd	8:00	15:30	35/day	day <sup>7</sup>	35.00			
2 Ton Stake Bal	7:30	18:00	80/day	day	40.00***			
Hand Tools	7:30	18:00	11/day	day	—			
Concrete Vibrator	7:30	18:00	30/day	day	30.00			
EQUIPMENT TRUCK	8:00	13:30	<del>14/hr</del>	5	70.00			
HAND TOOLS	7:30	18:00	11/day	day	—			
TRANSIT	8:00	12:00	35/day	4hr	35.00			
SIDE GRINDERS	7:30	18:00	11/day	day	22.00			

14. TOTAL EQUIPMENT COSTS

1731

15. TOTAL MATERIAL COSTS

— 0 —

EPA Form 1900-85 (1-82) \* 4 Sets now on weekly  
 \*\*\* 2 Sets counting as weekly  
 \* - \* Weekly Rate

1742

Original - On-Scene Coordinator  
 Copy 1 - Contractor  
 Copy 2 - Procurement

SUBCONTRACTOR REPORT				CONTRACTOR PEDC. ENV		CONTRACT NUMBER 68-01-194	
				ASSIGNMENT NUMBER 6894-05-008		DATE May 18, 1984	
19. SUBCONTRACTOR NAME	20. WORK DESCRIPTION	21. SUBCONTRACT AMOUNT	23. REMARKS				
			7481.05 <del>7481.05</del>				
			24. CONTRACT CEILING AMOUNT		\$500,000.		
			25. TOTAL ESTIMATED CONTRACT COSTS TO DATE		\$169,964.06 <del>169,964.06</del>		
22. TOTAL SUBCONTRACT COSTS					26. TOTAL ESTIMATED COSTS TO COMPLETE CONTRACT		
					\$330,035.44 <del>330,035.44</del>		
I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors which I ordered and authorized from the contractor in the performance of the above-cited contract.				I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors provided by the contractor in the performance of the above-cited contract.			
Signature of OSC Representative		Time Arrived on Scene	Time Departed	Signature of Contractor's Authorized Representative		Date	
<i>Dennis M. Caplan</i>		5/31/84	7:30	18:30	<i>Michael J. [Signature]</i>		5/31/84





CONTRACTOR-OWNED EQUIPMENT/MATERIALS REPORT

CONTRACTOR

PEDCO ENR

CONTRACT NUMBER

68-01-6894

ASSIGNMENT NUMBER

6894-05-008

DATE

May 19, 1984

9. EQUIPMENT USED	10. HOURS USED		11. COST PER HOUR	12. TOTAL HOURS	13. TOTAL COST	15. MATERIALS USED	16. QUANTITY	17. TOTAL COST
	FROM	TO						
5 Welding Machine	7:30	18:00	90./day	day	80.00*	Fuel	15 gal	18.75
5 Welding Machine	7:30	18:00	90./day	day	80.00*			
4 Welding Machine	7:30	18:00	90./day	day	90.00			
1 Welding Machine	7:30	18:00	90./day	day	90.00			
LADDERS (3)	7:30	18:00	5./day	day	15.00			
HAND TOOLS (3 Sets)	7:30	18:00	11./day	day	<del>11.00</del> **			
Welding Stands (4 Sets)	7:30	18:00	15./day	day	30.00***			
SIDE GRINDERS (2)	7:30	18:00	11./day	day	22.00			
CUTTING TORCH	7:30	18:00	50./day	day	50.00			
CUTTING TORCH	7:30	18:00	50./day	day	50.00			
GROOVING MACHINE	7:30	18:00	45./day	day	45.00			
FRONT END LOADER	7:30	16:30	331./day	8(day)	331.00			
15-TON CRANE	16:00	18:00	50./hr.	2	100.00			
14. TOTAL EQUIPMENT COSTS					994.00	15. TOTAL MATERIAL COSTS		19.32

3% H.C.

.57

\* Converting to weekly rate  
 \*\* 4 sets already weekly  
 \*\*\* 3rd set going to weekly rate

**SUBCONTRACTOR REPORT**

CONTRACTOR <b>PEDC ENVIRONMENTAL</b>	CONTRACT NUMBER <b>68-01-099</b>
ASSIGNMENT NUMBER <b>6894-05-008</b>	DATE <b>MAY 19, 1984</b>

19. SUBCONTRACTOR NAME	20. WORK DESCRIPTION	21. SUBCONTRACT AMOUNT	23. REMARKS
			7136.52
22. TOTAL SUBCONTRACT COSTS			\$
			24. CONTRACT CEILING AMOUNT
			\$500,000.00
			25. TOTAL ESTIMATED CONTRACT COSTS TO DATE
			\$177,100.58
			26. TOTAL ESTIMATED COSTS TO COMPLETE CONTRACT
			<del>322,897.42</del>

I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors which I ordered and authorized from the contractor in the performance of the above-cited contract.

I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors provided by the contractor in the performance of the above-cited contract.

Signature of OSC Representative <i>David M. Caplice</i>	Time Arrived on Scene 8:00	Time Departed 18:00	Signature of Contractor's Authorized Representative <i>Michael J. [Signature]</i>	Date 5/31/84
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US ENVIRONMENTAL PROTECTION AGENCY HAZARDOUS SUBSTANCE RESPONSE FUND CONTRACTOR COST REPORT				CONTRACTOR PEDCO ENVIRONMENTAL			CONTRACT NUMBER 68-01-6894			
CONTRACTOR PERSONNEL REPORT				ASSIGNMENT NUMBER 6894-05-008			DATE MAY 20, 1984			
1. EMPLOYEES ASSIGNED	2. WORK CLASSIFICATION	3. HOURLY LABOR RATE		4. HOURS EMPLOYED		5. BREAK TIME	6. TOTAL HOURS		7. TRAVEL AND SUBSISTENCE COSTS	8. TOTAL PERSONNEL COSTS
		REGULAR	OVERTIME	FROM	TO		REGU-LAR	OVER-TIME		
Mike Hessling	Response Manager		64.10	8:45	16:00			8	60	572.80
Tom Dewey	Foreman Level 3		44.10	07:30	16:00	30		8		352.80
Doug Roberts	Foreman Level 3		44.10	07:30	16:00	30		8		352.80
Al Brockway	Pipefitter		42.00	07:30	16:00	30		8		334.00
Gary Heckman	Pipefitter		42.00	07:30	16:00	30		8		336.00
Roy Hanson	Pipefitter		42.00	07:30	16:00			8		336.00
Bill Williams	Welder		42.00	07:30	16:00			8		336.00
Scott Buck	Pipefitter		42.00	07:30	16:00			8		334.00
Pete Barnum	Welder		42.00	07:30	16:00			8		334.00
Mike Barnum	Pipefitter		42.00	07:30	16:00			8		336.00
Bill Smith	Welder		42.00	07:30	16:00 <sup>1 3/4</sup>			8 <sup>5/8</sup>		231.00
Terry Jasper	Pipefitter		42.00	07:30	16:00			8		336.00
Lloyd Casebeer	Pipefitter		42.00	07:30	16:00			8		334.00
Howard Westrick	Pipefitter		42.00	07:30	16:00			8		334.00
Bob Pope	Pipefitter		42.00	07:30	16:00			8		336.00
Harold Burk	Welder		42.00	07:30	16:00			8		336.00
Larry Ankam	Equipment Op. Lvl. 2		37.80	17:30	16:00			8		302.40
									TOTAL PERSONNEL COSTS	5843.80

① *RAM/OS & RM charges on level.*

CONTRACTOR-OWNED EQUIPMENT/MATERIALS REPORT

CONTRACTOR  
PEOC - ENVIRONMENTAL  
ASSIGNMENT NUMBER  
6894-05-009

CONTRACT NUMBER  
68-01-6894  
DATE  
MAY 20, 1984

9. EQUIPMENT USED	10. HOURS USED		11. COST PER HOUR	12. TOTAL HOURS	13. TOTAL COST	15. MATERIALS USED	16. QUANTITY	17. TOTAL COST
	FROM	TO						
6 Welding Machine	7:30	16:00	90/day	day	— *	Fuel	16 gal	20.00
6 Welding Machine	7:30	16:00	90/day	day	— *			
5 Welding Machine	7:30	16:00	90/day	day	80.00*			
2 Welding Machine	7:30	16:00	90/day	day	90.00			
1 Welding Machine	7:30	16:00	90/day	day	90.00			
4 Grading Machine	7:30	16:00	45/day	day	45.00			
17 Hand Tools (6 Sets)	7:30	16:00	11/day	day	20.00**	3% H.C.		.60
21 Ladders (3)	7:30	16:00	5/day	day	15.00			
22 Side Grinders (2)	7:30	16:00	11/day	day	22.00			
23 Front End Loader	8:00	11:00	47/hr	1 1/3	141.00			
24 Crows -15 Ton	18:00	16:00	50/hr	1 1/5	250.00			
25 Welding Stencils (5sets)	7:30	16:00	15/day	day	30.00***			
14. TOTAL EQUIPMENT COSTS * Weekly Rate ** Fifth Set to Weekly Rate					783.00	15. TOTAL MATERIAL COSTS		20.60

**SUBCONTRACTOR REPORT**

CONTRACTOR <b>PEDC. ENVIRON.</b>	CONTRACT NUMBER <b>68-01-899</b>
ASSIGNMENT NUMBER <b>6899-05-008</b>	DATE <b>MAY 20, 1984</b>

19. SUBCONTRACTOR NAME	20. WORK DESCRIPTION	21. SUBCONTRACT AMOUNT	23. REMARKS
22. TOTAL SUBCONTRACT COSTS			6647.40
24. CONTRACT CEILING AMOUNT			\$500,000.00
25. TOTAL ESTIMATED CONTRACT COSTS TO DATE			\$183,747.98
26. TOTAL ESTIMATED COSTS TO COMPLETE CONTRACT			\$316,252.02

I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors which I ordered and authorized from the contractor in the performance of the above-cited contract.

I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors provided by the contractor in the performance of the above-cited contract.

Signature of O&C Representative <i>Daniel M. Caplow</i>	Time Arrived on Scene <b>7:30</b>	Time Departed <b>16:00</b>	Signature of Contractor's Authorized Representative <i>Michael C. Hoefling</i>	Date <b>5/31/84</b>
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CONTRACTOR-OWNED EQUIPMENT/MATERIALS REPORT

CONTRACTOR  
 PEDCO Environmental  
 ASSIGNMENT NUMBER  
 6899-05-008

CONTRACT NUMBER  
 68-01-6899  
 DATE  
 MAY 21, 1984

9. EQUIPMENT USED	10. HOURS USED		11. COST PER HOUR	12. TOTAL HOURS	13. TOTAL COST	15. MATERIALS USED	16. QUANTITY	17. TOTAL COST
	FROM	TO						
Welding Machine	7:30	17:00	90/day	day	—	Fuel	8 gal	10.00
Welding Machine	7:30	17:00	90/day	day	—	STEEL PIPE FITTINGS	Misc	Bill Later
Welding Machine	7:30	17:00	90/day	day	—			
Ladders (3)	7:30	17:00	5/day	day	15.00			
Hand Tools (4 Sets)	7:30	17:00	11/day	day	22.00			
Side Grinders (2)	7:30	17:00	11/day	day	18.00			
Grooving Machine	7:30	17:00	45/day	day	20.00			
Front End Loader	8:00	10:00	47/hr	2	94.00			
Crane 15 Ton	10:00	16:30	50/hr	6	300.00	3% H.C		.30
Welding Stands (3 Sets)	7:30	17:00	15/day	day	—			
Band Saw	7:30	17:00	20/day	day	20.00			
Power Throat	7:30	17:00	20/day	day	20.00			
Stake Bed, 2 Ton	8:00	12:00	16/hr	4	64.00			
Hand Tools	7:30	17:00	11/day	day	11.00			
EQUIPMENT TRUCK	7:30	17:00	75/day	day	75.00			
STAKE BED, 2 TON	14:00	15:00	16/hr	1	16.00			
<del>XXXXXXXXXX</del>								
50 TON CRANE	14:00	15:00	85/hr	1	85.00			
14. TOTAL EQUIPMENT COSTS					\$ 760.00	15. TOTAL MATERIAL COSTS		\$ 10.30



**SUBCONTRACTOR REPORT**

CONTRACTOR <b>PEDC. ENVIRONMENTAL</b>	CONTRACT NUMBER <b>68-01-60A</b>
ASSIGNMENT NUMBER <b>6894-05-008</b>	DATE <b>MAY 21 1984</b>

19. SUBCONTRACTOR NAME	20. WORK DESCRIPTION	21. SUBCONTRACT AMOUNT	23. REMARKS
22. TOTAL SUBCONTRACT COSTS			\$ 479,130
24. CONTRACT CEILING AMOUNT			\$ 500,000.00
25. TOTAL ESTIMATED CONTRACT COSTS TO DATE			\$ 188,539.28
26. TOTAL ESTIMATED COSTS TO COMPLETE CONTRACT			\$ 311,460.72

I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors which I ordered and authorized from the contractor in the performance of the above-cited contract.

I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors provided by the contractor in the performance of the above-cited contract.

Signature of OSC Representative <i>Daniel M. Caplice</i> 5/31/84	Time Arrived on Scene 7:30	Time Departed 17:00	Signature of Contractor's Authorized Representative <i>Michael J. Hoffing</i>	Date 5/31/84
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CONTRACTOR-OWNED EQUIPMENT/MATERIALS REPORT

CONTRACTOR  
PEDCO ENVIRONMENTAL  
ASSIGNMENT NUMBER  
6894-06-008

CONTRACT NUMBER  
68-01-6894  
DATE  
MAY 22 1984

9. EQUIPMENT USED	10. HOURS USED		11. COST PER HOUR	12. TOTAL HOURS	13. TOTAL COST	16. MATERIALS USED	16. QUANTITY	17. TOTAL COST
	FROM	TO						
Welding Machine	8:00	16:30	90/day	day	90.00	STEEL PIPE FITINGS	Misc	Bill LATER
Welding Machine	8:00	16:30	90/day	day	90.00	ELECTRICAL SUPPLIES	Misc	Bill LATER
Welding Machine	8:00	16:30	90/day	day	—			
Side Grinders (2)	8:00	16:30	11/day	day	—			
Hand Tools (4 sets)	8:00	16:30	11/day	day	44.00			
Ladders (3)	8:00	16:30	5/day	day	15.00			
Power Threader	8:00	16:30	20/day	day	20.00			
CRANE - 15 TON	8:00	12:00	50/hr	4	200.00			
FRONT END LOADER	12:30	16:30	47/hr	4	188.00			
STAKE BED, 2 TON	8:00	16:30	80/day	day	80.00			
Welding Stands (3 sets)	8:00	16:30	15/day	day	30.00			
2" Electric submersible	8:00	16:30	55/day	day	—			
EQUIPMENT TRUCK	8:00	16:30	75/day	day	75.00			
HAND TOOLS	8:00	16:30	11/day	day	11.00			
STAKE BED 2 TON	8:00	16:30	80/day	5 day	80.00			
HAND TOOLS	8:00	16:30	11/day	5 day	11.00			
14. TOTAL EQUIPMENT COSTS					\$ 934.00	16. TOTAL MATERIAL COSTS		\$ - 0 -

**SUBCONTRACTOR REPORT**

CONTRACTOR <b>PEDCO ENVIRONMENTAL</b>	CONTRACT NUMBER <b>68-01-6 JA</b>
ASSIGNMENT NUMBER <b>6894-05-008</b>	DATE <b>MAY 23, 1984</b>

19. SUBCONTRACTOR NAME	20. WORK DESCRIPTION	21. SUBCONTRACT AMOUNT	23. REMARKS
			4750.30
22. TOTAL SUBCONTRACT COSTS			\$
			24. CONTRACT CEILING AMOUNT
			\$500,000.00
			25. TOTAL ESTIMATED CONTRACT COSTS TO DATE
			\$193,289.58
			26. TOTAL ESTIMATED COSTS TO COMPLETE CONTRACT
			\$306,710.42

I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors which I ordered and authorized from the contractor in the performance of the above-cited contract.

Signature of OSC Representative  
*Daniel M. Caplice* 5/31/84

Time Arrived on Scene —	Time Departed —
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I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors provided by the contractor in the performance of the above-cited contract.

Signature of Contractor's Authorized Representative  
*Michael J. [Signature]*

Date  
5/31/84

(TAT ON SITE)  
8:00 → 16:30



CONTRACTOR-OWNED EQUIPMENT/MATERIALS REPORT

CONTRACTOR  
PEDCO ENVIRONMENTAL  
ASSIGNMENT NUMBER  
6844-05-008

CONTRACT NUMBER  
68-01-0894  
DATE  
MAY 23 1984

9. EQUIPMENT USED	10. HOURS USED		11. COST PER HOUR	12. TOTAL HOURS	13. TOTAL COST	15. MATERIALS USED	16. QUANTITY	17. TOTAL COST
	FROM	TO						
Welding Machine	8:00	16:30	90/day	day	90.00	Fuel	8 gal	10.00
Welding Machine	8:00	16:30	90/day	day	90.00	Valves & Fittings	Misc.	Bill Later
Welding Machine	8:00	16:30	90/day	day	90.00	Transformer	1	Bill Later
Hand Tools (4 Sets)	8:00	16:30	11/day	day	44.00			
Welding Stands (3 Sets)	8:00	16:30	15/day	day	45.00			
Ladders (3)	8:00	16:30	5/day	day	<del>55.00</del> -			
Side Grinders (2)	8:00	16:30	11/day	day	-			
Stake Bed (2 Ton)	8:00	16:30	80/day	day	80.00			
2" Elect. Submersibles	8:00	16:30	55/day	day	55.00	37. H.C.		-30
Stake Bed, 2 Ton	8:00	16:30	80/day	day	80.00			
Hand Tools	8:00	16:30	11/day	day	11.00			
Heat Torch	8:00	10:00	8/hr	2	16.00			
EQUIPMENT TRUCK	8:00	16:30	75/day	day	75.00			
HAND TOOLS	8:00	16:30	11/day	day	11.00			
14. TOTAL EQUIPMENT COSTS				\$ 1407.00		15. TOTAL MATERIAL COSTS		\$ 10.30

SUBCONTRACTOR REPORT

CONTRACTOR <i>PEFCO Environmental</i>	CONTRACT NUM <i>68-01-6894</i>
ASSIGNMENT NUMBER <i>6894-05-008</i>	DATE <i>May 23, 1984</i>

19. SUBCONTRACTOR NAME	20. WORK DESCRIPTION	21. SUBCONTRACT AMOUNT	23. REMARKS
<i>Kelly Co.</i>	<i>Waterproofing Concrete Walls</i>	<i>BILL LATER</i>	
			<i>4522.05</i>
22. TOTAL SUBCONTRACT COSTS			24. CONTRACT CEILING AMOUNT <i>\$500,000.00</i>
			25. TOTAL ESTIMATED CONTRACT COSTS TO DATE <i>\$197,811.63</i>
			26. TOTAL ESTIMATED COSTS TO COMPLETE CONTRACT <i>\$302,188.37</i>

I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors which I ordered and authorized from the contractor in the performance of the above-cited contract.

I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors provided by the contractor in the performance of the above-cited contract.

Signature of OSC Representative <i>Daniel M. Gallo</i>	Time Arrived on Scene <i>5/31/84</i>	Time Departed <i>TOT representative</i>	Signature of Contractor's Authorized Representative <i>Michael C. [Signature]</i>	Date
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US ENVIRONMENTAL PROTECTION AGENCY  
HAZARDOUS SUBSTANCE RESPONSE FUND  
CONTRACTOR COST REPORT

CONTRACTOR  
PEDCO Environmental

CONTRACT NUM.  
68-01-6894

CONTRACTOR PERSONNEL REPORT

ASSIGNMENT NUMBER  
6894-05-002

DATE  
Mar 24, 1984

1. EMPLOYEES ASSIGNED	2. WORK CLASSIFICATION	3. HOURLY LABOR RATE		4. HOURS EMPLOYED		5. BREAK TIME	6. TOTAL HOURS		7. TRAVEL AND SUBSISTENCE COSTS	8. TOTAL PERSONNEL COSTS
		REGULAR	OVERTIME	FROM	TO		REGU-LAR	OVER-TIME		
Mike Hessling	Response Manager	52.50		8:00	16:30		8		60	480.00
Tom Dewey	FOREMAN LVL. 3	33.60		8:00	16:30		8			268.80
Doug Roberts	Welder	31.50		8:00	16:30		8			252.00
Loyd Casebeer	Pipelitter	31.50		8:00	16:30		8			252.00
Dick Hook	FOREMAN LVL. 3	33.60		8:00	16:30		8			268.80
Herb Smith	ELECTRICIAN	31.50		8:00	16:30		8			252.00
Larry Greenfield	ELECTRICIAN	31.50		8:00	16:30		8			252.00
DENNIS HEFFRON	FOREMAN LVL. 2 TRUCK DRIVER	30.90 18.90	41.00 27.30	8:00	23:30		8	6		448.80
JOHN BOAMAN	LABORER	15.80	21.50	8:00	27:20		8	1		147.90
RAY CASE	CARPENTER	23.10	31.50	8:00	17:30		8	1		216.30
JACK VINSON	Foreman, Lvl. 3	33.60		8:00	16:30		8			268.80
Dewey Waterman	Equipment Op. Lvl. 2	27.80		8:00	16:30		8			222.40
Greg Robertson	Equipment Op. Lvl. 2	27.80		8:00	16:30		8			222.40
Ray Orns	Pipesetter	23.10		8:00	16:30		8			184.80
Jr. Orns	Pipesetter	23.10		8:00	16:30		8			184.80
									TOTAL PERSONNEL COSTS	3921.60

① RPM loss and RM damage on level.



CONTRACTOR-OWNED EQUIPMENT/MATERIALS REPORT

CONTRACTOR  
PEDCO Environmental  
ASSIGNMENT NUMBER  
6894-05-008

CONTRACT NUMB.  
68-01-6894  
DATE  
May 24, 1984

9. EQUIPMENT USED	10. HOURS USED		11. COST PER HOUR	12. TOTAL HOURS	13. TOTAL COST	15. MATERIALS USED	16. QUANTITY	17. TOTAL COST
	FROM	TO						
Loader, Wheel, 1.5 yd equiv	8:00	16:30	331/day	8	331.00	Saw Blades	H 5	25.00
Backhoe Cat 225 equiv	8:00	16:30	478/day	8	478.00	Mortar Mix	H 3 bags	Bill Later
Dozer	8:00	12:00	40/hr	4	160.00	Top Soil	H 4 yd.	Bill Later
Stake bed, 1 Ton	8:00	16:30	75/day	day	75.00	Fuel	H 25 gal	31.25
Pick-up Truck	8:00	16:30	58/day	day	58.00	Fuel	HP 8 gal	10.00
Hand Tools	8:00	16:30	11/day	day	11.00	Fuel	M	18.85
Welding Machine	8:00	16:30	90/day	day	90.00	Concrete	1 yd	Bill Later
Cutting Torch	8:00	16:30	50/day	day	50.00	Lumber	C Misc.	Bill Later
Hand Tools	8:00	16:30	11/day	day	11.00			
Ladders (3)	8:00	16:30	5/day	day	—			
2-Ton Stake Bed	8:00	16:30	80/day	day	80.00			
Lift Truck - 30'	8:00	16:30	300/day	day	300.00			
EQUIPMENT TRUCK	8:00	16:30	75.00/day	day	75.00			
HAND TOOLS	8:00	16:30	11/day	day	11.00			
2 Ton Stake Bed	8:00	16:30	80/day	day	80.00			
Concrete Vibrator	13:00	15:00	30/day	2	30.00			
Hand Tools	8:00	16:30	11/day	day	11.00			
2" Elect. Submersible	8:00	16:30	55/day	day	55.00			
14. TOTAL EQUIPMENT COSTS					\$ 1902.00	18. TOTAL MATERIAL COSTS		\$ 87.66

SUBTOTAL  
5% HC

SUBCONTRACTOR REPORT				CONTRACTOR PEDCO ENVIRONMENTAL	CONTRACT NUMBER 68-01-6894
				ASSIGNMENT NUMBER 6894-05-008	DATE MAY 24, 1984
19. SUBCONTRACTOR NAME	20. WORK DESCRIPTION	21. SUBCONTRACT AMOUNT	23. REMARKS		
					5911.46
				24. CONTRACT CEILING AMOUNT	\$500,000
				25. TOTAL ESTIMATED CONTRACT COSTS TO DATE	\$203,723.09
22. TOTAL SUBCONTRACT COSTS			\$	26. TOTAL ESTIMATED COSTS TO COMPLETE CONTRACT	\$206,276.91
I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors which I ordered and authorized from the contractor in the performance of the above-cited contract.			I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors provided by the contractor in the performance of the above-cited contract.		
Signature of OSC Representative <i>David M. Caplice</i>		Time Arrived on Scene <i>6/7/84</i>	Time Departed <i>Left on scene. 8:00-16:30</i>	Signature of Contractor's Authorized Representative <i>Michael J. [unclear]</i>	
				Date <i>6/7/84</i>	

US ENVIRONMENTAL PROTECTION AGENCY HAZARDOUS SUBSTANCE RESPONSE FUND CONTRACTOR COST REPORT				CONTRACTOR PEDCO Environmental			CONTRACT NUMBER 68-01-6894			
CONTRACTOR PERSONNEL REPORT				ASSIGNMENT NUMBER 6894-05-008			DATE May 25, 1984			
1. EMPLOYEES ASSIGNED	2. WORK CLASSIFICATION	3. HOURLY LABOR RATE		4. HOURS EMPLOYED		5. BREAK TIME	6. TOTAL HOURS		7. TRAVEL AND SUBSISTENCE COSTS	8. TOTAL PERSONNEL COSTS
		REGULAR	OVERTIME	FROM	TO		REGULAR	OVERTIME		
Mike Hessling	Response Manager	52.50		8:00	16:30		8		60	48000
Jack Vinson	Foreman Lvl. 3	33.60	44.10	7:30	7:130		8	1/2		290.85
Dewey Waterman	Equipment Op. Lvl. 2	27.80		8:00	16:30		8			222.40
Greg Robertson	Equipment Op. Lvl. 2	27.80		8:00	16:30		8			222.40
Ray Orns	Pipesetter	23.10	31.50	7:30	16:30		8	1/2		200.55
Jr. Orns	Pipesetter	23.10	31.50	7:30	16:30		8	1/2		200.55
Tom Dewey	Foreman Lvl 3	33.60		8:00	16:30		8			268.80
Doug Roberts	Welder	31.50		8:00	16:30		8			252.00
Loyd Casebeer	Pipefitter	31.50		8:00	16:30		8			252.00
Dennis Heffron	Foreman Level 2	33.60		8:00	14:30		6			201.60
Ray Case	Carpenter	23.10		8:00	14:30		6			138.60
John Boeman	Labourer	15.80		8:00	14:30		6			126.40
Dick Hook	Foreman Lvl. 3	33.60	44.10	7:30	17:00		8	1		312.90
Herb Smith	Electrician	31.50	42.00	7:30	17:00		8	1		294.00
									TOTAL PERSONNEL COSTS	3463.05

Ⓜ Release and SM disagree on level

CONTRACTOR-OWNED EQUIPMENT/MATERIALS REPORT

CONTRACTOR  
PEDCO Environmental  
ASSIGNMENT NUMBER  
6894-05-008

CONTRACT NUMBER  
68-01-6894  
DATE  
MAY 25, 1984

9. EQUIPMENT USED	10. HOURS USED		11. COST PER HOUR	12. TOTAL HOURS	13. TOTAL COST	15. MATERIALS USED	16. QUANTITY	17. TOTAL COST
	FROM	TO						
Loader, Wheel, 1.5 yd.	8:00	16:30	331/day	8	331.00	Concrete	7.5 yd	Bill Later
Backhoe, Cat 225 equiv.	8:00	12:00	68/hr	4	272.00	Grating		Bill Later
Dozer	8:00	16:30	40 <sup>245/day</sup> /hr	8	295.00	Fuel	4 25 gal	31.25
1 Ton Stake Bal	8:00	16:30	75/day	day	75.00	Fuel	HP 3 gal	3.75
Pick Up Truck	8:00	16:30	58/day	day	58.00	Sump Pump	1	Bill Later
Hand Tools	8:00	16:30	11/day	day	11.00	Grating Supports	4 pc.	Bill Later
Stake Bal 2 Ton	8:00	16:30	80/day	day	80.00	Steel Gratings	10 pc.	Bill Later
Hand Tools	8:00	16:30	11/day	day	9.00			
Equipment Truck	8:00	16:30	75/day	day	15.00			
Hand Tools	8:00	16:30	11/day	day	—			
Welding Machine	8:00	11:00	14/hr	3	42.00			
Hand Tools	8:00	16:30	11/day	day	—	SUBTOTAL		35.00
Ladders (2)	8:00	16:30	5/day	day	—			
Passenger Sedan	8:00	16:30	51/day	day	51.00			
"	—	—	.16/mile	280 mi	44.80	3% H.C.		1.05
CARBON UNITS 20,000*(4)	—	—	3525/mo		10340.00*			
14. TOTAL EQUIPMENT COSTS * Reconciled to Monthly					14623.80 +283.8	15. TOTAL MATERIAL COSTS		36.05

**SUBCONTRACTOR REPORT**

CONTRACTOR  
 PEDCO Environmental  
 ASSIGNMENT NUMBER  
 6894-05-008

CONTRACT NUMBER  
 68-01-6894  
 DATE  
 MAY 25, 1984

19. SUBCONTRACTOR NAME	20. WORK DESCRIPTION	21. SUBCONTRACT AMOUNT	23. REMARKS
			15,222.90
22. TOTAL SUBCONTRACT COSTS			\$
			24. CONTRACT CEILING AMOUNT \$500,000.00
			25. TOTAL ESTIMATED CONTRACT COSTS TO DATE \$218,845.99
			26. TOTAL ESTIMATED COSTS TO COMPLETE CONTRACT \$281,154.01

I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors which I ordered and authorized from the contractor in the performance of the above-cited contract.

I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors provided by the contractor in the performance of the above-cited contract.

Signature of <sup>SM</sup> Representative <i>David M. Caples</i> 6/7/84	Time Arrived on Scene 10:30	Time Departed 16:30	Signature of Contractor's Authorized Representative <i>Michael C. Springfield</i>	Date 6/7/84
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US ENVIRONMENTAL PROTECTION AGENCY  
HAZARDOUS SUBSTANCE RESPONSE FUND  
CONTRACTOR COST REPORT

CONTRACTOR  
PEDCO Environmental

CONTRACT NUMBER  
68-01-6894

CONTRACTOR PERSONNEL REPORT

ASSIGNMENT NUMBER  
6894-05-008

DATE  
MAY 29, 1984

1. EMPLOYEES ASSIGNED	2. WORK CLASSIFICATION	3. HOURLY LABOR RATE		4. HOURS EMPLOYED		5. BREAK TIME	6. TOTAL HOURS		7. TRAVEL AND SUBSISTENCE COSTS	8. TOTAL PERSONNEL COSTS
		REGULAR	OVERTIME	FROM	TO		REGU-LAR	OVER-TIME		
Dick Heck	Foreman Lvl 3	33.60					6.5			218.40
Herb Smith	Electrician	31.50					4.5			201.75
Earl Cummings	Foreman Lvl. 3	33.60					1			33.60
Dennis Heffron	Carpenter	23.10					1			23.10
									TOTAL PERSONNEL COSTS	479.85

**CONTRACTOR-OWNED EQUIPMENT/MATERIALS REPORT**

CONTRACTOR  
 PEDCO Environmental  
 ASSIGNMENT NUMBER  
 6894-05-008

CONTRACT NUMBER  
 68-01-6894  
 DATE  
 MAY 29, 1984

9. EQUIPMENT USED	10. HOURS USED		11. COST PER HOUR	12. TOTAL HOURS	13. TOTAL COST	15. MATERIALS USED	16. QUANTITY	17. TOTAL COST
	FROM	TO						
Equipment Truck			14/hr 75/day	6.5	75.00			
Hand Tools			11/day	6.5	11.00			
14. TOTAL EQUIPMENT COSTS					\$ 85.00	18. TOTAL MATERIAL COSTS		

SUBCONTRACTOR REPORT				CONTRACTOR PEDCO ENVIRONMENTAL	CONTRACT NUMBER 68-01-6894
				ASSIGNMENT NUMBER 6894-03-008	DATE MAY 29, 1984
19. SUBCONTRACTOR NAME	20. WORK DESCRIPTION	21. SUBCONTRACT AMOUNT	23. REMARKS		
			564.85		
22. TOTAL SUBCONTRACT COSTS			\$	24. CONTRACT CEILING AMOUNT	\$500,000.00
				25. TOTAL ESTIMATED CONTRACT COSTS TO DATE	\$219,410.84
				26. TOTAL ESTIMATED COSTS TO COMPLETE CONTRACT	\$780,589.16
I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors which I ordered and authorized from the contractor in the performance of the above-cited contract.			I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors provided by the contractor in the performance of the above-cited contract.		
Signature of O&E Representative RPM <i>Denise M. Caplan</i> 6/7/84		Time Arrived on Scene —	Time Departed —	Signature of Contractor's Authorized Representative <i>Michael C. Hessling</i>	
				Date 6/7/84	



US ENVIRONMENTAL PROTECTION AGENCY HAZARDOUS SUBSTANCE RESPONSE FUND CONTRACTOR COST REPORT				CONTRACTOR PEDCO Environmental			CONTRACT NUMBER 68-01-6899				
CONTRACTOR PERSONNEL REPORT				ASSIGNMENT NUMBER 6899-05-008			DATE MAY 30, 1984				
1. EMPLOYEES ASSIGNED	2. WORK CLASSIFICATION	3. HOURLY LABOR RATE		4. HOURS EMPLOYED		5. BREAK TIME	6. TOTAL HOURS		7. TRAVEL AND SUBSISTENCE COSTS	8. TOTAL PERSONNEL COSTS	
		REGULAR	OVERTIME	FROM	TO		REGULAR	OVERTIME			
Mike Hessling	Response Mgr.	52.50		8:00	16:30		8		60*	480.00	
Earl Cumming	Foreman Lvl. 3	33.60		8:30	16:30		8			268.80	
Dennis Heffron	Carpenter	23.10		8:30	16:30		8			184.80	
Ray Case	Carpenter	23.10		8:30	16:30		8			184.80	
Dick Hook	Foreman Lvl. 3	33.60		8:00	16:30		8			268.80	
Herb Smith	<del>Electrician</del> Electrician	31.50		8:00	16:30		8			252.00	
* Airline Ticket will be billed Later										TOTAL PERSONNEL COSTS	1639.20

**CONTRACTOR-OWNED EQUIPMENT/MATERIALS REPORT**

CONTRACTOR  
 PEDCO Environmental  
 ASSIGNMENT NUMBER  
 6899-05-008

CONTRACT NUMBER  
 68-01-6894  
 DATE  
 May 30, 1984

9. EQUIPMENT USED	10. HOURS USED		11. COST PER HOUR	12. TOTAL HOURS	13. TOTAL COST	15. MATERIALS USED	16. QUANTITY	17. TOTAL COST
	FROM	TO						
M 2-Ton Stake Bed	8:30	16:30	80/day	day	80.00	Lumber		Bill Later
M Hand Tools	8:30	16:30	11/day	day	11.00			
U 30' Lift Truck	8:00	16:30	300/day	day	300.00			
U Equipment Truck	8:00	16:30	75/day	day	75.00			
U Hand Tools	8:00	16:30	11/day	day	11.00			
14. TOTAL EQUIPMENT COSTS					\$ 477.00	18. TOTAL MATERIAL COSTS		\$

**SUBCONTRACTOR REPORT**

CONTRACTOR  
 PEDCO Environmental  
 ASSIGNMENT NUMBER  
 6899 - 05 - 008

CONTRACT NUMBER  
 68 - 01 - 6899  
 DATE  
 MAY 30, 1984

19. SUBCONTRACTOR NAME	20. WORK DESCRIPTION	21. SUBCONTRACT AMOUNT	23. REMARKS
			2116.20
22. TOTAL SUBCONTRACT COSTS			24. CONTRACT CEILING AMOUNT \$ 500,000.00
			25. TOTAL ESTIMATED CONTRACT COSTS TO DATE \$ 221,527.04

22. TOTAL SUBCONTRACT COSTS	\$	26. TOTAL ESTIMATED COSTS TO COMPLETE CONTRACT	\$ 278,472.96
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I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors which I ordered and authorized from the contractor in the performance of the above-cited contract.

I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors provided by the contractor in the performance of the above-cited contract.

Signature of <sup>RAM</sup> Representative <i>David M. Caplice</i>	Time Arrived on Scene 8:00	Time Departed 16:30	Signature of Contractor's Authorized Representative <i>Michael C. Resch</i>	Date 6/7/84
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US ENVIRONMENTAL PROTECTION AGENCY HAZARDOUS SUBSTANCE RESPONSE FUND CONTRACTOR COST REPORT				CONTRACTOR PEDCO Environmental			CONTRACT NUMBER 68-01-6894			
CONTRACTOR PERSONNEL REPORT				ASSIGNMENT NUMBER 6894-05-008			DATE MAY 31 1984			
1. EMPLOYEES ASSIGNED	2. WORK CLASSIFICATION	3. HOURLY LABOR RATE		4. HOURS EMPLOYED		5. BREAK TIME	6. TOTAL HOURS		7. TRAVEL AND SUBSISTENCE COSTS	8. TOTAL PERSONNEL COSTS
		REGULAR	OVERTIME	FROM	TO		REGU-LAR	OVER-TIME		
Mike Hassling	Response Man	52.50		8:00	16:30		8		60	480.00
Dennis Helfron	Carpenter	23.10		8:00	15:30		7			161.70
Dennis Combes	Carpenter	23.10		8:00	15:30		7			161.70
Roy Case	Concrete Labor Lvl. 2	23.10		8:00	16:30		8			184.80
Earl Cummings	Foreman Lvl 3	33.60		8:00	16:30		8			268.80
									<b>TOTAL PERSONNEL COSTS</b>	<b>1257.00</b>

**CONTRACTOR-OWNED EQUIPMENT/MATERIALS REPORT**

CONTRACTOR  
 PEDCO Environmental  
 ASSIGNMENT NUMBER  
 6894-05-008

CONTRACT NUMBER  
 68-01-6894  
 DATE  
 MAY 31, 1984

9. EQUIPMENT USED	10. HOURS USED		11. COST PER HOUR	12. TOTAL HOURS	13. TOTAL COST	15. MATERIALS USED	16. QUANTITY	17. TOTAL COST
	FROM	TO						
2 Ton Stake Bed	8:00	16:30	80/day	day	80.00	Concrete		Bill Later
Hand Tools	8:00	16:30	11/day	day	11.00			
Concrete Vibrator	8:00	16:30	30/day	day	30.00			
14. TOTAL EQUIPMENT COSTS					\$ 121.00	18. TOTAL MATERIAL COSTS		\$

**SUBCONTRACTOR REPORT**

CONTRACTOR <i>PEDCo Environmental</i>	CONTRACT NUMBER <i>68-01-6894</i>
ASSIGNMENT NUMBER <i>6894-03-008</i>	DATE <i>MAY 31, 1984</i>

19. SUBCONTRACTOR NAME	20. WORK DESCRIPTION	21. SUBCONTRACT AMOUNT	23. REMARKS
			<i>1378.00</i>
22. TOTAL SUBCONTRACT COSTS			\$
			24. CONTRACT CEILING AMOUNT
			\$ <i>20000.00</i>
			25. TOTAL ESTIMATED CONTRACT COSTS TO DATE
			\$ <i>222,905.04</i>
			26. TOTAL ESTIMATED COSTS TO COMPLETE CONTRACT
			\$ <i>277,094.96</i>

I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors which I ordered and authorized from the contractor in the performance of the above-cited contract.

I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors provided by the contractor in the performance of the above-cited contract.

Signature of <del>EPA</del> Representative <i>RAM</i> <i>Daniel M. Caplice</i>	Time Arrived on Scene <i>8:00</i>	Time Departed <i>16:30</i>	Signature of Contractor's Authorized Representative <i>Michael C. [unclear]</i>	Date <i>6/7/84</i>
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CONTRACTOR-OWNED EQUIPMENT/MATERIALS REPORT

CONTRACTOR  
 PEX Environmental  
 ASSIGNMENT NUMBER  
 6894-05-008

CONTRACT NUMBER  
 68-01-6894  
 DATE  
 6/1/84

EQUIPMENT USED	10. HOURS USED		11. COST PER HOUR	12. TOTAL HOURS	1900-55 Date 13. TOTAL COST	15. MATERIALS USED	supplier ↓	16. QUANTITY	17. TOTAL COST
	FROM	TO							
Suppliers					5/3, 5/9	Iron pipe + fittings	UP	—	19,900.82
UP- Underground Pipe					5/4, 7, 8, 9	Saw Blades (rec.)	H	8	4.00
H- Hoffman					5/8	Stone (pea gravel)	H	10 yd (12 ton)	54.00
N- Neenah					5/9	Neenah Manway	N	1	<del>463.91</del> 574.00*
S- Summit					5/10	Stone	H	135.15 ton	608.18
L- Lawrence					5/10	Photoswitches	S	5	396.44*
F- Faber					5/11	Ready-mix cement	H	7 bags	25.90
G- Galloup					5/11	Mortar	H	4 bags	14.80
NO- Northern					5/11	Concrete Bricks	H	60	45.00
C- Corlett					5/11	24" Concrete Pipe	H	22 L. Ft.	380.60
M- Modern					5/11	Pumpstarters + Misc	L	5 sets	4067.00
HA- Hausman				Control switches		L	5		
K- Kalamazoo Fabricating					5/11	Pumps	F	5	7217.60
B- J.H. Ballenger					5/14, 15, 16, 17, 18, 21, 22	Steel pipe + fittings	G	—	<del>26,630.94</del> 27,411.44
KE- Kendall Electric					5/14	24" Concrete Pipe	NO	48 L. Ft.	934.86
FA- F&A Fabricating				Mastic		NO	5 gal.		
R- Ryerson Steel					5/9	Top Soil	H	90 yd	no charge
14. TOTAL EQUIPMENT COSTS				\$	15. TOTAL MATERIAL COSTS				\$

CONTRACTOR-OWNED EQUIPMENT/MATERIALS REPORT

CONTRACTOR  
 PEDCO Environmental  
 ASSIGNMENT NUMBER  
 6894-05-008

CONTRACT NUMBER  
 68-01-6894  
 DATE  
 6/1/84

9. EQUIPMENT USED	10. HOURS USED		11. COST PER HOUR	12. TOTAL HOURS	13. TOTAL COST	15. MATERIALS USED	Supplier ↓	16. QUANTITY	17. TOTAL COST
	FROM	TO							
					5/9, 11, 17	Lumber	C	—	636.37
					5/15	Concrete	M	33 yd.	1575.29
					5/15	Rebar	HA	—	919.56
					5/17	Steel Beams	K	3	294.30
					5/18	Concrete	M	50 yd.	2548.10
						Grout	M	3 yd.	
					4/27 → 7/23	Adjustment 4% tax	H	—	77.14
					5/25	Sump Pump	B	1	333.71
					5/22 23	30 Amp Disconnect	KE		2119.66
						200 Amp Disconnect			
						400/120 Transformer			
						Hoffman Box			
						Misc. Electric Supplies			
					5/25	Grating Supports	FA	4 pes.	748.00
					5/25	Steel grating	R	10 pes	1064.29
					5/31	Concrete	M	7.5 yds	433.42
									71,492.89
									2,144.79
14. TOTAL EQUIPMENT COSTS				\$	18. TOTAL MATERIAL COSTS				\$ 73,637.68



SUBCONTRACTOR REPORT

CONTRACTOR PEDCO Environmental	CONTRACT NUMBER 68-01-6014
ASSIGNMENT NUMBER 6894-05-008	DATE 6/1/84

19. SUBCONTRACTOR NAME	20. WORK DESCRIPTION	21. SUBCONTRACT AMOUNT	23. REMARKS
Kelly Company <sup>5/20</sup> / <sub>5/21</sub>	waterproofing concrete	1620.00	
Air Couriers Int. <sup>5/10</sup>	air freight delivery of pumps	2906.25	
		4326.25	
	3% H.C	135.79	
22. TOTAL SUBCONTRACT COSTS		\$4662.04	78,299.72
		24. CONTRACT CEILING AMOUNT	\$500,000.00
		25. TOTAL ESTIMATED CONTRACT COSTS TO DATE	\$301,204.76
		26. TOTAL ESTIMATED COSTS TO COMPLETE CONTRACT	\$198,795.24

I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors which I ordered and authorized from the contractor in the performance of the above-cited contract.

I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors provided by the contractor in the performance of the above-cited contract.

Signature of <sup>Sub</sup> Representative <i>David M. Galici</i>	Time Arrived on Scene 8:00	Time Departed 16:30	Signature of Contractor's Authorized Representative <i>Michael C. [unclear]</i>	Date 6/1/84
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US ENVIRONMENTAL PROTECTION AGENCY  
 HAZARDOUS SUBSTANCE RESPONSE FUND  
 CONTRACTOR COST REPORT

CONTRACTOR  
 PEDCO Environmental

CONTRACT NUMBER  
 68-01-6899

CONTRACTOR PERSONNEL REPORT

ASSIGNMENT NUMBER  
 6899-05-008

DATE  
 June 7, 1984

1. EMPLOYEES ASSIGNED	2. WORK CLASSIFICATION	3. HOURLY LABOR RATE		4. HOURS EMPLOYED		5. BREAK TIME	6. TOTAL HOURS		7. TRAVEL AND SUBSISTENCE COSTS	8. TOTAL PERSONNEL COSTS
		REGULAR	OVERTIME	FROM	TO		REGU-LAR	OVER-TIME		
Mike Hessling	Response Manager	52.50		0800	1630	:30	8		60	480.00
Earl Cummings	Foreman, Level 3	33.60		800	<del>1530</del>	:30	7			235.20
Dennis Heffron	Carpenter	23.10		800	1330	:30	5			115.50
Ray Case	Carpenter	23.10		800	1230	:30	4			92.40
John Boaman	Laborer	15.80		8:00	1630	:30	8			126.40
Airline Charges 5/29/84 & 5/31/84 (Not billed) 434.00 Rental Car 5/29/84 through 5/31/84 (Not previously billed) 148.89										
<b>TOTAL PERSONNEL COSTS</b>										<b>1632.37</b>

CONTRACTOR-OWNED EQUIPMENT/MATERIALS REPORT

CONTRACTOR PEDCO Environmental	CONTRACT NUMBER 68-01-6894
ASSIGNMENT NUMBER 6894-05-008	DATE June 7, 1984

9. EQUIPMENT USED	10. HOURS USED		11. COST PER HOUR	12. TOTAL HOURS	13. TOTAL COST	15. MATERIALS USED	16. QUANTITY	17. TOTAL COST
	FROM	TO						
Passenger Sedan	0000	1500	51/day .16/mile	560	140.60			
Stake Bed, 2 Ton	0800		89/day	day	80.00			
Hand Tools	0800		11/day	day	11.00			

14. TOTAL EQUIPMENT COSTS	\$ 231.60	18. TOTAL MATERIAL COSTS	\$
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US ENVIRONMENTAL PROTECTION AGENCY HAZARDOUS SUBSTANCE RESPONSE FUND CONTRACTOR COST REPORT				CONTRACTOR PEDCO Environmental			CONTRACT NUMBER 68-01-6894			
CONTRACTOR PERSONNEL REPORT				ASSIGNMENT NUMBER 6894-05-008			DATE June 8, 1984			
1. EMPLOYEES ASSIGNED	2. WORK CLASSIFICATION	3. HOURLY LABOR RATE		4. HOURS EMPLOYED		5. BREAK TIME	6. TOTAL HOURS		7. TRAVEL AND SUBSISTENCE COSTS	8. TOTAL PERSONNEL COSTS
		REGULAR	OVERTIME	FROM	TO		REGU-LAR	OVER-TIME		
Dick Hook	Foreman Lvl 3 (Electrical)	33.60		8	9		1			33.60
Dick Hook (from June 6, 1984)	Foreman Lvl. 3 (Electrical)	33.60		8	9		1			33.60
<b>TOTAL PERSONNEL COSTS</b>									<b>67.20</b>	

CONTRACTOR-OWNED EQUIPMENT/MATERIALS REPORT

CONTRACTOR  
 PEDCO Environmental  
 ASSIGNMENT NUMBER  
 6899-05-008

CONTRACT NUMBER  
 68-01-6899  
 DATE  
 June 8, 1984

9. EQUIPMENT USED	10. HOURS USED		11. COST PER HOUR	12. TOTAL HOURS	13. TOTAL COST	15. MATERIALS USED	16. QUANTITY	17. TOTAL COST
	FROM	TO						
Equipment Truck	8	9	14/hr	1	14.00			
Equipment Truck (From June 6, 1984)	8	9	14/hr	1	14.00			
14. TOTAL EQUIPMENT COSTS					\$ 28.00	15. TOTAL MATERIAL COSTS		\$

**SUBCONTRACTOR REPORT**

CONTRACTOR  
*DFDCo Environmental*  
 ASSIGNMENT NUMBER  
*6894-05-008*

CONTRACT NUMBER  
*68-01-6894*  
 DATE  
*June 8 1984*

19. SUBCONTRACTOR NAME	20. WORK DESCRIPTION	21. SUBCONTRACT AMOUNT	23. REMARKS
			<i>95.20</i>
22. TOTAL SUBCONTRACT COSTS			24. CONTRACT CEILING AMOUNT
			<i>\$ 500,000</i>
			25. TOTAL ESTIMATED CONTRACT COSTS TO DATE
			<i>\$ 303,163.93</i>
			26. TOTAL ESTIMATED COSTS TO COMPLETE CONTRACT
			<i>\$ 196,836.07</i>

I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors which I ordered and authorized from the contractor in the performance of the above-cited contract.

I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors provided by the contractor in the performance of the above-cited contract.

Signature of <sup>DM</sup> EOC Representative  
*Daniel M. Caples*      *6/14/83*      Time Arrived on Scene  
*not on site*      Time Departed  
*site*

Signature of Contractor's Authorized Representative  
*Michael J. ...*      Date  
*6/14/84*

US ENVIRONMENTAL PROTECTION AGENCY  
 HAZARDOUS SUBSTANCE RESPONSE FUND  
 CONTRACTOR COST REPORT

CONTRACTOR  
 PEDC - Environmental  
 CONTRACT NUMBER  
 68-01-6894

CONTRACTOR PERSONNEL REPORT

ASSIGNMENT NUMBER  
 6894-05-002  
 DATE  
 June 11, 1984

1. EMPLOYEES ASSIGNED	2. WORK CLASSIFICATION	3. HOURLY LABOR RATE		4. HOURS EMPLOYED		5. BREAK TIME	6. TOTAL HOURS		7. TRAVEL AND SUBSISTENCE COSTS	8. TOTAL PERSONNEL COSTS
		REGULAR	OVERTIME	FROM	TO		REGU-LAR	OVER-TIME		
Dick Hook	Foreman Lvl 3 (Electrical)	33.60		800	1430	30	6			201.60

TOTAL PERSONNEL COSTS 201.60



CONTRACTOR-OWNED EQUIPMENT/MATERIALS REPORT

CONTRACTOR  
 PEDC. Environmental  
 ASSIGNMENT NUMBER  
 6899-05-003

CONTRACT NUMBER  
 68-01-6894  
 DATE  
 June 11, 1984

9. EQUIPMENT USED	10. HOURS USED		11. COST PER HOUR	12. TOTAL HOURS	13. TOTAL COST	15. MATERIALS USED	16. QUANTITY	17. TOTAL COST
	FROM	TO						
CARBON UNITS 20,000# (5units)			3525/mo.	month	17625.00			
Equipment Truck			14/hr	day	75.00			
Hand Tools			11/day	day	11.00			
14. TOTAL EQUIPMENT COSTS					\$ 17,711.00	18. TOTAL MATERIAL COSTS		\$



US ENVIRONMENTAL PROTECTION AGENCY HAZARDOUS SUBSTANCE RESPONSE FUND CONTRACTOR COST REPORT				CONTRACTOR PEDCO Environmental		CONTRACT NUMBER 68-01-6894				
CONTRACTOR PERSONNEL REPORT				ASSIGNMENT NUMBER 6894.05-001		DATE June 12, 1984				
1. EMPLOYEES ASSIGNED	2. WORK CLASSIFICATION	3. HOURLY LABOR RATE		4. HOURS EMPLOYED		5. BREAK TIME	6. TOTAL HOURS		7. TRAVEL AND SUBSISTENCE COSTS	8. TOTAL PERSONNEL COSTS
		REGULAR	OVERTIME	FROM	TO		REGULAR	OVERTIME		
Mike Hessling	Response Manager	52.50		8:00	16:30	30	8		60*	480.00
Tom Dewey	Foreman Lvl.	33.60		8:00	16:30	30	8			268.80
Doug Roberts	Welder/Pipefitter	31.50		8:00	16:30	30	8			252.00
Loyd Casebeer	Pipefitter	31.50		8:00	16:30	30	8			252.00
*Does not include Travel Costs, will be billed later								TOTAL PERSONNEL COSTS	1252.80	

CONTRACTOR-OWNED EQUIPMENT/MATERIALS REPORT

CONTRACTOR  
 PEDC. Environmental  
 ASSIGNMENT NUMBER  
 6894-03-008

CONTRACT NUMB.  
 68-01-6894  
 DATE  
 June 0<sup>th</sup>, 1984

9. EQUIPMENT USED	10. HOURS USED		11. COST PER HOUR	12. TOTAL HOURS	13. TOTAL COST	15. MATERIALS USED	16. QUANTITY	17. TOTAL COST
	FROM	TO						
Hand Tools (2 sets)	800	1630	11/day	day	22.00	20,000* Carbon	29000*	\$21,500
<del>Front Loader</del>								
Stake Bed, 2 Ton	800	1000	16/hr	2	32.00			
<del>Colgan Carbon Unit</del>								
Air Compressor	800	1630	95/day	day	95.00			
Ladders (2)	800	1630	5/day	day	10.00			
14. TOTAL EQUIPMENT COSTS					\$ 159.00	18. TOTAL MATERIAL COSTS		\$ 21,500



US ENVIRONMENTAL PROTECTION AGENCY HAZARDOUS SUBSTANCE RESPONSE FUND CONTRACTOR COST REPORT				CONTRACTOR PEDC- Environmental			CONTRACT NUMBER: 68-01-6894			
CONTRACTOR PERSONNEL REPORT				ASSIGNMENT NUMBER 6894-05-008			DATE June 13, 1984			
1. EMPLOYEES ASSIGNED	2. WORK CLASSIFICATION	3. HOURLY LABOR RATE		4. HOURS EMPLOYED		5. BREAK TIME	6. TOTAL HOURS		7. TRAVEL AND SUBSISTENCE COSTS	8. TOTAL PERSONNEL COSTS
		REGULAR	OVERTIME	FROM	TO		REGU-LAR	OVER-TIME		
Mike Hessling	Response Manager	52.50	64.10	8:00	19:30	30	8	3	60	672.30
Earle Cummings	Foreman Lvl 3 <del>Foreman, Lvl 3</del>	33.60		8:00	16:30	30	8			268.80
Tom Dewey	Foreman, Lvl 3	33.60		8:00	16:30	30	8			268.80
Doug Roberts	Welder	31.50		8:00	16:30	30	8			252.00
Loyal Casebeer	Pipefitter	31.50		8:00	16:30	30	8			252.00
Dick Hook	Foreman Lvl 3 (Electrician)	33.60		12:00	14:00	-	2			67.20
							TOTAL PERSONNEL COSTS			1781.10

CONTRACTOR-OWNED EQUIPMENT/MATERIALS REPORT

CONTRACTOR  
 PEDCO Environmental  
 ASSIGNMENT NUMBER  
 6894-05-00X

CONTRACT NUMBER  
 68-01-6899  
 DATE  
 June 13, 1984

9. EQUIPMENT USED	10. HOURS USED		11. COST PER HOUR	12. TOTAL HOURS	13. TOTAL COST	15. MATERIALS USED	16. QUANTITY	17. TOTAL COST
	FROM	TO						
Stake Bed, 2 Ton	800	1600	80/day	day	80.00	Steel Pipe & Fittings	misc.	Bill Later
Hand Tools	800	1600	11/day	day	11.00	Aluminum Ladder	19'	Bill Later
Welding Machine	1000	1400	14/hr	4	56.00	Tarp	20x12'	Bill Later
Grooving Machine	800	1600	45/day	day	45.00	Screen	4'x20'	Bill Later
Hand Tools (2 sets)	800	1600	11/day	day	22.00	Aluminum angles & Hardware	misc.	Bill Later
Ladders (2)	800	1600	5/day	day	10.00	Steel Angle & Gratings	2 pcs.	Bill Later
14. TOTAL EQUIPMENT COSTS					\$ 224.00	18. TOTAL MATERIAL COSTS		\$ - 0 -

SUBCONTRACTOR REPORT				CONTRACTOR PEDCO Environmental		CONTRACT NUMB. 68-01-6894	
				ASSIGNMENT NUMBER 6894-05-002		DATE June 13, 1984	
19. SUBCONTRACTOR NAME	20. WORK DESCRIPTION	21. SUBCONTRACT AMOUNT	23. REMARKS				
			2005.10				
22. TOTAL SUBCONTRACT COSTS			\$	24. CONTRACT CEILING AMOUNT		\$ 500,000.00	
				25. TOTAL ESTIMATED CONTRACT COSTS TO DATE		\$ 315,993.43	
				26. TOTAL ESTIMATED COSTS TO COMPLETE CONTRACT		\$ 154,006.57	
I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors which I ordered and authorized from the contractor in the performance of the above-cited contract.				I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors provided by the contractor in the performance of the above-cited contract.			
Signature of <del>EPA</del> Representative <i>David M. Caplice</i>		Time Arrived on Scene 6/14/84 8:00	Time Departed 20:00	Signature of Contractor's Authorized Representative <i>[Signature]</i>		Date 6/21/84	





**CONTRACTOR-OWNED EQUIPMENT/MATERIALS REPORT**

CONTRACTOR PEOC Environmental	CONTRACT NUMBER 68-01-68-74
ASSIGNMENT NUMBER 6844-05-008	DATE June 14, 1984

9. EQUIPMENT USED	10. HOURS USED		11. COST PER HOUR	12. TOTAL HOURS	13. TOTAL COST	15. MATERIALS USED	16. QUANTITY	17. TOTAL COST
	FROM	TO						
2 Ton <del>Panel Truck</del> <sup>Panel Truck</sup>	800	1630	80/day	day	80.00			
Hand Tools	800	1630	11/day	day	11.00			
14. TOTAL EQUIPMENT COSTS					\$ 91.00	18. TOTAL MATERIAL COSTS		\$ — 0 —

SUBCONTRACTOR REPORT				CONTRACTOR PEDC Environmental		CONTRACT NUMBER 68-01-6244	
				ASSIGNMENT NUMBER 6894-05-008		DATE June 14, 1984	
19. SUBCONTRACTOR NAME	20. WORK DESCRIPTION	21. SUBCONTRACT AMOUNT	23. REMARKS				
Drake Insulation	Insulate piping in Dry Well	2,223.02					
	3% Handling Charge	66.69					
			DAILY <span style="float: right;">3045.51 <del>12,000.00</del></span>				
			24. CONTRACT CEILING AMOUNT				\$ 500,000
			25. TOTAL ESTIMATED CONTRACT COSTS TO DATE				<del>329,038.94</del>
22. TOTAL SUBCONTRACT COSTS		\$ 2,289.71	26. TOTAL ESTIMATED COSTS TO COMPLETE CONTRACT				\$ 150,961.06
I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors which I ordered and authorized from the contractor in the performance of the above-cited contract.			I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors provided by the contractor in the performance of the above-cited contract.				
Signature of <sup>REP</sup> Representative		Time Arrived on Scene	Time Departed	Signature of Contractor's Authorized Representative			Date
Daniel M. Caplini 9/14/84		9:00	16:30	Michael J. [Signature]			7/9/84

US ENVIRONMENTAL PROTECTION AGENCY  
HAZARDOUS SUBSTANCE RESPONSE FUND  
CONTRACTOR COST REPORT

CONTRACTOR  
*EDCO Environmental*

CONTRACT NUMBER  
*68-01-6894*

CONTRACTOR PERSONNEL REPORT

ASSIGNMENT NUMBER  
*6894-05-008*

DATE  
*6/26/84*

1. EMPLOYEES ASSIGNED	2. WORK CLASSIFICATION	3. HOURLY LABOR RATE		4. HOURS EMPLOYED		5. BREAK TIME	6. TOTAL HOURS		7. TRAVEL AND SUBSISTENCE COSTS	8. TOTAL PERSONNEL COSTS
		REGULAR	OVERTIME	FROM	TO		REGU-LAR	OVER-TIME		
<i>WEEK ENDING 6/1/84</i>										
<i>(Specified &amp; Ordinal Transformer) *</i>										
<i>Joe Stockwell</i>		<i>47.30</i>					<i>2</i>			<i>94.60</i>
<i>Jim Kurtz</i>		<i>47.30</i>					<i>5</i>			<i>236.50</i>
<i>WEEK ENDING 6/8/84</i>										
<i>(Site Inspection)</i>										
<i>Joe Stockwell</i>		<i>47.30</i>					<i>9</i>		<i>**</i>	<i>425.70</i>
<i>WEEK ENDING 6/22/84</i>										
<i>(As-Built Drawings) *</i>										
<i>Joe Stockwell</i>		<i>47.30</i>					<i>2</i>			<i>94.60</i>
<i>Dave Hildebrandt</i>		<i>47.30</i>					<i>13</i>			<i>614.90</i>
<p><i>* See M. Heasling letter of Aug. 29 for detailed description, letter is attached.</i></p> <p><i>** Travel Costs not included, will be billed later</i></p>										<p>TOTAL PERSONNEL COSTS <i>1466.30</i></p>

**CONTRACTOR-OWNED EQUIPMENT/MATERIALS REPORT**

CONTRACTOR  
**PEI, Inc**  
CONTRACT NUMBER  
**68-01-6899**  
ASSIGNMENT NUMBER  
**6894-05-008**  
DATE  
**June 26, 1984**

9. EQUIPMENT USED	10. HOURS USED		11. COST PER HOUR	12. TOTAL HOURS	13. TOTAL COST	15. MATERIALS USED	16. QUANTITY	17. TOTAL COST	
	FROM	TO							
					<b>SUMMIT INDUSTRIES</b>	Probes (WCR1-100)	11	2656.04	
						Control Switches (13DJ3-3000)	5		
						Probe Fittings (61LJ2-1000)	5		
						Grnd. Probe Fitting (61BD1-1000)	1		
					<b>HOFFMAN BROTHERS</b>	Top Soil (5/24/84)	4 yards	26.00	
						Mortar Mix (5/24/84)	3 bags	11.10	
						(5/25/84)	3 bags	11.10	
						Saw Blades (5/25/84)	7	35.00	
						Sales Tax on Mat'ls from Hoffman Bros. on 6/24 & 6/25	—	4.33	
					<b>ALRO STEEL</b>	Grating to Cover Sump & Support Ank (5/25/84)	5 pc.	52.79	
					<b>GALLUP</b>	Steel Pipe & Fittings for 5th Adaptor	See Invoice	2399.65	
					<b>MENOLL INDUSTRIAL</b>	Tarp, Screen, Angk, & Hardware to Support Screen	SEE INVOICE	229.75	
					<b>HUNTER PRELL</b>	Misc. Piping Materials purchased by Hunter Prell, See Invoices Attached for Detail: Invoice of 5/2/84 (1st 4 Units) Invoice of 7/18/84 (5th Unit & Pump Comp)	SEE INVOICE SEE INVOICE	2449.95 507.78	
<b>14. TOTAL EQUIPMENT COSTS</b>				0	<b>18. TOTAL MATERIAL COSTS</b>				Continued

**CONTRACTOR-OWNED EQUIPMENT/MATERIALS REPORT**

CONTRACTOR

PEI, Inc.

CONTRACT NUMBER

68-01-6874

ASSIGNMENT NUMBER

6874-05-008

DATE

6-26-84

9. EQUIPMENT USED	10. HOURS USED		11. COST PER HOUR	12. TOTAL HOURS	13. TOTAL COST	15. MATERIALS USED	16. QUANTITY	17. TOTAL COST
	FROM	TO						
						HUNTER PRELL Fuel Adjustment for Hunter Prell. 1900-55s show a total of 90 gallons @ \$1.25/gal. = 112.50 Between 5/15 and 5/25 Hunter Prell bill shows 104 gallons for \$127.30 (5/18 & 5/22 omitted from 1900-55s)		14.80
						HUNTER PRELL Fuel For Hunter Prell 6-13-84	4 gallons	4.91
						Union Electric Misc. electrical supplies purchased by Union Electric. See invoices for Details (Attached)	See Invoice	3515.78
						Union Electric 4% Sales Tax on Above Union Electric Mat'ls.		140.63
						Murray Construction Misc Lumber, Nails, etc. Purchased by Murray Construction. See invoices for Details (invoices Attached)		650.25
						SUBTOTAL		12709.86
						3% H.C.		381.30
<b>14. TOTAL EQUIPMENT COSTS</b>						<b>18. TOTAL MATERIAL COSTS</b>		13091.16

SUBCONTRACTOR REPORT

CONTRACTOR <b>PEDCO ENVIRONMENTAL</b>	CONTRACT NUMBER <b>68-01-6894</b>
ASSIGNMENT NUMBER <b>6894-05-008</b>	DATE <b>6/26/84</b>

19. SUBCONTRACTOR NAME	20. WORK DESCRIPTION	21. SUBCONTRACT AMOUNT	23. REMARKS
<b>EMERY</b>	<b>Air transportation of Probes &amp; Level Controls</b>	<b>79.00</b>	<i>In what</i>
<b>PEDCO Environmental</b>	<b>LAB ANALYSIS, 6/5/84 10 Samples</b>	<b>1120.00</b>	<i>11/10/84</i>
<b>PEDCO Environmental</b>	<b>LAB ANALYSIS, 6/12/84 4 Samples</b>	<b>448.00</b>	
<b>PEDCO Environmental</b>	<b>LAB ANALYSIS, 6/19/84 10 SAMPLES</b>	<b>1120.00</b>	
<b>PEDCO Environmental</b>	<b>LAB ANALYSIS 6/26/84 9 SAMPLES</b>	<b>1008.00</b>	
<b>[REDACTED]</b>			
	<b>3% Handling Charge on Emery Bill</b>	<b>2.37</b>	
			<b>18,334.83</b> <b>DAILY</b> <del>FE</del>
24. CONTRACT CEILING AMOUNT			<b>500,000</b>
25. TOTAL ESTIMATED CONTRACT COSTS TO DATE			<b>361,313.11</b>

22. TOTAL SUBCONTRACT COSTS	<b>\$ 3777.37</b>	26. TOTAL ESTIMATED COSTS TO COMPLETE CONTRACT	<b>\$ 132,626.23</b>
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I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors which I ordered and authorized from the contractor in the performance of the above-cited contract.

I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors provided by the contractor in the performance of the above-cited contract.

Signature of <del>Contractor</del> Representative <i>Daniel M. Casler</i>	Time Arrived on Scene <i>9/11/84</i>	Time Departed <i>N/A</i>	Signature of Contractor's Authorized Representative <i>Michael C. [unclear]</i>	Date <i>7/7/84</i>
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US ENVIRONMENTAL PROTECTION AGENCY HAZARDOUS SUBSTANCE RESPONSE FUND CONTRACTOR COST REPORT				CONTRACTOR PEI, Inc.			CONTRACT NUMBER 68-01-6894			
CONTRACTOR PERSONNEL REPORT				ASSIGNMENT NUMBER 6894-05-008			DATE 7/5/84			
1. EMPLOYEES ASSIGNED	2. WORK CLASSIFICATION	3. HOURLY LABOR RATE		4. HOURS EMPLOYED		5. BREAK TIME	6. TOTAL HOURS		7. TRAVEL AND SUBSISTENCE COSTS	8. TOTAL PERSONNEL COSTS
		REGULAR	OVERTIME	FROM	TO		REGULAR	OVERTIME		
Tom Dewey	Foreman	33.60		0800	1630	.5	8			268.80
Doug Roberts	Welder	31.50		0800	1630	.5	8			252.00
							TOTAL PERSONNEL COSTS		520.80	



**CONTRACTOR-OWNED EQUIPMENT/MATERIALS REPORT**

CONTRACTOR  
 PEI, Inc.  
 ASSIGNMENT NUMBER  
 6894.05.008

CONTRACT NUMBER  
 68-01-6894  
 DATE  
 7/5/84

9. EQUIPMENT USED	10. HOURS USED		11. COST PER HOUR	12. TOTAL HOURS	13. TOTAL COST	15. MATERIALS USED	16. QUANTITY	17. TOTAL COST
	FROM	TO						
14. TOTAL EQUIPMENT COSTS				\$ - 0 -		16. TOTAL MATERIAL COSTS		\$ - 0 -

SUBCONTRACTOR REPORT				CONTRACTOR <i>PEI, Inc</i>		CONTRACT NO. <i>LR</i> <i>68-01-6294</i>	
				ASSIGNMENT NUMBER <i>6874-05-008</i>		DATE <i>7/5/84</i>	
19. SUBCONTRACTOR NAME	20. WORK DESCRIPTION	21. SUBCONTRACT AMOUNT	23. REMARKS				
			<i>DAILY</i> <span style="float: right;"><i>520.80</i></span>				
			24. CONTRACT CEILING AMOUNT		<i>\$500,000.00</i>		
			25. TOTAL ESTIMATED CONTRACT COSTS TO DATE		<i>\$367,874.37</i>		
22. TOTAL SUBCONTRACT COSTS			<i>\$ - 0 -</i>		26. TOTAL ESTIMATED COSTS TO COMPLETE CONTRACT		<i>\$132,105.43</i>
I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors which I ordered and authorized from the contractor in the performance of the above-cited contract.				I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors provided by the contractor in the performance of the above-cited contract.			
Signature of <del>EPA</del> Representative <i>AMM</i> <i>Daniel M. Caplan</i>		Time Arrived on Scene <i>9/11/84</i>	Time Departed <i>NA</i>	Signature of Contractor's Authorized Representative <i>Michael - Hasfey</i>		Date <i>8/28/84</i>	

US ENVIRONMENTAL PROTECTION AGENCY HAZARDOUS SUBSTANCE RESPONSE FUND CONTRACTOR COST REPORT				CONTRACTOR P&DCo Environmental			CONTRACT NUMBER 68-01-6894			
CONTRACTOR PERSONNEL REPORT				ASSIGNMENT NUMBER 6894-05-0008			DATE July 9, 1984			
1. EMPLOYEES ASSIGNED	2. WORK CLASSIFICATION	3. HOURLY LABOR RATE		4. HOURS EMPLOYED		5. BREAK TIME	6. TOTAL HOURS		7. TRAVEL AND SUBSISTENCE COSTS	8. TOTAL PERSONNEL COSTS
		REGULAR	OVERTIME	FROM	TO		REGU-LAR	OVER-TIME		
Mike Hessling	Response Manager	52.50		0800	1700	1hr	8			420.00
<i>Week Ending 7/1/84 (As-built Drawings)</i>										
Joe Stockwell *	Engineer	47.30					2			94.60
Brandt Gunker *	Engineer	47.30					11			520.30
Y?										
* For Detailed description of activities, see Attached Letter of Aug 29.									TOTAL PERSONNEL COSTS	1034.90

**CONTRACTOR-OWNED EQUIPMENT/MATERIALS REPORT**

CONTRACTOR  
**PEJ**  
ASSIGNMENT NUMBER  
**6899-05-008**

CONTRACT NUMBER  
**68-01-6899**  
DATE  
**July 9, 1984**

ok

9. EQUIPMENT USED	10. HOURS USED		11. COST PER HOUR	12. TOTAL HOURS	13. TOTAL COST	15. MATERIALS USED	16. QUANTITY	17. TOTAL COST
	FROM	TO						
20,000 * Activated Carbon Units (5)			3525/mo.	month	17,625.00			
14. TOTAL EQUIPMENT COSTS					\$ 17,625.00	18. TOTAL MATERIAL COSTS		
						\$ - 0 -		

SUBCONTRACTOR REPORT				CONTRACTOR PEDCO Environmental	CONTRACT NUMBER 68-01-6899
				ASSIGNMENT NUMBER 68-11.05-008	DATE July 9, 1984
19. SUBCONTRACTOR NAME	20. WORK DESCRIPTION	21. SUBCONTRACT AMOUNT	23. REMARKS		
PEDCO Environmental	LAB ANALYSIS, 7/2/84 8 Samples	896.00			
PEDCO Environmental	LAB ANALYSIS 7/6/84 8 Samples	896.00			
Consumers Power	Rental of Transformer	120.00			
	3% H.C. on Transformer	3.60			
22. TOTAL SUBCONTRACT COSTS		<del>1915.60</del>	DAILY <del>20,575.50</del> 20,575.50		
			24. CONTRACT CEILING AMOUNT		\$ 500,000
			25. TOTAL ESTIMATED CONTRACT COSTS TO DATE		<del>388,478.01</del>
			26. TOTAL ESTIMATED COSTS TO COMPLETE CONTRACT		\$
I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors which I ordered and authorized from the contractor in the performance of the above-cited contract.			I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors provided by the contractor in the performance of the above-cited contract.		
Signature of EPA Representative <i>Daniel M. Caputo</i>		Time Arrived on Scene NA	Time Departed NA	Signature of Contractor's Authorized Representative <i>Michael J. Spasberg</i>	
				Date 7/9/84	

US ENVIRONMENTAL PROTECTION AGENCY  
HAZARDOUS SUBSTANCE RESPONSE FUND  
CONTRACTOR COST REPORT

CONTRACTOR  
PEDC - Environmental

CONTRACT NO.  
68-01-6894

CONTRACTOR PERSONNEL REPORT

ASSIGNMENT NUMBER  
68-14-05-008

DATE  
Aug 9, 1984

1. EMPLOYEES ASSIGNED	2. WORK CLASSIFICATION	3. HOURLY LABOR RATE		4. HOURS EMPLOYED		5. BREAK TIME	6. TOTAL HOURS		7. TRAVEL AND SUBSISTENCE COSTS	8. TOTAL PERSONNEL COSTS	
		REGULAR	OVERTIME	FROM	TO		REGU-LAR	OVER-TIME			
Mike Hessling	Response Manager	52.50		0800	2000	-	4		-	210.00	
J.C. WEBB, JR. (Week Ending 7-15-84)	Engineer - Final Revisions Prior to issuing As Built Drawings	47.30					1/2		-	23.65	
Rick Goodman	Laborer	15.80			Week ending 7/6		5			79.00	
					Week ending 7/13		5			79.00	
					Week ending 7/20		5			79.00	
					Week ending 7/27		5			79.00	
					Week Ending 8/3		5			79.00	
TRAVEL EXPENSES NOT PREVIOUSLY BILLED:  Mike Hessling	4/25/84 - Airline Charge								335.00	335.00	
									5/29/84 & 5/31/84 - Airline Charges Previously Shown @ \$134.00 on 6/7 Adjustment to actual charges of \$432.00	(2.00)	(2.00)
									6/11/84 thru 6/14/84 - Air Fare	559.00	559.00
									Rental Car 6/11 - 6/14	171.51	171.51
Joe Stockwell	6/11/84 - Air Fare								350.00	350.00	
<b>TOTAL PERSONNEL COSTS</b>										<del>2042.16</del>	

**CONTRACTOR-OWNED EQUIPMENT/MATERIALS REPORT**

CONTRACTOR  
 PEOC - Environmental  
 ASSIGNMENT NUMBER  
 6874-01-008

CONTRACT NUMBER  
 68-01-6899  
 DATE  
 Aug. 9, 1984

9. EQUIPMENT USED	10. HOURS USED		11. COST PER HOUR	12. TOTAL HOURS	13. TOTAL COST	15. MATERIALS USED	16. QUANTITY	17. TOTAL COST
	FROM	TO						
20,000# Carbon Units (5)			3525 / mo. ea	month	17,625	Transformer (used)	1	4986.00
						4-90° Ells & 1 Flange (Returned)	5 pc.	(835.17)
						14" Butterfly Valves (Returned) to Gallup	2	(1271.76)
<b>24. TOTAL EQUIPMENT COSTS</b>					<b>17,625.00</b>	<b>25. TOTAL MATERIAL COSTS</b>		<b>2879.07</b>

SUBCONTRACTOR REPORT

CONTRACTOR PEDCO Environmental, Inc	CONTRACT NO. RA 68-01-6899
ASSIGNMENT NUMBER 68-74-05-008	DATE Aug 9, 1984

19. SUBCONTRACTOR NAME	20. WORK DESCRIPTION	21. SUBCONTRACT AMOUNT	23. REMARKS
<del>XXXXXXXXXX</del>	<del>XXXXXXXXXX</del>	<del>XXXXXX</del>	
Air Wisconsin, Inc	Transportation from Airport	9.68	
PEI LAB	VOA Analysis 7/12/84 8 Samples	896.00	
PEI LAB	VOA Analysis 7/19/84 8 Samples	896.00	
PEI LAB	VOA Analysis 7/30/84 8 Samples	896.00	
PEI LAB	VOA Analysis 8/3/84 8 Samples	896.00	
PEI LAB	VOA Analysis 8/9/84 8 Samples	896.00	
EMERY	AIR TRANSPORTATION OF <del>XXXXXX</del> PUMP STARTERS FROM ALLEN- BRADLEY	73.14	dist
PEI LAB	ANALYSIS OF CHARCOAL TUBES FOR 4 COMPOUNDS	250.00	
Kelly	Water proofing of Wet Well. Adjustment to bill (See invoice)	180.00	
	3% H.C. on Items 2, 8, & 10	7.88	
22. TOTAL SUBCONTRACT COSTS		\$5000.70	27546.90
		24. CONTRACT CEILING AMOUNT	\$500,000.00
		25. TOTAL ESTIMATED CONTRACT COSTS TO DATE	\$46,017.00
		26. TOTAL ESTIMATED COSTS TO COMPLETE CONTRACT	\$ 83,983.00

I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors which I ordered and authorized from the contractor in the performance of the above-cited contract.

I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors provided by the contractor in the performance of the above-cited contract.

Signature of Contractor's Representative <i>Daniel M. Caplan</i> 9/1/84	Time Arrived on Scene NA	Time Departed NA	Signature of Contractor's Authorized Representative <i>Michael J. Hoffing</i>	Date 8/22/84
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US ENVIRONMENTAL PROTECTION AGENCY HAZARDOUS SUBSTANCE RESPONSE FUND CONTRACTOR COST REPORT				CONTRACTOR PEDCo Environmental		CONTRACT NUMBER 68-01-6899			
CONTRACTOR PERSONNEL REPORT				ASSIGNMENT NUMBER 6894-05-008		DATE Sept. 9 1989			
1. EMPLOYEES ASSIGNED	2. WORK CLASSIFICATION	3. HOURLY LABOR RATE		4. HOURS EMPLOYED		5. TOTAL HOURS		7. TRAVEL AND SUBSISTENCE COSTS	8. TOTAL PERSONNEL COSTS
		REGULAR	OVERTIME	FROM	TO	BREAK TIME	REGU- LAR ( )		
Rick Goodman	Laborer	15.80		Week Ending	8/10	5			79.00
				Week Ending	8/17	5			79.00
				Week Ending	8/24	5			79.00
				Week Ending	8/31	5			79.00
				Week Ending	9/7	5			79.00
Mike Hoeling	Response Manager	52.50					4		210.00
								TOTAL PERSONNEL COSTS	605.00

**CONTRACTOR-OWNED EQUIPMENT/MATERIALS REPORT**

CONTRACTOR  
 PEDC. Environment 1  
 ASSIGNMENT NUMBER  
 6844-05-008

CONTRACT NUMBER  
 68-01-6854  
 DATE  
 Sept 7, 1984

9. EQUIPMENT USED	10. HOURS USED		11. COST PER MONTH	12. TOTAL HOURS	13. TOTAL COST	15. MATERIALS USED	16. QUANTITY	17. TOTAL COST
	FROM	TO						
20,000 # Activated Carbon Units (5)			3525/m <sup>month</sup>	months	17,625.00			
<b>14. TOTAL EQUIPMENT COSTS</b>					\$ 17,625.00	<b>18. TOTAL MATERIAL COSTS</b>		

SUBCONTRACTOR REPORT				CONTRACTOR PED Co Environmental	CONTRACT NO. 68-01-6894
				ASSIGNMENT NUMBER 6894-05-005	DATE Sept. 9, 1984
19. SUBCONTRACTOR NAME	20. WORK DESCRIPTION		21. SUBCONTRACT AMOUNT	23. REMARKS	
PEI Lab	VOA Analysis 8/16/84 8 Samples		896.00		
PEI LAB	VOA Analysis 8/23/84 8 Samples		896.00		
PEI LAB	VOA Analysis 8/31/84 8 Samples		896.00		
PEI LAB	VOA Analysis 9/7/84 8 Samples		896.00		
PEI LAB	VOA Analysis 8/28/84 1 Sample		112.00		
				21,926.00	
				24. CONTRACT CEILING AMOUNT	\$500,000.00
				25. TOTAL ESTIMATED CONTRACT COSTS TO DATE	\$437,943.00
25. TOTAL SUBCONTRACT COSTS			\$3696.00	26. TOTAL ESTIMATED COSTS TO COMPLETE CONTRACT	\$62,057.00
I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors which I ordered and authorized from the contractor in the performance of the above-cited contract.				I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors provided by the contractor in the performance of the above-cited contract.	
Signature of Contractor Representative MTR		Time Arrived on Scene	Time Departed	Signature of Contractor's Authorized Representative	
Daniel M. Caskey 9/11/84		NA	NA	Michael J. Hanfong 9/11/84	

US ENVIRONMENTAL PROTECTION AGENCY HAZARDOUS SUBSTANCE RESPONSE FUND CONTRACTOR COST REPORT				CONTRACTOR PEI			CONTRACT NUMBER 68-01-6894			
CONTRACTOR PERSONNEL REPORT				ASSIGNMENT NUMBER 6894-05-008			DATE Oct. 29, 1984			
1. EMPLOYEES ASSIGNED	2. WORK CLASSIFICATION	3. HOURLY LABOR RATE		4. HOURS EMPLOYED		5. BREAK TIME	6. TOTAL HOURS		7. TRAVEL AND SUBSISTENCE COSTS	8. TOTAL PERSONNEL COSTS
		REGULAR	OVERTIME	FROM	TO		REGU. LAR	OVER-TIME		
Mike Hesling	Response Mgr.	52.50		1300	1700	-	4		-	210.00
Rick Goodman	LABORER	13.80		Week of 9/13/84			5			79.00
				Week of 9/20/84			5			79.00
				Week of 9/27/84			5			79.00
DAVE HILDEBRANDT	Engineer	47.30		Week of 9/16/84			3			141.90
				Week of 9/23/84			2			94.60
Mike Hesling (Mtg of 9/11/84)	Response Manager	52.50		0800	17:00	1:00	8			420.00
									TOTAL PERSONNEL COSTS	1103.50



SUBCONTRACTOR REPORT				CONTRACTOR PEI	CONTRACT NUMBER 68-01-6894
				ASSIGNMENT NUMBER 6894-06-008	DATE Oct. 19, 1984
19. SUBCONTRACTOR NAME	20. WORK DESCRIPTION	21. SUBCONTRACT AMOUNT	23. REMARKS		
PEI LABORATORY	8 VOA Samples 9/18/84	896.00			
	8 VOA Samples 9/20/84	896.00			
	4 VOA Samples 10/4/84	448.00			
	4 VOA Samples 10/11/84	448.00			
	4 VOA Samples 10/17/84	448.00			
CALGON CARBON CORP	ACCELERATED COLUMN TEST	2080.00			
Airborne	Dwgs. to MDNR	14.00			
	Dwgs. to EPA Chicago	9.00			
	H.C. on last 3 items	63.09	Daily 7586.85		
22. TOTAL SUBCONTRACT COSTS		\$5302.09	24. CONTRACT CEILING AMOUNT		\$500,000.00
			25. TOTAL ESTIMATED CONTRACT COSTS TO DATE		\$45,529.85
			26. TOTAL ESTIMATED COSTS TO COMPLETE CONTRACT		\$54,170.15
I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors which I ordered and authorized from the contractor in the performance of the above-cited contract.			I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors provided by the contractor in the performance of the above-cited contract.		
Signature of Subcontractor Representative <i>Daniel M. Caputo</i>		Time Arrived on Scene 10/22/84	Time Departed N/A	Signature of Contractor's Authorized Representative <i>Michael C. Hessberg</i>	
				Date 10/22/84	

US ENVIRONMENTAL PROTECTION AGENCY  
HAZARDOUS SUBSTANCE RESPONSE FUND  
CONTRACTOR COST REPORT

CONTRACTOR  
PEI Associates

CONTRACT NUMBER  
68-01-6894

CONTRACTOR PERSONNEL REPORT

ASSIGNMENT NUMBER  
68-01-05-008

DATE  
October 22, 1984

1. EMPLOYEES ASSIGNED	2. WORK CLASSIFICATION	3. HOURLY LABOR RATE		4. HOURS EMPLOYED		5. BREAK TIME	6. TOTAL HOURS		7. TRAVEL AND SUBSISTENCE COSTS	8. TOTAL PERSONNEL COSTS
		REGULAR	OVERTIME	FROM	TO		REGULAR	OVERTIME		
Mike Hessling	Response Manager	52.50		0900 <del>0830</del>	1730 <del>1500</del>	30	8		60.00	480.00
Tom Dewey	Foreman	23.60		0830	1500	-	6½			218.40
Bob Pope	Welder	31.80		0830	1500	-	6½			204.75
Vic Pershing	Mechanic	26.30		0830	1500	-	6½			170.95
Harvey Shoup	Equip. Operator	22.10		1200	1430	-	2½			55.25
									TOTAL PERSONNEL COSTS	1129.35





SUBCONTRACTOR REPORT				CONTRACTOR PEI Associates, Inc.	CONTRACT NO. 68-01-6802
				ASSIGNMENT NUMBER 68-01-5-008	DATE Oct. 22, 1984
19. SUBCONTRACTOR NAME	20. WORK DESCRIPTION	21. SUBCONTRACT AMOUNT	23. REMARKS		
Calgon Carbon	Disposal of Spent Carbon 40,000 @ \$.12	4,800.00			
	* H.C. @ 37.	144.00			
			6279.35 <del>6279.35</del>		
			24. CONTRACT CEILING AMOUNT	\$500,000.00	
			25. TOTAL ESTIMATED CONTRACT COSTS TO DATE	\$45,180.20	
* Fixed Rate All H.C.??			26. TOTAL ESTIMATED COSTS TO COMPLETE CONTRACT	\$48,190.80	
22. TOTAL SUBCONTRACT COSTS		4944.00			
I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors which I ordered and authorized from the contractor in the performance of the above-cited contract.			I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors provided by the contractor in the performance of the above-cited contract.		
Signature of <del>PEI</del> Representative <i>David M. Caples</i>		Time Arrived on Scene 8:00	Time Departed 18:00	Signature of Contractor's Authorized Representative <i>Michael S. Henning</i>	
				Date 10/23/84	



CONTRACTOR-OWNED EQUIPMENT/MATERIALS REPORT					CONTRACTOR		CONTRACT NO. -A		
					PEI Associates		68-01-689d		
					ASSIGNMENT NUMBER		DATE		
					6894.05-008		Oct 23, 1984		
9. EQUIPMENT USED	10. HOURS USED		11. COST PER HOUR	12. TOTAL HOURS	13. TOTAL COST	15. MATERIALS USED	16. QUANTITY	17. TOTAL COST	
	FROM	TO							
Air Compressor				day	95.00	GASOLINE	25 gal (incl. 10¢/gal)	31.25	
Cutting Torch				day	50.00				
Ladders (2)			15/day	day	10.00				
HAND TOOLS			11.00/day	day	11.00				
CRANE, 25 TON			60/hr	3	180.00				
						3% H.C		.94	
14. TOTAL EQUIPMENT COSTS					\$ 346.00		18. TOTAL MATERIAL COSTS		\$ 32.19

<b>SUBCONTRACTOR REPORT</b>	CONTRACTOR <b>PEDCO Env.</b>	CONTRACT N <b>68-01-6549</b>
	ASSIGNMENT NUMBER <b>6894-05-008</b>	DATE <b>Oct 23, 1984</b>

19. SUBCONTRACTOR NAME	20. WORK DESCRIPTION	21. SUBCONTRACT AMOUNT	23. REMARKS
<b>CALGON CARBON **</b>	Disposal of 40,000# of Spent Carbon	4800.00	<p>* To be compared with prices Provided by Calgon prior to Testing  <i>meff</i>  <i>WMC</i></p> <p>** Support information needed otherwise no H.C. if fixed rate.  <i>WMC</i></p>
	Adjustment to ACT * Test Charge, shown on 10/15/84 @ 2080.00, should be 4160.00	2080.00	
	H.C. @ 3%	206.40	
		<del>100</del>	
		<b>6880.00</b>	
		<b>8838.09</b>	
<b>22. TOTAL SUBCONTRACT COSTS</b>		<b>\$7086.40</b>	<b>24. CONTRACT CEILING AMOUNT</b> \$500,000
			<b>25. TOTAL ESTIMATED CONTRACT COSTS TO DATE</b> \$460,647.29
			<b>26. TOTAL ESTIMATED COSTS TO COMPLETE CONTRACT</b> \$39,352.71

I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors which I ordered and authorized from the contractor in the performance of the above-cited contract.

Signature of GSC Representative <i>David M. Caplin</i>		Time Arrived on Scene <i>8:15</i>	Time Departed <i>17:00</i>	Signature of Contractor's Authorized Representative <i>W C Shearing</i>	Date <i>10/24/84</i>
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US ENVIRONMENTAL PROTECTION AGENCY HAZARDOUS SUBSTANCE RESPONSE FUND CONTRACTOR COST REPORT						CONTRACTOR <i>Petco Env</i>		CONTRACT NUMBER <i>68-01-6594</i>		
CONTRACTOR PERSONNEL REPORT						ASSIGNMENT NUMBER <i>6594-05-008</i>		DATE <i>Oct. 24, 1984</i>		
1. EMPLOYEES ASSIGNED	2. WORK CLASSIFICATION	3. HOURLY LABOR RATE		4. HOURS EMPLOYED		5. BREAK TIME	6. TOTAL HOURS		7. TRAVEL AND SUBSISTENCE COSTS	8. TOTAL PERSONNEL COSTS
		REGULAR	OVERTIME	FROM	TO		REGU-LAR	OVER-TIME		
<i>Mike Hessling</i>	<i>Response Mgr.</i>	<i>52.50</i>		<i>9:30</i>	<i>15:00</i>	<i>30 min</i>	<i>5</i>		<i>.30</i>	<i>292.50</i>
<i>Vic Pershina</i>	<i>Mechanic</i>	<i>26.30</i>		<i>8:00</i>	<i>16:30</i>	<i>30</i>	<i>8</i>			<i>210.40</i>
<i>Tom Dewey</i>	<i>Foreman, L3</i>	<i>33.60</i>		<i>8:00</i>	<i>16:30</i>	<i>30</i>	<i>8</i>			<i>268.80</i>
<i>Bob Pope</i>	<i>Welder</i>	<i>31.50</i>		<i>8:00</i>	<i>16:30</i>	<i>30</i>	<i>8</i>			<i>252.00</i>
<i>Bud Bennett</i>	<i>Equipment Op., L2</i>	<i>27.80</i>		<i>8:20</i>	<i>10:50</i>		<i>3*</i>			<i>83.40</i>
<i>W. Webster</i>	<i>Mechanic</i>	<i>26.30</i>		<i>8:40</i>	<i>10:50</i>		<i>3*</i>			<i>78.90</i>
									<i>\$1156.00</i>	<i>1156.00</i>
* <i>incl. shop maintenance time</i>									TOTAL PERSONNEL COSTS	<i>1156.00</i>

CONTRACTOR-OWNED EQUIPMENT/MATERIALS REPORT

CONTRACTOR  
*Perco Env.*  
ASSIGNMENT NUMBER  
*6894-15-208*

CONTRACT NUMB...  
*68-01-6894*  
DATE  
*Oct. 24, 1984*

9. EQUIPMENT USED	10. HOURS USED		11. COST PER HOUR	12. TOTAL HOURS	13. TOTAL COST	15. MATERIALS USED	16. QUANTITY	17. TOTAL COST		
	FROM	TO								
<i>Air Compressor (1)</i>	<i>8:00</i>	<i>11:30</i>	<i>95/d</i>	<i>d</i>	<i>95.00</i>	<i>Gasoline @ 1.25/gal.</i>	<i>10 gal.</i>	<i>12.50</i>		
<i>Cutting torch (1)</i>	<i>13:00</i>	<i>14:00</i>	<i>8/h.</i>	<i>1</i>	<i>8.00</i>					
<i>Ladders (2)</i>	<i>8:10</i>	<i>11:30</i>	<i>5/d</i>	<i>d</i>	<i>10.00</i>					
<i>Hand tools (1)</i>	<i>8:00</i>	<i>11:30</i>	<i>11/d</i>	<i>d.</i>	<i>11.00</i>					
<i>Crane, 25 ton</i>	<i>8:30</i>	<i>11:00</i>	<i>60/h</i>	<i>3h.<sup>*</sup></i>	<i>180.00</i>				<i>HC. @ 37¢</i>	<i>.38</i>
<i>Power threader</i>	<i>13:00</i>	<i>14:00</i>	<i>4/h</i>	<i>1h.</i>	<i>4.00</i>					
14. TOTAL EQUIPMENT COSTS					<i>309.00</i>	15. TOTAL MATERIAL COSTS				

*\* does not include 1/2 preparation time*

<b>SUBCONTRACTOR REPORT</b>	<b>CONTRACTOR</b> <i>Parko Env.</i>	<b>CONTRACT NUMBER</b> <i>68-01-4</i>
	<b>ASSIGNMENT NUMBER</b> <i>6894-05-008</i>	<b>DATE</b> <i>Oct. 24, 1984</i>

19. SUBCONTRACTOR NAME	20. WORK DESCRIPTION	21. SUBCONTRACT AMOUNT	23. REMARKS
<i>Carbon Carbon *</i>	<i>Disposed of 20,000 lb. of spent carbon @ 12¢/lb</i>  <i>HC @ 3%</i>	<i>\$ 2400.00</i> <hr/> <i>\$ 72.00</i> <hr/> <i>\$ 2472.00</i>	<i>* Support information needed to justify subcontract item. otherwise item is fixed rate w/ no H.C.</i>
			<i>Daily Total \$ 377.88</i>
<b>22. TOTAL SUBCONTRACT COSTS</b>			<b>24. CONTRACT CEILING AMOUNT</b> <i>\$ 500,000.00</i>
			<b>25. TOTAL ESTIMATED CONTRACT COSTS TO DATE</b> <i>\$ 464,686.57</i>
			<b>26. TOTAL ESTIMATED COSTS TO COMPLETE CONTRACT</b> <i>\$ 35,373.89</i>
<b>22. TOTAL SUBCONTRACT COSTS</b> <i>\$ 2472.00</i>			

I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors which I ordered and authorized from the contractor in the performance of the above-cited contract.

<b>Signature of EPA Representative</b> <i>Daniel M. Caplice 10/25/84</i>	<b>Time Arrived on Scene</b> <i>8:10</i>	<b>Time Departed</b> <i>16:30</i>	<b>Signature of Contractor's Authorized Representative</b> <i>Michael C. [Signature]</i>	<b>Date</b> <i>12/4/84</i>
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US ENVIRONMENTAL PROTECTION AGENCY HAZARDOUS SUBSTANCE RESPONSE FUND CONTRACTOR COST REPORT				CONTRACTOR <i>Pedco Env.</i>			CONTRACT NUMBER <i>68-01-6894</i>			
CONTRACTOR PERSONNEL REPORT				ASSIGNMENT NUMBER <i>6894-05-008</i>			DATE <i>Oct. 25, 1984</i>			
1. EMPLOYEES ASSIGNED	2. WORK CLASSIFICATION	3. HOURLY LABOR RATE		4. HOURS EMPLOYED		5. BREAK TIME	6. TOTAL HOURS		7. TRAVEL AND SUBSISTENCE COSTS	8. TOTAL PERSONNEL COSTS
		REGULAR	OVERTIME	FROM	TO		REGULAR	OVERTIME		
<i>Vic Pershina</i>	<i>Mechanic</i>	<i>26.30</i>		<i>8:00</i>	<i>13:00</i>	<i>-</i>	<i>5</i>			<i>131.50</i>
<i>Tom Dewey</i>	<i>Foreman, Lvl. 3</i>	<i>33.60</i>		<i>8:00</i>	<i>13:30</i>	<i>30</i>	<i>5</i>			<i>168.00</i>
<i>Bob Pope</i>	<i>Welder</i>	<i>31.50</i>		<i>8:00</i>	<i>13:30</i>	<i>30</i>	<i>5</i>			<i>157.50</i>
<i>Harvey Shoup</i>	<i>Equip. Op. Lvl. 1</i>	<i>22.10</i>		<i>8:00</i>	<i>13:30</i>	<i>30</i>	<i>5 1/2</i>			<i>121.55</i>
<i>Bud Bennett</i>	<i>Equip. Op. Lvl. 2</i>	<i>27.80</i>		<i>8:00</i>	<i>13:00</i>	<i>-</i>	<i>5</i>			<i>139.00</i>
<i>W. Webster</i>	<i>Mechanic</i>	<i>26.30</i>		<i>8:00</i>	<i>13:00</i>	<i>-</i>	<i>5</i>			<i>131.50</i>
									<i>\$ 849.05</i>	
* <i>incl. 1/2 hr for equipment maintenance</i>									<b>TOTAL PERSONNEL COSTS</b>	<i>19.05</i>



CONTRACTOR-OWNED EQUIPMENT/MATERIALS REPORT

CONTRACTOR

*Pedco Env.*

CONTRACT NUMBER

~~6894~~ - 6894

ASSIGNMENT NUMBER

6894-05-008

DATE

*Oct. 25, 1987*

9. EQUIPMENT USED	10. HOURS USED		11. COST PER HOUR	12. TOTAL HOURS	13. TOTAL COST	15. MATERIALS USED	16. QUANTITY	17. TOTAL COST
	FROM	TO						
<i>Ladders (2)</i>			<i>\$5/day</i>	<i>4</i>	<i>10.00</i>	<i>Gasoline @ \$1.25/gal</i>	<i>- 0 -</i>	<i>- 0 -</i>
<i>Hand Tools (1)</i>			<i>11/d</i>	<i>4</i>	<i>11.00</i>			
<i>Backhoe (1)</i>	<i>8:00</i>	<i>13:00</i>	<i>32/hr.</i>	<i>5hr.</i>	<i>160.00</i>			
<i>Crane, 25 Ton (1)</i>	<i>8:00</i>	<i>13:00</i>	<i>60/hr.</i>	<i>5hr.</i>	<i>300.00</i>			
<i>Air compressor</i>	<i>8:00</i>	<i>13:00</i>	<i>16/hr.</i>	<i>5hr.</i>	<i>80.00</i>			
					<i>\$561.00</i>			
14. TOTAL EQUIPMENT COSTS					<i>\$561.00</i>	18. TOTAL MATERIAL COSTS		
					<i>561.00</i>	<i>- 0 -</i>		

SUBCONTRACTOR REPORT			CONTRACTOR <i>Perko Env.</i>	CONTRACT NUM. <i>68-01-6894</i>	
			ASSIGNMENT NUMBER <i>6894-05-008</i>	DATE <i>Oct. 25, 1984</i>	
19. SUBCONTRACTOR NAME	20. WORK DESCRIPTION	21. SUBCONTRACT AMOUNT	23. REMARKS		
<u>CREDIT</u> <i>Central Iron &amp; Metal Co., Inc.</i>	<i>Salvage of pipe 14,540 lbs @ \$25/Ton</i>	<i>\$ 181.75</i>			
			<i>daily Total \$ 1228.30</i>		
			24. CONTRACT CEILING AMOUNT	<i>\$500,000.00</i>	
			25. TOTAL ESTIMATED CONTRACT COSTS TO DATE	<i>\$465,857.47</i>	
22. TOTAL SUBCONTRACT COSTS			<i>(181.75)</i>	26. TOTAL ESTIMATED COSTS TO COMPLETE CONTRACT <i>\$ 34,145.53</i>	
I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors which I ordered and authorized from the contractor in the performance of the above-cited contract.			I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors provided by the contractor in the performance of the above-cited contract.		
Signature of <del>EPA</del> Representative <i>Don M. Caplice</i>		Time Arrived on Scene <i>10/25/84 7:50</i>	Time Departed <i>15:00</i>	Signature of Contractor's Authorized Representative <i>Michael C. Sheerling</i>	Date <i>12/7/84</i>

Form Approved  
OMB No. 2000-02  
Approval expires 1

US ENVIRONMENTAL PROTECTION AGENCY HAZARDOUS SUBSTANCE RESPONSE FUND CONTRACTOR COST REPORT				CONTRACTOR <i>PEI, INC.</i>			CONTRACT NUMB. <i>68-01-6894</i>			
CONTRACTOR PERSONNEL REPORT				ASSIGNMENT NUMBER <i>6894-05-008</i>			DATE <i>11/27/84</i>			
1. EMPLOYEES ASSIGNED	2. WORK CLASSIFICATION	3. HOURLY LABOR RATE		4. HOURS EMPLOYED		5. BREAK TIME	6. TOTAL HOURS		7. TRAVEL AND SUBSISTENCE COSTS	8. TOTAL PERSONNEL COSTS
		REGULAR	OVERTIME	FROM	TO		REGULAR	OVERTIME		
<i>Dick Hook *</i>	<i>FOREMAN (LEVEL 3)</i>	<i>33.60</i>	<i>44.10</i>				<i>41.5</i>			<i>1,394.40</i>
<i>MIKE HESSLING</i>	<i>RESPONSE MANAGER</i>	<i>52.50</i>	<i>64.10</i>						<i>344.00</i> <i>(11/21 air fare)</i>	<i>344.00</i>
<i>MIKE HESSLING **</i> <i>(WEEK ENDING 11/25)</i>	<i>RESPONSE MGR.</i>	<i>"</i>	<i>"</i>				<i>24</i>			<i>1,260.00</i>
<i>MIKE HESSLING **</i> <i>(WEEK ENDING 12/1)</i>	<i>RESPONSE MGR.</i>	<i>"</i>	<i>"</i>				<i>12</i>			<i>630.00</i>
<i>Victoria Singer **</i>	<i>FIELD CLERK TYPIST</i> <i>(LEVEL 1)</i>	<i>15.80</i>	<i>21.50</i>				<i>12</i>			<i>189.60</i>
<i>* Labor to review as-built drawings and install transformer</i>										
<i>** Preparation of Final Report</i>										
<b>TOTAL PERSONNEL COST</b>									<i>3,818.00</i>	<del><i>4,628.40</i></del>

**CONTRACTOR-OWNED EQUIPMENT/MATERIALS REPORT**

CONTRACTOR  
*FEI, INC.*  
ASSIGNMENT NUMBER  
*6894-05-008*

CONTRACT NUMBER  
*68-01-6899*  
DATE  
*11/27/84*

9. EQUIPMENT USED	10. HOURS USED		11. COST PER HOUR	12. TOTAL HOURS	13. TOTAL COST	15. MATERIALS USED	16. QUANTITY	17. TOTAL COST
	FROM	TO						
						<p><i>UNION ELECTRIC (MID STATE) Tax</i></p> <p><i>HUNTER PRELL</i></p> <p><i>3% handling</i></p>	<p><i>mat'ls req'd to install transformer</i></p> <p><i>misc. pipe and fittings to redirect drain on overhead pipe</i></p>	<p><del>18.03</del> <i>3.95</i></p> <p><del>300.77</del> <i>300.77</i></p> <p><i>12.10</i></p>
14. TOTAL EQUIPMENT COSTS						18. TOTAL MATERIAL COSTS		<i>415.45</i>

**SUBCONTRACTOR REPORT**

CONTRACTOR <i>PEI, INC.</i>	CONTRACT NUMBER <i>68-01-6894</i>
ASSIGNMENT NUMBER <i>68-01-05-008</i>	DATE <i>11/27/84</i>

19. SUBCONTRACTOR NAME	20. WORK DESCRIPTION	21. SUBCONTRACT AMOUNT	23. REMARKS
<i>Union Electric (Clark Construction)</i>	<i>Install transformer pad</i>	<del><i>300.00</i></del> <i>300.00</i> <i>12.00</i>	
<i>(Consumers Power)</i>	<i>Rental for one (1) 150kVA padmount transformer (6/11/84 through 8/7/84)</i>	<del><i>240.00</i></del> <i>240 -</i> <i>4.60</i>	
	<i>3% handling</i>	<i>16.85</i>	
			<i>Daily total 4811.90</i> <del><i>\$4,627.30</i></del>
24. CONTRACT CEILING AMOUNT			<i>\$500,000.00</i>
25. TOTAL ESTIMATED CONTRACT COSTS TO DATE			<i>\$470,666.37</i>

22. TOTAL SUBCONTRACT COSTS	<i>\$578.45</i>	26. TOTAL ESTIMATED COSTS TO COMPLETE CONTRACT	<i>\$29,333.63</i>
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I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors which I ordered and authorized from the contractor in the performance of the above-cited contract.

Signature of GSE Representative <i>Dan M. Galic</i>	Time Arrived on Scene <i>11/27/84</i>	Time Departed <i>4/12</i>
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I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors provided by the contractor in the performance of the above-cited contract.

Signature of Contractor's Authorized Representative <i>Michael C. [Signature]</i>	Date <i>11/27/84</i>
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US ENVIRONMENTAL PROTECTION AGENCY  
HAZARDOUS SUBSTANCE RESPONSE FUND  
CONTRACTOR COST REPORT

CONTRACTOR  
PEI Associates

CONTRACT NUMBER  
68-01-6894

CONTRACTOR PERSONNEL REPORT

ASSIGNMENT NUMBER  
6894-05-008

DATE  
Dec. 14, 1984

1. EMPLOYEES ASSIGNED	2. WORK CLASSIFICATION	3. HOURLY LABOR RATE		4. HOURS EMPLOYED		5. BREAK TIME	6. TOTAL HOURS		7. TRAVEL AND SUBSISTENCE COSTS	8. TOTAL PERSONNEL COSTS
		REGULAR	OVERTIME	FROM	TO		REGU-LAR	OVER-TIME		
Mike Hessling	Response Mgr	52.50		4						210.00
Vickie Singer	Field Clerk	15.80		4						63.20
									TOTAL PERSONNEL COSTS	273.20

CONTRACTOR-OWNED EQUIPMENT/MATERIALS REPORT

CONTRACTOR  
*PEI Associates*  
 ASSIGNMENT NUMBER  
*6894-05-008*

CONTRACT NUMBER  
*68-01-6894*  
 DATE  
*Dec. 14-1984*

9. EQUIPMENT USED	10. HOURS USED		11. COST PER HOUR	12. TOTAL HOURS	13. TOTAL COST	15. MATERIALS USED	18. QUANTITY	17. TOTAL COST
	FROM	TO						
						Diesel Fuel (H.P.) ✓		12.67
						Grass Seed (Hoffman) ✓	100 <sup>00</sup>	175.00
						Rebar (Alro steel) ✓		99.46
						Misc electrical Supplies ✓ <del>To install &amp; modify level controls, &amp; install lights &amp; switches (Union 2nd Invoice)</del>		664.18
						Credit for Fuel from Hoffman Bros. estimated on '55s but not billed to PEI ✓		(668.75)
						Summit - Delivery of Level Controllers ✓		44.90
						Handling Charge		9.82
14. TOTAL EQUIPMENT COSTS						16. TOTAL MATERIAL COSTS		337.28

*Note: Supplies were for installation of permanent transformer*  
*DNC 12/14/84*





US ENVIRONMENTAL PROTECTION AGENCY  
HAZARDOUS SUBSTANCE RESPONSE FUND  
CONTRACTOR COST REPORT

CONTRACTOR  
*PEI Associates*  
ASSIGNMENT NUMBER  
*6894-05-008*

CONTRACT NUMBER  
*68-01-6894*  
DATE  
*1/22/85*

CONTRACTOR PERSONNEL REPORT

1. EMPLOYEES ASSIGNED	2. WORK CLASSIFICATION	3. HOURLY LABOR RATE		4. HOURS EMPLOYED		5. BREAK TIME	6. TOTAL HOURS		7. TRAVEL AND SUBSISTENCE COSTS	8. TOTAL PERSONNEL COSTS
		REGULAR	OVERTIME	FROM	TO		REGU-LAR	OVER-TIME		
<i>MIKE HESSLING *</i>	<i>Response Manager</i>	<i>52.50</i>	<i>64.10</i>				<i>2</i>			<i>105.00</i>
<i>VICTORIA SINGER *</i>	<i>FIELD Clerk / Typist (LEVEL 1)</i>	<i>15.80</i>	<i>21.50</i>				<i>2</i>			<i>31.60</i>
<i>VALERIE NORTH *</i>	<i>FIELD Clerk / Typist (LEVEL 1)</i>	<i>15.80</i>	<i>21.50</i>				<i>2</i>			<i>31.60</i>
<i>*Preparation of final report</i>										
									TOTAL PERSONNEL COST	<i>8.30</i>

**CONTRACTOR-OWNED EQUIPMENT/MATERIALS REPORT**

CONTRACTOR  
*PEI Associates*  
ASSIGNMENT NUMBER  
*6894-05-008*

CONTRACT NUMBER  
*68-01-6894*  
DATE  
*1/22/85*

9. EQUIPMENT USED	10. HOURS USED		11. COST PER HOUR	12. TOTAL HOURS	13. TOTAL COST	15. MATERIALS USED	16. QUANTITY	17. TOTAL COST	
	FROM	TO							
/									
14. TOTAL EQUIPMENT COSTS					0	18. TOTAL MATERIAL COSTS			0

**SUBCONTRACTOR REPORT**

CONTRACTOR <i>PEI Associates</i>	CONTRACT NUMBER <i>68-01-6894</i>
ASSIGNMENT NUMBER <i>6894-05-008</i>	DATE <i>1/22/85</i>

19. SUBCONTRACTOR NAME	20. WORK DESCRIPTION	21. SUBCONTRACT AMOUNT	23. REMARKS
			<p><i>Daily total \$168.20</i></p>

22. TOTAL SUBCONTRACT COSTS	\$	24. CONTRACT CEILING AMOUNT	<i>\$500,000.00</i>
		25. TOTAL ESTIMATED CONTRACT COSTS TO DATE	<i>\$468,649.05</i>
		26. TOTAL ESTIMATED COSTS TO COMPLETE CONTRACT	<i>\$31,305.95</i>

I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors which I ordered and authorized from the contractor in the performance of the above-cited contract.

I certify that this report is a true and complete record of the labor, supervision, travel, equipment, materials, and subcontractors provided by the contractor in the performance of the above-cited contract.

Signature of GAC Representative <i>David M. Caplan</i>	Time Arrived on Scene <i>2/5/85</i>	Time Departed <i>N/A</i>	Signature of Contractor's Authorized Representative <i>[Signature]</i>	Date <i>1/25/85</i>
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APPENDIX M

Incident Obligation Log

INCIDENT OBLIGATION LOG

(1) Incident Name or Site Number VERONA WELL FIELD - BATTLE CREEK, MI	(2) Total Amount Approved \$ \$500,000.00		(3) Balance Carried Forward \$ 500,000.00	
(4) Description of Obligation (Vendor Name) PEDCO - ERCS	(5) Document Control Number	(a) Date	(7) Amount	(8) Balance
		4/25/84	1,183.40	498,816.60
		4/27/84	671.30	498,145.30
		5/03/84	1,140.10	497,031.20
		5/04/84	3,815.60	493,215.60
		5/07/84	3,901.88	489,313.72
		5/08/84	3,873.47	485,440.25
		5/09/84	7,339.77	478,100.48
		5/10/84	98,801.95	379,298.53
		5/11/84	7,317.37	371,981.16
		5/14/84	4,024.05	367,957.11
		5/15/84	5,332.93	362,624.18
		5/16/84	16,410.76	346,213.42
		5/17/84	8,696.43	337,516.99
		5/18/84	7,481.05	330,035.94

Block Number

Instructions:

- (1) The incident name or site/spill number.
- (2) Total approved amount is entered from the PERMP.
- (3) If this is a continuation of an established log, enter the balance remaining from line 8 of the previous page. On the first page, line 2 and line 3 are the same.
- (4) Write a short description of the obligation (i.e., "Contract with ABC Corp." or P.O. for Field Supplies"). Enter document obligation number if known (i.e., Contract or P.O. Number).
- (5) Enter the document control number in sequence from the block of numbers obtained for the site/incident.
- (a) Enter the date on which you incurred the expense.
- (7) Enter the amount of the obligation. Subtract from line 3 and enter balance on line 8.

INCIDENT OBLIGATION LOG

(1) Incident Name or Site Number VERONA WELL FIELD - BATTLE CREEK, MI	(2) Total Amount Approved \$ \$500,000.00		(3) Balance Carried Forward \$ 196,836.07	
(4) Description of Obligation (Vendor Name) PEDCO - ERCS	(5) Document Control Number	(6) Date	(7) Amount	(8) Balance
		6/11/84	17,912.60	178,923.47
		6/12/84	22,911.80	156,011.67
		6/13/84	2005.10	154,006.57
		6/14/84	3045.51	150,961.06
		6/26/84	18,334.83	132,626.23
		7/05/84	520.80	132,105.43
		7/09/84	20,575.50	111,529.93
		8/09/84	27,546.93	83,983.00
		9/09/84	21,926.00	62,057.00
		10/22/84	7586.85	54,470.15
		10/22/84	6279.35	48,190.80
		10/23/84	8838.09	39,362.71
		10/24/84	3978.88	35,373.83
		10/25/84	1228.30	34,145.53

Block Number

Instructions:

- (1) the incident name or site/spill number.
- (2) Total approved amount is entered from the P.M.R.C.P.
- (3) if this is a continuation of an established log, enter the balance cumulating from line 8 of the previous page. On the first page, line 2 and line 3 are the same.
- (4) Write a short description of the obligation (i.e., "Contract with ABC Corp." or P.O. for Field Supplies). Enter document obligation number if known (i.e., Contract or P.O. Number).
- (5) Enter the document control number in sequence from the block of numbers obtained for the site/incident.
- (6) Enter the date on which you incurred the expense.
- (7) Enter the amount of the obligation. Subtract from line 3 and enter balance on line 8.



APPENDIX N

Certified Contractor Invoices



*Harold Gibson*

**CONTRACT STATUS NOTIFICATION**

**INSTRUCTIONS**

- Complete and return to the servicing finance office indicated below.
- Only the original need be returned; you may retain the copies if desired.
- 3. If you cannot approve payment, return the voucher and a memorandum of explanation as soon as possible.
- 4. Return of this form or a memorandum must be accomplished within one week. Servicing finance offices will follow-up late reports. This is necessary to assure responsive payment processing to the contractor.

<b>SERVICING FINANCE OFFICE</b> Environmental Protection Agency Financial Management Division Contracts Financial Operations (MD-32) Research Triangle Park, N.C. 27711	(629-3042) <b>CONTRACTOR NAME</b> <i>FRANCIS...</i>
	<b>CONTRACT NUMBER</b> <i>62-01-6271</i>
	<b>CONTRACT VOUCHER NO.</b> <b>DATE</b> <i>1</i> <i>1/15/71</i>

I have determined that the above cited contract is underway and the payment requested is commensurate with the contractor's level of progress.

Check one:

- Goods or services have been delivered as requested by the contract to support this payment.
- Sufficient progress has been made by the contractor to support this progress payment as authorized by the contract.

**PAYMENT DOCUMENT  
REQUIRES IMMEDIATE ACTION**

<b>PROJECT OFFICER (Above cited contract)</b> <i>See attached memorandum</i>	<b>DATE</b> <i>1/15/71</i>
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FORM NO. 1004 FEBRUARY 1973 GSA GEN. REG. NO. 27 5010-107		PUBLIC VOUCHER FOR PURCHASES AND SERVICES OTHER THAN PERSONAL			VOUCHER NO. 1008-1		
NAME OF AGENCY OR OFFICE OF ORIGIN AND ADDRESS Environmental Protection Agency Financial Management Division Contracts Financial Operations & Information Section (MD-32) Research Triangle Park, N.C. 27711				DATE VOUCHER ISSUED 6/11/84		GENERAL NO.	
PAYEE'S NAME AND ADDRESS REMIT TO: CENTRAL TRUST COMPANY, N.A. ASSIGNEE FOR PEDCO ENVIRONMENTAL, INC. DEPARTMENT 156 CINCINNATI, OHIO 45296				CONTRACT NUMBER AND DATE 68-01-6894		PAID BY	
				BUDGET NUMBER AND DATE T.O. #6894-05-0008		DATE PAID	
				GOVERNMENT OF U.S. NUMBER		PAYEE'S ACCOUNT NUMBER	
NUMBER AND DATE OF ORDER		DATE OF SERVICE		ARTICLES OR SERVICES (List description and number of units or Federal app.; include and enter information about currency)		QUAN. UNIT	
UNIT PRICE DOLLARS CENTS		AMOUNT DOLLARS CENTS		TOTAL		AMOUNT	
For reimbursement of costs incurred under the above-cited contract as detailed in attached summary of Costs.  (SEE ATTACHED)		\$301,204.76		\$301,204.76		\$301,204.76	
PAYMENT <input type="checkbox"/> CASH <input type="checkbox"/> CHECK <input type="checkbox"/> MONEY ORDER <input type="checkbox"/> DEBIT CARD		APPROVED FOR BY TITLE		EXCHANGE RATE @ \$1.00		DIFFERENCES	
PAYEE'S AUTHORITY, TITLE, AND SIGNATURE FOR THE CURRENCY IS CORRECT AND PROPER TO PAYMENT		(Name) (Authorized Contracting Officer) (Title)		ACCOUNTING CLASSIFICATION		PAID 7/1/84	
CHECK NUMBER ON TREASURER OF THE UNITED STATES		CHECK NUMBER ON (Name of Bank)		DATE		PAYEE'S	
SIGNATURE		SIGNATURE		DATE		TITLE	



# PEDCO ENVIRONMENTAL

11499 CHESTER ROAD

CINCINNATI, OHIO 45246

SOLD TO: U.S. ENVIRONMENTAL PROTECTION AGENCY

DATE 6/11/84

INVOICE NO. 1008-1

OUR ORDER NO. PN-1008

CUST. ORDER NO. 68-01-6894  
T.O. #6894-05-0008

ATTENTION:

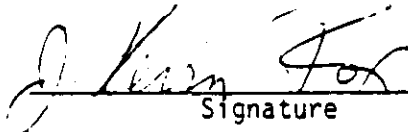
TERMS: NET CASH UPON PRESENTATION OF INVOICE

BATTLE CREEK

PERFORMANCE PERIOD 5/24/84-6/1/84

<u>CATEGORY</u>	<u>CURRENT</u>	<u>CUMULATIVE</u>
Labor	\$75,965.30	\$ 75,965.30
Travel & Subsistence	2,749.00	2,749.00
Equipment Usage	41,241.30	41,241.30
Materials	162,556.46	162,556.46
Transportation	2,781.00	2,781.00
Disposal	-	-
Sampling/Analysis	-	-
Subcontract Services	15,911.70	15,911.70
Other	-	-
<b>TOTAL INVOICE</b>	<b>\$301,204.76</b>	<b>\$301,204.76</b>

**CERTIFICATION:** I CERTIFY THAT THIS INVOICE IS CORRECT AND IN ACCORDANCE WITH TERMS OF THE CONTRACT AND THAT THE COSTS INCLUDED HEREIN HAVE BEEN INCURRED, REPRESENT PAYMENTS MADE BY THE CONTRACTOR, AND PROPERLY REFLECT THE WORK PERFORMED.

  
Signature

Controller  
Title

# INVOICE

CERTIFICATION

I CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THE SERVICES SHOWN ON THE INVOICE HAVE BEEN PERFORMED AND ARE ACCEPTED.

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION V

DATE: JUN 22 1984

SUBJECT: Review of Pedco's Invoice for Work at Verona Well Field (6-11-84)

FROM: Daniel M. Caplice, RPM/OSC *DM Caplice 6/22/84*  
Remedial Response Section I

TO: Dorothy Brittan  
Contract Specialist (PM-214-F)

I have received a copy of invoice number 1008-1, dated June 11, 1984, from Pedco Environmental Incorporated. The invoice is for the work performed at the Verona Well Field in Battle Creek, Michigan between April 26 and June 1, 1984 (delivery order number eight). The ERCS contract (Number 68-016894) requires that I either approve payment of the invoiced amount, or that I return a memorandum explaining why I have not or cannot approve the payment. The purpose of this memorandum is to fulfill that contractual requirement.

I will not certify that services shown on the invoice have been performed and are accepted. Even though the invoice was prepared properly according to the contract, I have seen no documentation besides the U.S. EPA 1900-55 forms to support this voucher. Without such information, I consider this invoice to be incomplete as it presently stands.

The amount that has been invoiced by Pedco has been taken directly from the 1900-55 form of June 8, 1984. While the 1900-55 forms do accurately reflect the quantities of equipment, material, and personnel that were used on the project, they do not reasonably reflect the costs that Pedco has incurred.

The 1900-55 forms that have been completed for this project were based either on the fixed rates found in Appendix C-1 of the ERCS contract, or on rates that were set in the field and were based on the fixed rates in Appendix C-1. According to Article XII Paragraph G of the contract, the cost of subcontracts which are not included as part of the permanent contract team, shall be reimbursable costs. Reimbursable costs shall be limited to the amounts paid to the subcontractor in the same manner as for items and services purchased directly for the contract. Paragraph H of the same article further allows for a material and handling charge of three percent of the actual cost incurred to be paid to Pedco.

Work at the Verona Well Field was accomplished without utilizing any member of the permanent contract team as listed in Article XXXIV of the contract. Therefore, I believe, that in accordance with the aforementioned articles of the contract, all costs associated with the Verona Well Field project should

be reimbursable only as the costs directly incurred by Pedco plus a three percent handling charge. There should be no negotiations of rates during the review and audit of this project. There should only be a review of the costs that Pedco has paid out to the subcontractors in order to insure that these costs are reasonable and competitive as required by Paragraph I of Article XII of the contract. The review should also include a comparison of the quantities paid for by Pedco versus the quantities that are listed on the completed 1900-55 forms.

Based on all of this information, I recommend that Pedco Environmental Incorporated be paid not more than 75% (\$225,903.57) of the amount that has been requested on their voucher. The full amount requested should not be paid until this project has been audited and the accounts have been reconciled.

If there are any questions or comments on this subject, please contact me at FTS 886-0397.

cc: Bowden  
Bartelt  
Maier  
Brouck

7/3/84

ERCS

Robert J. Rowden, DPO  
Zone III ERCS

Dorothy Britton, Contract Officer  
John Bruck, PEDCO  
James Jowett, Project Officer

There has been some confusion regarding the correct mode of billing for services provided under the ERCS Contract. The contract provides for two modes of billing. One is the fixed rates for labor supplies and equipment and the second is cost plus 3% reimbursable costs.

Article XI, of the contract establishes fixed rates for labor equipment and other items. Article XII, Paragraph A, states that the government shall pay the contractor for performance of the work in accordance with Article XI. However, Article XII, Paragraph G states, "The costs of subcontracts which are not included as part of the permanent contract team as specified in Article XXXIV, shall be reimbursable costs." Article XXXIV, establishes the identity of the permanent contract team and provides for additions and deletions if approved in writing by the Contracting Officer.

My interpretation of this is as follows:

1. If services are provided by or through one of the permanent contract team, then PEDCO is paid the fixed rates according to Article XI. If equipment, supplies or services which are not listed in Article XI, are provided by a permanent team member, then a temporary rate will be agreed to in the field and used for the purposes of cost tracking until an official rate can be negotiated by the Contracting Officer. The official rate negotiated by the Contract Officer is the only rate which will actually be paid.
2. If services are provided by a contractor, supplier, government agency or any other entity which is not part of the permanent contract team the payment shall be on a reimbursable basis per Article XII Paragraph G.
3. If a permanent team member (not PEDCO) provides services by subcontracting with a contractor or source who is not a permanent team member then PEDCO will be paid the fixed rates according the Article XI. However, if PEDCO Contracts directly for the same services then PEDCO would be paid on the reimbursable basis.

If you do not concur with this interpretation of the contract please contact me immediately. If no one contacts me by July 13, 1984, I will issue this interpretation to all OSC's with instructions that it be implemented on all delivery orders.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION V

DATE:

SUBJECT: Certification of Invoice - Verona Well Field

FROM: Daniel M. Caplice, RPM/OSC  
Remedial Response Section I

*DM Caplice 7/19/84*

TO: Robert J. Bowden, DPO

I would like to clarify a few points that you addressed in your July 3, 1984, memo. Evidently, my memo of June 22, 1984 has resulted in some questions and concerns on your part.

In my memo I stated that I could not certify that the services shown on the invoice had been performed and accepted. The invoice submitted by Pedco does comply with Section C of Article XIII of the ERCS contract, but it does not fulfill the requirements of Article XIV. Section a.iii under INVOICES of this article, states that an invoice must include the contract description of supplies or services, quantity, contract unit of measure or unit price, and an extended total. Invoice number 1008-1 from Pedco only lists the major cost elements and extended prices. There are no descriptions of the supplies or services, no quantities, and no unit measures or unit prices. I do not feel that I can truthfully certify that the services shown on this invoice have been performed when the invoice does not actually show any services. If there was supporting documentation, or if the invoice was broken down further, then I would not have a problem with signing the certification form.

In regard to your concern about any interest payments that the U.S. EPA may incur under the provisions of Public Law 97-177, the Prompt Payment Act, I have been advised that this area is addressed in Article XIV of the ERCS contract. This article states that the provisions of the Prompt Payment Act apply only to the final payment to be made following the completion of the services required by the statement of work. Progress payments, such as this invoice, which are made during the performance of the contract are not subject to the article provision dealing with interest on overdue payments. Therefore, there should be no increased costs.

If you have any further questions or comments pertaining to this matter, please call me at (312) 886-0397.

cc: Brittan (PM-214-F)  
Bartelt, SHR  
Maier, WH 548-B  
Talbert, 5C  
Brouck



MEMORANDUM TO THE FILE

SUBJECT: Contract No. 68-01-6894  
Delivery Order No. 6894-05-008  
Certification of Invoices

RECEIVED

AUG 7 1984

Remedial Response  
Section I

On August 1, I spoke to Dan Caplice because there have been several discussions concerning the voucher certification process submitted for Delivery Orders issued under the PEDCo contract. Below is a summary of our discussion that provided contractual guidance of this process.

ARTICLE XIII - SUBMISSION OF INVOICES addresses the structure of invoices to be submitted for the management portion of the contract and for individual Delivery Orders which PEDCo is fulfilling. The reason for the brief requirements for the Delivery Order voucher is because the daily 1900-55's are to be used as backup. The 1900-55s are reviewed for accuracy in reporting items, quantities, time periods, etc. for labor, materials and subcontracts. The costs may reflect the fixed rates or estimates of costs that will be negotiated. The invoice shall reflect the actual incurred costs. However, if the invoiced amount appears unrealistically high or low based on the 1900-55 estimate of the voucher period then the CO should be notified. Otherwise the voucher is to be certified and forwarded to RTP for payment of 95% of the total amount. Paragraph F of this Article states the agreement that no invoice for a Delivery Order will be marked as completed until that Delivery Order has been definitized.

ARTICLE XIV - APPLICATION OF PROMPT PAYMENT ACT states that the Act applies only to the final payment which is to be made upon completion of the work. This article requires a greater amount of voucher detail than ARTICLE XIII.

In accordance with ARTICLE XV - DEFINITIZATION OF DELIVERY ORDERS, the Contracting Officer (CO) shall definitize the Delivery Order within 60 days after receipt of the contractor's summary of all costs claimed. This summary is to be received by the CO within 30 days after completion of the Delivery Order.

I hope I have clarified the contractual requirements of voucher certification. However, if it is felt that more details in the Delivery Orders may be necessary in addition to the daily 1900-55s please let me know.

8/2/84  
Date

Dorothy Britton  
Dorothy Britton  
Contracting Officer  
Procurement Section H  
(PM-214-F)

# CONTRACT STATUS NOTIFICATION

## INSTRUCTIONS

1. Complete and return to the servicing finance office indicated below.
2. Only the original need be returned; you may retain the copies if desired.
3. If you cannot approve payment, return the voucher and a memorandum of explanation as soon as possible.
4. Return of this form or a memorandum must be accomplished within one week. Servicing finance offices will follow-up late reports. This is necessary to assure responsive payment processing to the contractor.

<b>SERVICING FINANCE OFFICE</b>  Environmental Management Division Financial Operations (110-02) Research Triangle Park, N.C. 27711	<b>CONTRACTOR NAME</b>	
	<b>CONTRACT NUMBER</b>	
	<b>CONTRACT VOUCHER NO.</b>	<b>DATE</b>

I have determined that the above cited contract is underway and the payment requested is commensurate with the contractor's level of progress.

Check one:

- Goods or services have been delivered as requested by the contract to support this payment.
- Sufficient progress has been made by the contractor to support this progress payment as authorized by the contract.

<b>PROJECT OFFICER (Above cited contract)</b>  <i>[Signature]</i>	<b>DATE</b>
---	-------------

Standard Form 1000 (Rev. 10-1-77) GPO: 1978 O-312-115		PUBLIC VOUCHER FOR PURCHASES AND SERVICES OTHER THAN PERSONAL				VOUCHER NO 1008-2	
U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES Environmental Protection Agency Financial Management Division Contracts Financial Operations & Information Section (MD-32) Research Triangle Park, N.C. 27711			DATE VOUCHER PREPARED 9/14/84		GENERAL NO		
PAYEE'S NAME AND ADDRESS REMIT TO: PEDCO ENVIRONMENTAL, INC. DEPARTMENT 156 CINCINNATI, OHIO 45296			CONTRACT NUMBER AND DATE 68-01-6894		PAID BY     DATE CHECK DEPOSITED  CHECKING BANK  PAYEE'S ACCOUNT NUMBER  GOVERNMENT B/L NUMBER		
			D.O. #6894-05-0008				
			RECEIVED  Remedial Response Section				
SUPPLIED FROM			TO		QUANTITY		
ARTICLES OR SERVICES <small>(List description, the number of units or Federal supply schedule and other information desired concisely)</small>			UNIT PRICE UNIT PRICE		AMOUNT		
For reimbursement of costs incurred under the above-cited contract as detailed in attached summary of costs.  (SEE ATTACHED)			QUANTITY  .		AMOUNT  \$136,738.24		
(Payee must NOT use the space below)			TOTAL		\$136,738.24		
PAYMENT <input type="checkbox"/> CASH <input type="checkbox"/> CHECK <input type="checkbox"/> MONEY ORDER <input type="checkbox"/> DEBIT CARD <input type="checkbox"/> ADVANCE		APPROVED FOR BY: _____ TITLE: _____		EXCHANGE RATE @ \$1.00		DIFFERENCES	
Purchaser is authorized agent of the payee and certifies that the receipt is correct and proper for payment.							
(Date)		(Authorized Contracting Officer)		(Type)			
ACCOUNTING CLASSIFICATION							
CHECK NUMBER ON TREASURER OF THE UNITED STATES			CHECK NUMBER ON (Name of bank)				
CASH DATE			PAYEE				
* When used in foreign currency, state name of currency. * If the object is used, and authority to approve are combined in one person, one signature only is necessary, unless the approving officer will sign in the space provided over his official title. * Where a contract is awarded in the name of a company or corporation, the name of the person writing the company or corporate name as well as the capacity in which he signs must appear. For example: "John Doe Company, per John Doe Secretary," or "Treasurer," in the case they be.						FBI  W-1	



# PEDCO ENVIRONMENTAL

11499 CHESTER ROAD

CINCINNATI, OHIO 45246

SOLD TO: U.S. ENVIRONMENTAL PROTECTION AGENCY

DATE 9/14/84

INVOICE NO. 1008-2

OUR ORDER NO. PN-1008

CUST. ORDER NO. 68-01-6894

D.O. #6894-05-0008

ATTENTION:

TERMS: NET CASH UPON PRESENTATION OF INVOICE

BATTLE CREEK	PERFORMANCE PERIOD	6/7/84-9/9/84
<u>CATEGORY</u>	<u>CURRENT</u>	<u>CUMULATIVE</u>
Labor	\$ 9,032.65	\$ 84,997.95
Travel & Subsistence	2,236.38	4,985.38
Equipment	71,319.60	112,560.90
Materials	37,470.23	200,026.69
Sub-Subcontracts	2,598.71	18,510.41
Transportation	166.67	2,947.67
Disposal	0	0
Off-Site Analysis	13,914.00	13,914.00
Other Services	0	0
<b>TOTAL INVOICE</b>	<b>\$136,738.24</b>	<b>\$437,943.00</b>

CERTIFICATION: I CERTIFY THAT THIS INVOICE IS CORRECT AND IN ACCORDANCE WITH TERMS OF THE CONTRACT AND THAT THE COSTS INCLUDED HEREIN HAVE BEEN INCURRED, REPRESENT PAYMENTS MADE BY THE CONTRACTOR, AND PROPERLY REFLECT THE WORK PERFORMED.

*J. Kevin Fog*  
Signature

Controller  
Title

RECEIVED

# INVOICE

CERTIFICATION

I CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THE SERVICES SHOWN ON THE INVOICE HAVE BEEN PERFORMED AND ARE ACCEPTED.

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION V

DATE: OCT 01 1984

SUBJECT:

Audit of Verona Well Field Immediate  
Action Project in Battle Creek, Michigan

FROM:

Daniel M. Caplice RPM/OSC *D.M. Caplice 10/1/84*  
Remdial Response Section I

TO:

Martin W. O'Neil  
Division Audit Manager (50IG)  
Office of the Inspector General

As we discussed in our telephone conversation on August 31, 1984, we believe that a large discrepancy may exist in the invoices that the contractor, Pedco Environmental Incorporated of Cincinnati, Ohio, has submitted for the immediate action project in Battle Creek, Michigan. We would appreciate it if your office could conduct an audit of this project to determine if the contractor's profit margin is unrealistically high.

A copy of a memo that was sent to Dorothy Britton, the Contracting Office for the Emergency Response Cleanup Services (ERCS) contract, has also been forwarded to you. That memo contains a summary of the costs that Pedco has claimed on this project and also a summary of what we believe has actually been spent on the project. Based on our calculations, we believe that Pedco's profit margin accounts for approximately twenty three percent (23%) of the total costs that have been spent thus far.

This project has been performed by utilizing the ERCS contract. The primary cause of the large profit margin is due to differing interpretations of Articles XI and XII of the contract. We believe that even if their interpretation of these articles is correct, their profit margin would still be unrealistically high when compared to those of standard construction projects.

If any information is necessary, or if we can be of any assistance to you when you conduct your review, please contact me at (FTS)886-0397.

cc: Bowden, 5SCDO  
Bartelt, 5HR  
Britton, PM-214-F  
Talbert, 5C  
Jowett, WH-548-B  
Maier, WH-548-B

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION V

DATE:

SUBJECT: Review of Pedco Environmental, Incorporated  
(PEI) Voucher Number 1008-2

FROM: Daniel M. Caplice RPM/OSC *DMCaplice 10/4/84*  
Remedial Response Section I

TO: Dorothy Britton  
Contract Specialist  
Procurement Section H (PM-214-F)

On Monday October 1, 1984, I received a copy of voucher number 1008-2 for delivery order number 008 under the ERCS contract. According to the procedures, I am either to sign the certification form, or I am to return the voucher and a memorandum of explanation as soon as possible.

At this time, I cannot certify that this voucher and invoice are correct and complete. I do not believe this is the actual case. As I stated in my October 4, 1984 memorandum to you, as of September 9, 1984, and based on a strict interpretation of the ERCS contract, I do not believe that PEI is entitled to any more than approximately three hundred fifty six thousand dollars (\$356,000.00) for all work on this project. The appropriate balance that would then be owed to PEI for work completed through September 9 would amount to approximately fifty five thousand dollars (\$55,000.00) or only about forty percent (40%) of this current voucher. However, as I also pointed out in my October 4, 1984 memorandum, a normal profit margin on a construction project would be eight or nine percent of the costs for materials and all subcontracted items. If this were the case on this project, PEI could request that about seventy seven thousand dollars (\$77,000.00) be paid to them. This amount though, would only account for about fifty six percent (56%) of their current voucher. In either case I believe that this voucher is not acceptable because it is uncharacteristically high for this type of project.

Even though I cannot certify that this voucher and the attached invoice are correct, I have already certified on the 1900-55 forms for this project, that the material, equipment and labor quantities listed were correct.

If you have questions or comments on this subject please contact me.





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

24 OCT 1984

RECEIVED

OCT 28 1984

MEMORANDUM

Remedial Response

SUBJECT: Response to Review of PEDCo Environmental Section I  
Delivery Order 6894-05-008, Voucher No. 1008-2

FROM : Dorothy Britton *Dorothy Britton*  
Contract Specialist (PM-214-F)

TO : Daniel M. Caplice, RPM/OSC  
Remedial Response Section I

In your October 5 memo you stated that you could not certify the subject invoice as current and complete because it is uncharacteristically high for the type of project based on your estimates. However, as Project Officer you are requested to certify that the services shown on the invoice have been performed and are accepted. For Delivery Orders the daily reports (1900-55) indicate the services performed and are the backup to the invoices. The daily reports are used for estimating the amount of funds that will be incurred on the delivery order. The voucher is the actual costs incurred on the project. You are to certify that the labor, equipment, subcontracts, and materials/quantities have been properly billed on the voucher per the daily reports. You are to also certify that the invoice amount is not unrealistically high or low based on the daily reports for that period.

The cost data that you have provided in your October 4 and 5 memos will be helpful when it is time to definitize the Delivery Order. However it is not justification for withholding the entire invoice amount unless it is inconsistent with the back up information (1900-55s) which you stated that it is not.

As we discussed on October 22, the invoice will be processed as presented. However, full consideration of your two memos will be given at the time of definitization.

31 OCT 1984

RECEIVED  
NOV 13 1984

Mr. George A. Jutze  
President  
PEDCO Environmental, Inc.  
11499 Chester Road  
Cincinnati, Ohio 45246

Remedial Response  
Section I

Subject: Contract No. 68-01-6894  
Delivery Order No. 6894-05-008

Dear Mr. Jutze:

I have had several discussions with you and Mr. John Bruck regarding your concern about the current relationship between PEI and the EPA On-Scene Coordinator (OSC) for the subject Delivery Order. I have also had discussions with and correspondence from the OSC regarding his concerns about the Delivery Order. As we are all aware the Delivery Order is under the EPA Inspector General Audit review. As a result of this audit and the definitization negotiations several of the issues should be resolved.

It is anticipated that the modification to the contract which clarifies Article XII, Paragraph G and H will be issued soon.

Sincerely,

Dorothy Britton  
Emergency Response  
Contracting Section  
(PM-214-F)

cc: Mr. Jowett  
Mr. Bowden  
Mr. Caplice ✓  
File

27 NOV 1984

MEMORANDUM

SUBJECT: Contract No. 68-01-6894  
Delivery Order No. 6894-05-008  
Voucher No. 1008-2

FROM : Dorothy Britton  
Emergency Response Contracting Section (PM-214-F)

To : Harris Gibson  
Financial Management Division (MD-32)

In a memo dated October 5, 1984, the On-Scene Coordinator stated that he could not certify that the subject voucher was correct regarding the costs. However, he could certify that the material, equipment, and labor quantities as listed on the 1900-55's were correct. The Summary of Negotiations presented are considered insufficient to adequately justify the withholding of the vouchered costs.

I have discussed this situation with the OSC and informed him that I will authorize you to pay the vouchered amount by this memo. If you have any questions please call me on 382-3196.

cc: Mr. Caplice  
File

D E

DANIEL CAPLICE  
230 S. DEARBORN ST  
CHICAGO IL 60604

CONTRACT STATUS NOTIFICATION

INSTRUCTIONS

2/1/85

1. Complete and return to the servicing finance office indicated below.
2. Only the original need be returned; you may retain the copies if desired.
3. If you cannot approve payment, return the voucher and a memorandum of explanation as soon as possible.
4. Return of this form or a memorandum must be accomplished within one week. Servicing finance offices will follow-up late reports. This is necessary to assure responsive payment processing to the contractor.

SERVICING FINANCE OFFICE  
  
Environmental Protection Agency  
Financial Management Division  
Contracts Financial Operations (MD-32)  
Research Triangle Park, N.C. 27711

CONTRACTOR NAME  
Pedco Envir Inc  
CONTRACT NUMBER  
68-01-6894 Region 5 DO 8 R  
CONTRACT VOUCHER NO. DATE  
3 1/30/85

I have determined that the above cited contract is underway and the payment requested is commensurate with the contractor's level of progress.

**PAYMENT DOCUMENT  
REQUIRES IMMEDIATE ACTION**

Check one:

- Goods or services have been delivered as requested by the contract to support this payment.
- Sufficient progress has been made by the contractor to support this progress payment as authorized by the contract.

PROJECT OFFICER (Above cited contract)

DATE

Standard Form 1004  
 (Revised 10-71)  
 GSA FPMR (41 CFR) 101-11.6

**FUBLIC VOUCHER FOR PURCHASES AND SERVICES OTHER THAN PERSONAL**

VOUCHER NO  
 1008-3

U.S. DEPARTMENT OF COMMERCE, OFFICE OF MANAGEMENT AND BUDGET

S. Environmental Protection Agency  
 Financial Management Division  
 Contracts Financial Operations &  
 Information Section (MD-32)  
 Research Triangle Park, N.C. 27711

DATE VOUCHER ISSUED  
 1/27/85

CONTRACT NUMBER AND DATE  
 68-01-6894

ORDER NUMBER AND DATE  
 D.O. #6894-05-0008

ISSUED TO

PAID BY

PAYER'S  
 NAME  
 AND  
 ADDRESS

REMIT TO:  
 PEDCO ENVIRONMENTAL, INC.  
 DEPARTMENT 156  
 CINCINNATI, OHIO 45296

DATE PAID

RECEIPT NO.

PAYER'S ACCOUNT NUMBER

ISSUED FOR

TO

ORDER

GOVERNMENT OF U.S. NUMBER

NUMBER AND DATE OF ORDER	DATE OF DELIVERY OF SERVICE	ARTICLES OR SERVICES <i>(List description and number of units or Federal supply schedule and other information desired accurately)</i>	QUANTITY	UNIT PRICE		AMOUNT
				UNIT	PRICE	
		For reimbursement of costs incurred under the above-cited contract as detailed in attached summary of Costs.  (SEE ATTACHED)				\$30,573.19
<b>TOTAL</b>						\$30,573.19

Use appropriate check: if necessary

(Payee must NOT use the space below)

TOTAL

\$30,573.19

PAYMENT <input type="checkbox"/> CASH <input type="checkbox"/> CHECK <input type="checkbox"/> MONEY ORDER <input type="checkbox"/> DEBIT CARD <input type="checkbox"/> ADVANCE	APPROVED FOR	EXCHANGE RATE	DIFFERENCES
	BY	US \$1.00	
	DATE		
	BY		
	DATE		

Payment is authorized, in full or in part, for the amount shown on this voucher.

\_\_\_\_\_  
 Title

\_\_\_\_\_  
 (Authorized Company Name)

\_\_\_\_\_  
 Title

**ACCOUNTING CLASSIFICATION**

CHECK NUMBER ON TREASURER OF THE UNITED STATES

CHECK NUMBER ON (Name of bank)

CASH DATE

DATE

This space is for a summary, when needed, of the nature of the purchase.

If the check is cash, and payment is approved in any form, the signature only is necessary, unless the approving officer will sign in the space provided over his official title.  
 When a voucher is prepared in the name of a subsidiary or corporation, the name of the person writing the receipt or purchase order, as well as the capacity in which he signs, must appear. For example: "John Doe Company per John Doe, Secretary," or "Forward," is the way to do it.

\_\_\_\_\_  
 TITLE



# PEDCO ENVIRONMENTAL

11499 CHESTER ROAD

CINCINNATI, OHIO 45246

**SOLD TO:** U.S. ENVIRONMENTAL PROTECTION AGENCY

**DATE** 1/27/85

**INVOICE NO.** 1008-3

**OUR ORDER NO.** PN-1008

**GOVT. ORDER NO.** 68-01-6894

**D.O.** #6894-05-1008

**ATTENTION:**

**TERMS: NET CASH UPON PRESENTATION OF INVOICE**

BATTLE CREEK <u>CATEGORY</u>	PERFORMANCE PERIOD <u>1/14/85</u>	
	<u>CURRENT</u>	<u>CUMULATIVE</u>
Labor	\$ 9,766.10	\$ 94,764.05
Travel & Subsistence	494.00	5,479.38
Equipment	1,942.00	114,502.90
Materials	926.35	200,953.04
Sub-Subcontracts	14,042.61	32,553.02
Transportation	236.13	3,183.80
Disposal	0	0
Off-Site Analysis	3,166.00	17,080.00
Other Services	0	0
<b>TOTAL INVOICE</b>	<b>\$30,573.19</b>	<b>\$468,516.19</b>

**CERTIFICATION: I CERTIFY THAT THIS INVOICE IS CORRECT AND IN ACCORDANCE WITH TERMS OF THE CONTRACT AND THAT THE COSTS INCLUDED HEREIN HAVE BEEN INCURRED, REPRESENT PAYMENTS MADE BY THE CONTRACTOR, AND PROPERLY REFLECT THE WORK PERFORMED.**

J. Kevin Foy

Controller  
Title

### CERTIFICATION

**I CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THE SERVICES SHOWN ON THE INVOICE HAVE BEEN PERFORMED AND ARE ACCEPTED.**

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature

# INVOICE

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

DATE:

SUBJECT: Review of Pedco Environmental, Inc.  
Voucher Number 1008-3

FROM: Daniel M. Caplice, RPM  
Site Management Section

*D. M. Caplice 2/21/85*

TO: Dorothy Britton  
Contract Specialist  
Procurement Section H (PM-214-F)

I have received a copy of voucher number 1008-3 for assignment number 6894-05-008 under the ERCS contract (number 68-01-6894). According to procedures outlined in that contract, I am either to sign the certification form, or I am to return the voucher along with a memorandum of explanation as soon as possible.

At this time, I cannot certify that the costs included on the voucher have been incurred, or that they accurately represent payments made by the contractor. For these reasons, I cannot sign the certification statement.

However, I would like to point out that the costs included on this voucher do agree with the cost estimates that have previously been prepared on the 1900-55 forms for this project. I have already reviewed those forms and certified that those reports are true and complete records of the quantities of labor, supervision, travel, equipment, materials, and subcontractors which I ordered and authorized from the contractor for the performance of this delivery order.

If you as the Contractor Officer feel that my previous certification of quantities on the 1900-55 forms is sufficient basis for payment, then I would have no objection to your certification of this voucher for payment to the contractor.

If you have any questions or comments on this subject, please contact me at 886-0397.

cc: Bowden, 5HR  
Bartelt, 5HR  
Talbert, 5C  
Maier, WH-548-B  
Brouck, PEI



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

MAR 8 1985

DR

MEMORANDUM

SUBJECT: Delivery Order No. 6894-05-008  
Voucher No. 1008-3

FROM: Dorothy Britton *Dorothy Britton*  
Contracting Officer  
Procurement Section H - (PM-214-H)

TO: Daniel M. Caplice  
Regional Program Manager  
Site Management Section

The certification required for contractor voucher payment is the responsibility of the Project Officer. Your February 21, 1985, memo contains your statement that the costs included in the voucher agree with the cost estimates in the 1900-55 which you have approved. This is the only means that you, as certifying official, have to determine that the payment requested is commensurate with the contractor's level of progress. Since the quantities of the items have already been approved by you, then you should be able to certify that to the best of your knowledge the services have been performed and are accepted. It corresponds that if the services were not performed the costs would not have been incurred. To verify that the costs are reasonable the daily reports, as approved by you, estimate the quantities of the items.

This is the payment system used by this and several Agencies. The contract mechanism used for these cleanups is unique because they must be definitized. During definitization the review will determine the reasonableness of all costs incurred.

The verification by you on 1900-55s that the quantities of the items are approved is sufficient for you to certify the invoice. Unless you can state that services were not provided or that sufficient progress was not made then you should certify the invoice.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION V

DATE:

SUBJECT: Certification of Voucher No. 1008-3  
ERCS Delivery Order No. 6894-05-008

FROM: Daniel M. Caplice, RPM  
Site Management Section

TO: Dorothy Britton  
Contract Specialist  
Procurement Section H (PM-214-H)

As directed by you in a memorandum 8 March 1985, I have signed the certification statement below for the voucher in question. If you have any further questions please contact me at (FTS) 886-0397.

Certification

I certify to the best of my knowledge and belief that the services shown on the invoice have been performed and are accepted.

April 2, 1985  
Date

Daniel M. Caplice  
Signature

cc: G.Vanderlaan, (5HR)  
R. Bartelt, (5HR)  
P. Talbert, (5RC)  
S. Maier, (WH-548-B)  
R. Bowden, (5HR)

APPENDIX O

EPA Cost Documentation

U.S. EPA Cost Documentation

The following computer printout lists all U.S. EPA labor and travel expenses for the Verona Well Field hazardous waste site in Battle Creek, Michigan. All costs associated with this immediate action have been highlighted. A summary of these costs can be found in Section 1.7 of this report.

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## ENVIRONMENTAL PROTECTION AGENCY

PAGE

SUPERFUND SITE COSTS---CUMULATIVE PAYROLL COSTS  
THRU JAN 11, 1985 VERONA WELL FIELD (MI) SITE # 51SFO 15  
SFSITENO 51  
AHRC 05B

SOC SEC #	SOF	A C T Y	P P	NAME	PAYR HOURS	PAYR AMOUNT
199425021	4	T	21	TALBERT	68.0	600.26
				TOTAL SSN	68.0	600.26
308481149	4	T	02	TALBERT	7.0	139.91
	4	T	04	TALBERT	1.0	19.98
	4	T	09	TALBERT	3.0	62.18
	4	T	10	TALBERT	17.0	352.39
	4	T	11	TALBERT	2.0	41.46
	4	T	12	TALBERT	16.0	331.66
	4	T	13	TALBERT	0.2	191.69
	4	T	14	TALBERT	19.8	409.44
	4	T	15	TALBERT	2.0	41.46
	4	T	16	TALBERT	13.0	269.34
	4	T	17	TALBERT	20.5	424.81
	4	T	18	TALBERT	22.5	466.03
	4	T	19	TALBERT	1.5	31.30
	4	T	20	TALBERT	11.0	252.80
	4	T	21	TALBERT	4.0	91.90
	4	T	22	TALBERT	1.0	22.98
	4	T	23	TALBERT	3.0	60.95
	4	T	24	TALBERT	6.5	149.47
	4	T	25	TALBERT	14.8	339.03
	4	T	26	TALBERT	2.5	57.55
				TOTAL SSN	177.3	3,764.31
313784226	4	T	23	LANDMAN	35.0	307.47
				TOTAL SSN	35.0	307.47
318545441	4	T	13	ROSS, M	3.0	18.13
	4	T	16	ROSS, M	10.0	66.86
	4	T	17	ROSS, M	13.0	86.86
	4	T	18	ROSS, M	14.0	91.67
	4	T	22	ROSS, M	6.0	44.70
	5	4	01	ROSS, M	7.0	51.60
	5	4	02	ROSS, M	8.0	59.14
	5	6	03	ROSS, M	11.0	80.45
				TOTAL SSN	72.0	499.41

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## ENVIRONMENTAL PROTECTION AGENCY

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SUPERFUND SITE COSTS---CUMULATIVE PAYROLL COSTS  
THRU JAN 11, 1985 VEPONA WELL FIELD (MI) SITE # 51SFO 15  
SFSITEND 51  
AHRC 058

SOC SEC #	SOF	A C T Y	P P	NAME	PAYR HOURS	PAYR AMOUNT
337620090	4	T	10	RADCLIF	4.0	31.88
				TOTAL SSN	4.0	31.88
388487427	4	T	11	GADE, M	2.0	46.54
				TOTAL SSN	2.0	46.54
398447147	4	T	06	ULLRICH	1.0	30.66
	4	T	11	ULLRICH	1.5	48.03
	4	T	12	ULLRICH	1.0	32.02
	4	T	17	ULLRICH	.5	16.15
	4	T	24	ULLRICH	1.8	55.70
	4	T	25	ULLRICH	.5	16.02
				TOTAL SSN	6.3	198.58
587803642	4	T	17	MORGAN,	4.0	47.28
				TOTAL SSN	4.0	47.28
				TOTAL AHRC	368.6	5,495.73

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## ENVIRONMENTAL PROTECTION AGENCY

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SUPERFUND SITE COSTS---CUMULATIVE PAYROLL COSTS  
THRU JAN 11, 1985 VERONA WELL FIELD (MI) SITE # 51SFO 15  
SFSITENO 51  
AHRC 05F

SDC SEC #	SOF	A C T Y	P P	NAME	PAYR HOURS	PAYR AMOUNT
204241510	4	T	12	LEVIN,	1.0	35.94
	4	T	15	LEVIN,	.8	27.03
	4	T	17	LEVIN,	.5	18.11
				TOTAL SSN	2.3	81.08
272402556	4	H	11	CONSTAN	1.0	31.29
	4	H	12	CONSTAN	1.0	31.38
	4	H	13	CONSTAN	2.0	64.89
	4	H	14	CONSTAN	2.0	64.90
	4	H	17	CONSTAN	1.0	32.45
	4	H	24	CONSTAN	1.0	32.23
				TOTAL SSN	8.0	257.14
295602761	4	H	18	TANAKA,	16.0	182.96
	4	H	19	TANAKA,	4.0	45.75
	4	H	20	TANAKA,	8.0	91.48
				TOTAL SSN	28.0	320.19
309549501	3	H	25	FILIPPI	4.0	43.42
				TOTAL SSN	4.0	43.42
323449702	3	H	22	VANDERL	8.0	170.30
	3	H	26	VANDERL	8.0	170.30
	4	D	05	VANDERL	2.0	43.02
	4	D	15	VANDERL	2.0	44.95
	4	H	12	VANDERL	8.0	179.81
	4	H	23	VANDERL	2.0	45.15
	4	T	18	VANDERL	2.0	44.95
				TOTAL SSN	32.0	698.48
326403076	4	D	05	CAPLICE	18.0	207.59
	4	D	06	CAPLICE	14.0	161.40
	4	D	07	CAPLICE	6.0	69.19
	4	D	08	CAPLICE	16.0	184.47
	4	D	09	CAPLICE	14.0	161.55
	4	D	18	CAPLICE	112.0	1,437.38
	4	D	24	CAPLICE	48.0	458.16



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## ENVIRONMENTAL PROTECTION AGENCY

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SUPERFUND SITE COSTS---CUMULATIVE PAYROLL COSTS  
THRU JAN 11, 1985 VERONA WELL FIELD (MI) SITE # 51SFO 15  
SFSITENO 51  
ANRC 05F

SOC SEC #	SOF	A C T Y	P P	NAME	PAYR HOURS	PAYR AMOUNT
357460498	4	H	05	DIKINIS	30.0	662.40
	4	H	06	DIKINIS	66.0	1,150.49
	4	H	07	DIKINIS	46.0	801.87
	4	H	08	DIKINIS	22.0	383.50
	4	H	09	DIKINIS	48.0	889.63
	4	H	10	DIKINIS	80.0	1,402.72
	4	H	11	DIKINIS	66.0	1,223.25
	4	H	12	DIKINIS	71.0	1,315.92
	4	H	13	DIKINIS	80.0	1,402.72
	4	H	14	DIKINIS	78.0	1,445.65
	4	H	15	DIKINIS	79.0	1,464.19
	4	H	16	DIKINIS	80.0	1,402.72
	4	H	17	DIKINIS	77.0	1,427.12
	4	H	18	DIKINIS	77.0	1,427.12
	4	H	20	DIKINIS	33.0	614.48
	4	H	21	DIKINIS	48.0	893.78
	4	H	22	DIKINIS	79.0	1,471.02
	4	H	23	DIKINIS	79.0	1,471.02
	4	H	25	DIKINIS	74.0	1,377.92
	4	H	26	DIKINIS	17.0	316.55
	4	H	27	DIKINIS	66.0	1,220.95
	4	T	21	DIKINIS	4.0	74.48
	4	T	26	DIKINIS	13.0	242.07
	5	H	01	DIKINIS	32.0	595.84
	5	H	02	DIKINIS	55.0	1,024.13
	5	H	03	DIKINIS	28.0	521.36
	5	H	05	DIKINIS	33.0	614.48
				TOTAL SSN	1,856.0	30,386.70
360480619	4	D	13	CANAVAN	.5	12.11
	4	H	11	CANAVAN	2.0	48.06
	4	H	12	CANAVAN	1.0	24.04
	4	H	14	CANAVAN	3.0	72.10
	4	H	15	CANAVAN	1.0	24.04
	4	H	21	CANAVAN	.8	18.16
				TOTAL SSN	8.3	198.51
393469814	4	H	17	STRINGH	1.0	25.39
	4	T	12	STRINGH	.5	12.69
				TOTAL SSN	1.5	38.08



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## ENVIRONMENTAL PROTECTION AGENCY

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SUPERFUND SITE COSTS---CUMULATIVE PAYROLL COSTS  
THRU JAN 11, 1985 VEROMA WELL FIELD (MI) SITE # 51SFO 15  
SFSITEND 51  
AHRC 05F

SOC	SEC #	SDF	A C T Y	P P	NAME	PAYR HOURS	PAYR AMOUNT
498587041	2	D	13		OSTROOK	10.0	287.08
	2	D	14		OSTROOK	8.0	127.59
	2	D	15		OSTROOK	1.0	15.94
	2	D	25		OSTROOK	2.0	32.11
	2	H	22		OSTROOK	3.0	48.16
	2	H	23		OSTROOK	9.0	144.48
	2	H	24		OSTROOK	10.0	160.53
	2	H	27		OSTROOK	20.0	331.00
	3	D	11		OSTROOK	26.0	454.82
	3	D	19		OSTROOK	14.0	244.79
	3	D	20		OSTROOK	25.0	437.11
	3	D	21		OSTROOK	21.0	367.17
	3	D	22		OSTROOK	27.0	472.07
	3	D	23		OSTROOK	80.0	1,398.74
	3	H	01		OSTROOK	2.0	33.07
	3	H	02		OSTROOK	6.0	103.01
	3	H	05		OSTROOK	29.0	497.89
	3	H	06		OSTROOK	6.0	103.01
	3	H	07		OSTROOK	28.0	480.73
	3	H	08		OSTROOK	26.0	451.67
	3	H	09		OSTROOK	54.0	943.14
	3	H	10		OSTROOK	72.0	1,257.54
	3	H	12		OSTROOK	15.0	262.27
	3	H	13		OSTROOK	6.0	104.91
	3	H	14		OSTROOK	8.0	139.88
	3	H	15		OSTROOK	20.0	349.69
	3	H	16		OSTROOK	6.0	104.91
	3	H	17		OSTROOK	16.0	279.74
	3	H	18		OSTROOK	17.0	297.23
	3	H	24		OSTROOK	54.0	944.15
	3	H	26		OSTROOK	9.0	157.35
	3	T	03		OSTROOK	53.0	989.94
	3	T	04		OSTROOK	18.0	309.04
	3	T	06		OSTROOK	2.0	34.33
	4	D	02		OSTROOK	5.0	87.42
	4	H	22		OSTROOK	14.0	253.80
					TOTAL SSN	730.0	12,626.31
513480709	3	D	24		BARTELT	1.0	24.44
	3	H	23		BARTELT	13.0	317.71
	4	D	20		BARTELT	1.0	25.91

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ENVIRONMENTAL PROTECTION AGENCY

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SUPERFUND SITE COSTS---CUMULATIVE PAYROLL COSTS  
THRU JAN 11, 1985 VERONA WELL FIELD (MI) SITE # 51

SFD 15  
SFSITENO 51  
AHRC 05F

SOC SEC #	SDF	A C T Y	P P	NAME	PAYR HOURS	PAYR AMOUNT
513480709	4	H	11	BARTELT	1.0	25.80
	4	H	14	BARTELT	6.0	154.80
	4	H	15	BARTELT	1.0	25.80
	4	H	16	BARTELT	4.0	103.20
	4	H	17	BARTELT	2.0	51.60
	4	H	24	BARTELT	1.0	25.91
				TOTAL SSW	30.0	759.17
				TOTAL AHRC	3,502.1	57,370.70



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ENVIRONMENTAL PROTECTION AGENCY

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SUPERFUND SITE COSTS---CUMULATIVE PAYROLL COSTS  
THRU JAN 11, 1985 VERONA WELL FIELD (MI) SITE # 51

SFO 15  
SFSITENO 51  
AHRC 056

SOC SEC #	SOF	A C T V	P P	NAME	PAYR HOURS	PAYR AMOUNT
010343104	2	T	22	NEUDEL	3.0	44.38
	2	T	24	NEUDEL,	1.0	14.80
	3	T	03	NEUDEL,	.0	.00
	3	T	04	NEUDEL,	.0	.00
	3	T	05	NEUDEL,	.0	.00
				TOTAL SSN	4.0	59.18
				TOTAL AHRC	4.0	59.18

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## ENVIRONMENTAL PROTECTION AGENCY

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SUPERFUND SITE COSTS---CUMULATIVE PAYROLL COSTS  
THRU JAN 11, 1985 VERONA WELL FIELD (MI) SITE # 51SFO 15  
SFSITENO 51  
AHRC 05W

SOC	SEC #	SOF	A C T Y	P P	NAME	PAYR HOURS	PAYR AMOUNT
096483703		4	H	13	BOLGER,	13.0	101.14
		4	H	14	BOLGER,	4.0	55.57
		4	H	19	BOLGER,	48.0	402.90
		4	H	20	BOLGER,	26.0	369.91
		4	H	25	BOLGER,	10.0	142.29
		4	H	26	BOLGER,	13.0	104.96
		4	H	27	BOLGER,	12.0	170.74
		5	U	01	BOLGER,	8.0	113.79
		5	U	02	BOLGER,	22.0	313.00
					TOTAL SSN	156.0	2,214.30
174463971		4	H	06	JOSEPH,	5.0	83.99
		4	H	11	JOSEPH,	64.0	1,111.92
		4	H	12	JOSEPH,	4.0	69.49
		4	H	14	JOSEPH,	54.0	930.17
		4	H	15	JOSEPH,	19.0	330.08
		4	H	16	JOSEPH,	30.0	521.21
		4	H	18	JOSEPH,	6.0	104.22
		4	H	20	JOSEPH,	53.0	924.50
		4	H	21	JOSEPH,	36.0	620.02
		4	H	22	JOSEPH,	27.0	471.02
		4	H	25	JOSEPH,	11.0	191.89
		4	H	26	JOSEPH,	18.0	314.02
		5	U	02	JOSEPH,	1.0	17.43
					TOTAL SSN	320.0	5,706.04
202500985		4	H	05	PARIKH,	17.0	190.33
		4	H	06	PARIKH,	4.0	44.76
		4	H	07	PARIKH,	7.0	78.37
		4	H	09	PARIKH,	20.0	231.43
		4	H	14	PARIKH,	3.2	37.57
		4	H	17	PARIKH,	12.2	141.17
		4	H	19	PARIKH,	16.0	185.71
		4	H	20	PARIKH,	3.2	37.72
					TOTAL SSN	82.6	947.06
223862333		4	H	20	MITCHER	1.5	12.43
		4	H	22	MITCHER	.8	6.73
					TOTAL SSN	2.3	19.16

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## ENVIRONMENTAL PROTECTION AGENCY

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SUPERFUND SITE COSTS---CUMULATIVE PAYROLL COSTS  
THRU JAN 11,1985 VERONA WELL FIELD (MI) SITE # 51SFD 15  
SFSITEND 51  
AMRC 05W

SOC SEC #	SOF	A C T Y	P P	NAME	PAYR HOURS	PAYR AMOUNT
202464009	4	H	09	JIRKA,	1.2	21.50
	4	H	14	JIRKA,	6.0	110.75
	4	H	17	JIRKA,	.5	10.03
	4	H	18	JIRKA,	.2	4.97
	4	H	19	JIRKA,	.5	10.17
	4	H	21	JIRKA,	1.0	20.17
	4	H	22	JIRKA,	5.0	100.04
	4	H	23	JIRKA,	1.0	20.17
			TOTAL SSN	15.4	298.60	
304405104	4	H	10	JOHNSON	2.0	15.88
	4	H	11	JOHNSON	4.8	38.30
	5	D	01	JOHNSON	1.0	8.21
			TOTAL SSN	7.8	62.39	
308765320	4	H	23	WONACK,	4.0	25.47
			TOTAL SSN	4.0	25.47	
313221740	4	H	14	HALL, R	2.0	39.62
			TOTAL SSN	2.0	39.62	
315509139	4	H	05	MORRIS	4.0	70.44
	4	H	05	MORRIS,	2.0	35.22
	4	H	07	MORRIS,	7.0	123.27
	4	H	09	MORRIS,	8.5	154.71
	4	H	12	MORRIS,	1.0	18.18
	4	H	13	MORRIS,	7.0	127.42
	4	H	17	MORRIS,	5.0	91.00
	4	H	18	MORRIS,	4.0	73.34
	4	H	19	MORRIS,	3.0	54.86
	4	H	23	MORRIS,	4.0	73.15
		TOTAL SSN	45.5	821.59		
318440850	4	H	14	KUCHARZ	2.0	23.73
	4	H	18	KUCHARZ	1.0	11.74
	4	H	19	KUCHARZ	2.0	23.54
	4	H	20	KUCHARZ	2.0	23.56

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## ENVIRONMENTAL PROTECTION AGENCY

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SUPERFUND SITE COSTS---CUMULATIVE PAYROLL COSTS  
THRU JAN 11, 1985 VERONA WELL FIELD (MI) SITE # 51SFO 15  
SFSITENO 51  
AHRC 05M

SOC SEC #	SOF	A C T Y	P P	NAME	PAYR HOURS	PAYR AMOUNT
318440858	4	H	22	KUCARZ	4.0	47.17
	4	H	24	KUCARZ	1.0	11.80
	4	T	21	KUCARZ	2.0	23.58
	5	U	01	KUCARZ	1.0	11.78
	5	U	02	KUCARZ	2.0	23.59
				TOTAL SSN	17.0	200.49
325482002	4	H	07	KIM, SU	7.0	125.97
	4	H	10	KIM, SU	7.0	130.10
	4	H	11	KIM, SU	35.0	650.63
	4	H	14	KIM, SU	13.0	241.64
				TOTAL SSN	62.0	1,148.34
326345234	4	H	10	HSIA, K	68.0	1,062.40
	4	H	17	HSIA, K	14.0	218.73
	4	H	20	HSIA, K	30.0	470.87
	4	H	21	HSIA, K	19.0	298.02
	4	H	22	HSIA, K	42.0	658.76
				TOTAL SSN	173.0	2,708.78
327701452	4	H	12	GREEN,	1.5	5.37
	4	H	13	GREEN,	5.0	17.86
				TOTAL SSN	6.5	23.23
330468687	4	H	05	PHILLIP	1.0	10.39
	4	H	10	PHILLIP	.8	8.60
	4	H	11	PHILLIP	2.8	30.11
	4	H	12	PHILLIP	2.7	29.53
	4	H	13	PHILLIP	5.0	53.81
	4	H	15	PHILLIP	3.0	32.26
	4	H	16	PHILLIP	3.2	36.63
	4	H	17	PHILLIP	1.5	16.91
	4	H	20	PHILLIP	1.0	11.60
	4	H	24	PHILLIP	.8	8.71
	4	H	25	PHILLIP	2.5	29.05
	4	H	26	PHILLIP	.5	5.86
	4	H	27	PHILLIP	1.5	17.45
				TOTAL SSN	26.3	290.91

SUPERFUND SITE COSTS---CUMULATIVE PAYROLL COSTS  
 THRU JAN 11, 1985 VERONA WELL FIELD (MI) SITE # 51

SFO 15  
 SFSITEND 51  
 ANRC 05W

SOC SEC #	SOF	A C T Y	P P	NAME	PAYR HOURS	PAYR AMOUNT
336527205	2	D	17	MARCELO	12.0	119.85
				TOTAL SSN	12.0	119.85
350228017	4	H	05	FRYE	14.0	259.27
	4	H	06	FRYE, G	1.0	18.51
	4	H	07	FRYE, G	14.0	259.23
	4	H	10	FRYE, G	42.0	802.63
	4	H	11	FRYE, G	2.0	38.20
	4	H	12	FRYE, G	1.0	19.11
	4	H	13	FRYE, G	18.0	191.09
	4	H	14	FRYE, G	5.0	95.51
	4	H	15	FRYE, G	3.0	57.32
	4	H	16	FRYE, G	2.0	38.20
	4	H	17	FRYE, G	27.0	515.98
	4	H	18	FRYE, G	1.5	28.73
	4	H	20	FRYE, G	39.5	758.88
	4	H	21	FRYE, G	18.0	345.67
	4	H	22	FRYE, G	4.0	76.81
	4	H	23	FRYE, G	4.0	76.81
	4	H	26	FRYE, G	1.0	19.20
				TOTAL SSN	189.0	3,601.15
357464722	2	T	14	SARGENT	2.0	6.38
	4	H	13	SARGENT	3.5	25.83
	4	H	14	SARGENT	1.0	7.37
	4	H	16	SARGENT	.5	3.68
	4	H	20	SARGENT	1.0	7.40
	4	H	22	SARGENT	1.0	7.62
				TOTAL SSN	9.0	58.28
358164417	4	H	06	KING, E	6.0	103.24
	4	H	07	KING, E	5.0	86.03
	4	H	09	KING, E	8.0	142.00
	4	H	10	KING, E	12.0	213.00
	4	H	13	KING, E	10.0	177.49
	4	H	17	KING, E	5.0	88.74
	4	H	18	KING, E	8.0	141.97
	4	H	19	KING, E	14.5	258.67
	4	H	20	KING, E	6.0	106.97

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## ENVIRONMENTAL PROTECTION AGENCY

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SUPERFUND SITE COSTS---CUMULATIVE PAYROLL COSTS  
THRU JAN 11, 1985 VERONA WELL FIELD (MI) SITE # 51SFO 15  
SFSITEND 51  
AHRC 05W

SOC SEC #	SOF	A C T Y	P P	NAME	PAYR HOURS	PAYR AMOUNT
358164417	4	H	22	KING, E	6.5	115.98
				TOTAL SSN	81.0	1,434.09
373468822	4	H	05	SCHMIDT	15.0	199.21
	4	H	07	SCHMIDT	13.0	173.12
	4	H	10	SCHMIDT	37.0	508.14
	4	H	13	SCHMIDT	21.0	301.15
	4	H	14	SCHMIDT	4.0	57.36
	4	H	19	SCHMIDT	10.0	144.04
	4	H	20	SCHMIDT	27.0	388.95
	4	H	21	SCHMIDT	35.0	504.22
	4	H	23	SCHMIDT	4.0	57.63
	4	T	06	SCHMIDT	8.0	106.25
				TOTAL SSN	174.0	2,440.07
391584674	4	H	20	THAKKAR	24.0	350.66
	4	H	23	THAKKAR	1.5	21.98
	4	T	21	THAKKAR	15.0	219.16
	5	U	03	THAKKAR	1.0	14.60
				TOTAL SSN	41.5	606.40
394480091	4	H	10	KIM, TH	5.0	63.06
				TOTAL SSN	5.0	63.06
398500490	4	H	10	KUEHL,	1.0	15.76
	4	H	11	KUEHL,	2.0	31.54
	4	H	12	KUEHL,	7.0	110.44
	4	H	13	KUEHL,	6.5	102.62
	4	H	15	KUEHL,	1.0	16.29
	4	H	18	KUEHL,	2.0	32.60
	4	H	20	KUEHL,	21.5	352.28
	4	H	21	KUEHL,	2.0	32.77
				TOTAL SSN	43.0	694.30
399280639	4	H	13	MAY, DO	5.5	67.42
				TOTAL SSN	5.5	67.42



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## ENVIRONMENTAL PROTECTION AGENCY

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SUPERFUND SITE COSTS---CUMULATIVE PAYROLL COSTS  
THRU JAN 11, 1985 VERONA WELL FIELD (MI) SITE # 51SFO 15  
SFSITEND 51  
AHRC 05W

SOC SEC #	SOF	A C T Y	P P	NAME	PAYR HOURS	PAYR AMOUNT
415908904	4	H	05	PARUCHU	20.0	267.44
	4	H	06	PARUCHU	27.0	361.07
				TOTAL SSM	47.0	628.51
421527267	4	H	06	FLYNN,	4.0	71.81
	4	H	07	FLYNN,	3.0	53.86
	4	H	10	FLYNN,	2.0	40.16
	4	H	11	FLYNN,	8.0	160.69
	4	H	12	FLYNN,	3.0	60.24
	4	H	14	FLYNN,	1.5	30.09
	4	H	15	FLYNN,	1.5	30.21
	4	H	17	FLYNN,	1.0	20.00
	4	H	18	FLYNN,	3.0	60.26
	4	H	20	FLYNN,	4.0	80.70
	4	H	21	FLYNN,	2.5	50.54
	4	H	23	FLYNN,	1.5	30.35
	4	H	24	FLYNN,	.5	10.17
	4	H	25	FLYNN,	2.2	45.37
	4	H	26	FLYNN,	.5	10.17
	5	U	01	FLYNN,	1.0	20.16
				TOTAL SSM	39.2	774.86
583134415	4	H	20	FELICIA	.5	3.58
	4	H	21	FELICIA	.5	3.56
	4	H	22	FELICIA	1.5	10.69
	4	H	23	FELICIA	.5	3.56
	4	H	24	FELICIA	1.2	8.92
				TOTAL SSM	4.2	30.31
				TOTAL AHRC	1,578.8	25,020.28

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ENVIRONMENTAL PROTECTION AGENCY

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SUPERFUND SITE COSTS---CUMULATIVE PAYROLL COSTS  
THRU JAN 11, 1985 VERONA WELL FIELD (MI) SITE # 51

SFO 15  
SFSITENO 51  
AHRC 05Y

SDC	SEC #	SOF	A C T Y	P P	NAME	PAYR HOURS	PAYR AMOUNT
383406770		3	D	03	POWERS, TOTAL SSN	2.0 2.0	42.42 42.42
					TOTAL AHRC	2.0	42.42

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SUPERFUND SITE COSTS---CUMULATIVE PAYROLL COSTS  
THRU JAN 11, 1985 VERONA WELL FIELD (MI) SITE # 51

SFO 15  
SFSITENO 51  
AHRC 052

SOC SEC #	SDF	A C T Y	P P	NAME	PAYR HOURS	PAYR AMOUNT
131306448	4	D	26	BOWDEN, TOTAL SSN	2.0 2.0	53.61 ← 53.61
164221567	4	D	15	REGAN, TOTAL SSN	1.0 1.0	26.28 ← 26.28
304405104	4	D	25	JOHNSON TOTAL SSN	1.0 1.0	8.23 ← 8.23
				TOTAL AHRC	4.0	88.12

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## ENVIRONMENTAL PROTECTION AGENCY

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SUPERFUND SITE COSTS---CUMULATIVE PAYROLL COSTS  
THRU JAN 11, 1985 VERONA WELL FIELD (MI) SITE # 51SFO 15  
SFSITEND 51  
AMRC 578

SOC SEC #	SOF	A C T V	P P	NAME	PAYR HOURS	PAYR AMOUNT
010343104	3	T	02	NEUDEL	2.0	27.42
	3	T	03	NEUDEL,	23.0	315.34
	3	T	04	NEUDEL,	2.0	27.42
	3	T	05	NEUDEL	4.0	54.90
	3	T	05	NEUDEL,	2.0	27.42
	3	T	06	NEUDEL	1.0	13.71
	3	T	09	NEUDEL	22.0	313.58
	3	T	09	NEUDEL,	5.0	71.30
	3	T	10	NEUDEL	16.0	227.42
	3	T	11	NEUDEL,	2.0	28.43
	3	T	12	NEUDEL,	1.0	14.23
	3	T	16	NEUDEL	6.0	85.39
	3	T	17	NEUDEL,	4.0	56.92
	3	T	18	NEUDEL	16.0	227.71
				TOTAL SSN	106.0	1,491.19
				TOTAL AMRC	106.0	1,491.19

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SUPERFUND SITE COSTS---CUMULATIVE PAYROLL COSTS  
THRU JAN 11,1985 VERONA WELL FIELD (MI) SITE # 51

SFO 15  
SFSITEND 51  
AHRC 725

SDC SEC #	SOF	A C T Y	P P	NAME	PAYR HOURS	PAYR AMOUNT
075343373	4	H	12	LAFORNA TOTAL SSN	4.0 4.0	109.80 109.80
138522687	4	H	13	PRINCE, TOTAL SSN	19.5 19.5	325.01 325.01
152368900	4	H	22	TURPIN, TOTAL SSN	6.0 6.0	139.64 139.64
153487844	4	H	20	URBAN, TOTAL SSN	5.0 5.0	95.74 95.74
				TOTAL AHRC	34.5	670.19

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SUPERFUND SITE COSTS---CUMULATIVE PAYROLL COSTS  
THRU JAN 11,1985 VERONA WELL FIELD (MI) SITE # 51

SFO 15  
SFSITEND 51  
AHRC 775

SOC SEC #	SDF	A C T Y	P P	NAME	PAYR HOURS	PAYR AMOUNT
154382503	4	T	22	CORWIN,	7.0	94.45
				TOTAL SSN	7.0	94.45
				TOTAL AHRC	7.0	94.45

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ENVIRONMENTAL PROTECTION AGENCY

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SUPERFUND SITE COSTS---CUMULATIVE PAYROLL COSTS  
THRU JAN 11,1985 VERONA WELL FIELD (MI) SITE # 51

SFD 15  
SFSITEMO 51  
AHRC 815

SDC SEC #	SDF	A C T Y	P P	NAME	PAYR HOURS	PAYR AMOUNT
077481193	4	T	14	FOOTE,	3.0	57.15
	4	T	15	FOOTE,	2.0	38.10
	4	T	16	FOOTE,	3.0	57.16
				TOTAL SSN	8.0	152.41
386689240	4	T	09	GRUNDLE	2.0	30.99
				TOTAL SSN	2.0	30.99
				TOTAL AHRC	10.0	183.40

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SUPERFUND SITE COSTS---CUMULATIVE PAYROLL COSTS  
THRU JAN 11,1985 VERONA WELL FIELD (MI) SITE # 51

SFO 15  
SFSITENO 51  
AHRC 015

SDC SEC #	SOF	A C T Y	P P	NAME	PAYR HOURS	PAYR AMOUNT
TOTAL SFSITENO					5,617.0	90,515.66



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ENVIRONMENTAL PROTECTION AGENCY

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SUPERFUND SITE COSTS---CUMULATIVE PAYROLL COSTS  
THRU JAN 11, 1985 VERONA WELL FIELD (MI) SITE # 51

SFO 15  
SFSITEND 51  
ANRC 815

SOC	SEC #	SOF	A C T Y	P P	NAME	PAYR HOURS	PAYR AMOUNT
TOTAL SFO						5,617.0	90,515.66

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ENVIRONMENTAL PROTECTION AGENCY

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SUPERFUND SITE COSTS---CUMULATIVE PAYROLL COSTS  
THRU JAN 11, 1985 VERONA WELL FIELD (MI) SITE # 51

SDC	SEC #	SOF	A C T Y	P P	NAME	PAYR HOURS	PAYR AMOUNT
GRAND TOTAL						5,617.0	90,515.66

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## ENVIRONMENTAL PROTECTION AGENCY

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HAZARDOUS SUBSTANCE RESPONSE SITE (S1) VERONA WELL FIELD, MI  
 FMD OBJECT CLASSES (EXCLUDING OBJECT CLASSES 11 AND 12 SALARIES AND FRINGES)  
 AS OF JAN 11, 1984  
 PREPARED BY R. HOFFMAN

SFSITEND 51

TRAVELER NAME	DOC CONTRL NUMBER	ACCOUNT NUMBER	A C T Y	OBLIG DOCUMENT NUMBER	MAJ OC	ORJT CLAS	CUMULATIVE OBLIGATIONS CURRENT+PRIOR	CUM PAYMENTS (EXCLUDING ADVANCES)	UNPAID OBLIGATIONS	--LAST-- ACTION DATE
	CA0001	4TGB05FT51	T	00SUS20184	22	2209	24.00	24.00	0.00	12-07-83
				TOTAL	DCN		24.00	24.00	0.00	
	CA1001	4TGB05FT51	T	000TS40093	21	2114	6.00	6.00	0.00	11-18-83
				TOTAL	DCN		6.00	6.00	0.00	
	CA1002	4TGB05FT51	T	000TS40171	21	2114	7.00	7.00	0.00	11-15-83
				TOTAL	DCN		7.00	7.00	0.00	
	CA1004	4TFA05FD51	D	000TS42952	21	2114	0.61	0.61	0.00	04-26-84
				TOTAL	DCN		0.61	0.61	0.00	
	CA1007	4TFA05FD51	D	000TS42951	21	2115	37.69	37.69	0.00	04-26-84
				TOTAL	DCN		37.69	37.69	0.00	
	D20116	3TFA725E51	E	0068950063	25	2535	20,000.00	20,000.00	0.00	12-05-83
				TOTAL	DCN		20,000.00	20,000.00	0.00	
	E1A296	4TFA725H51	H	000T972286	21	2114	2.56	2.56	0.00	08-24-84
				TOTAL	DCN		2.56	2.56	0.00	
	E2H012	4TFA725L51	L	DM96045101	25	2570	10,000.00	558.28	9,441.72	05-09-84
				TOTAL	DCN		10,000.00	558.28	9,441.72	
	E2H081	MSFA725R51	R	0068016692	25	2535	500,000.00	227,331.28	272,668.72	01-07-85
				TOTAL	DCN		500,000.00	227,331.28	272,668.72	
	FC0001	4TFA05FH51	H	0000040001	23	2311	15.12	15.12	0.00	04-09-84
		5TFA05FH51	H	0000050001	24	2401	5.05	5.05	0.00	01-10-85
				TOTAL	DCN		20.17	20.17	0.00	
	FC1007	4TFA05FH51	H	0HT00TS432	21	2114	6.98	6.98	0.00	06-06-84
				TOTAL	DCN		6.98	6.98	0.00	
	FC1009	4TFA05FH51	H	000TS42404	21	2114	34.76	34.76	0.00	03-21-84
				TOTAL	DCN		34.76	34.76	0.00	
	FC1011	4TFA05FH51	H	000TS42830	21	2114	11.28	11.28	0.00	04-10-84
				TOTAL	DCN		11.28	11.28	0.00	
	FC1015	4TFA05FH51	H	000TS43297	21	2114	16.78	16.78	0.00	05-22-84
				TOTAL	DCN		16.78	16.78	0.00	

HAZARDOUS SUBSTANCE RESPONSE SITE (S1) VERONA WELL FIELD, MI  
 FMO OBJECT CLASSES (EXCLUDING OBJECT CLASSES 11 AND 12 SALARIES AND FRINGES)  
 AS OF JAN 11, 1984  
 PREPARED BY R. HOFFMAN

SFSITEND 51

TRAVELER NAME	DOC CONTRL NUMBER	ACCOUNT NUMBER	A C T Y	OBLIG DOCUMENT NUMBER	MAJ OC	OBJT CLAS	CUMULATIVE OBLIGATIONS CURRENT+PRIOR	CUM PAYMENTS (EXCLUDING ADVANCES)	UNPAID OBLIGATIONS	--LAST-- ACTION DATE
	FC0003	3TFA05FD51	D	00SUS2XX83	22	2209	12.50	12.50	0.00	03-06-84
				TOTAL DCN			12.50	12.50	0.00	
	DD1002	4TJB05BT51	T	00SUS20484	22	2209	25.00	25.00	0.00	04-23-84
				TOTAL DCN			25.00	25.00	0.00	
	DD1003	4TJB05BT51	T	00SUS20484	22	2209	25.00	25.00	0.00	04-23-84
				TOTAL DCN			25.00	25.00	0.00	
	DD1004	4TJB05BT51	T	00SUS20484	22	2209	25.00	25.00	0.00	04-23-84
				TOTAL DCN			25.00	25.00	0.00	
	DD1005	4TJB05BT51	T	00SUS20484	22	2209	25.00	25.00	0.00	04-23-84
				TOTAL DCN			25.00	25.00	0.00	
	DD1001	3TJB57BT51	T	000TS30224	21	2111	51.62	51.62	0.00	03-23-83
				TOTAL DCN			51.62	51.62	0.00	
HARTIAN, R	CA1001	4TFA05FH51	H	0TRTS40102	21	2113	274.00	274.00	0.00	11-28-83
HARTIAN, R		4TFA05FH51	H	000TS40102	21	2111	62.50	62.50	0.00	11-21-83
HARTIAN, R		4TFA05FH51	H	000TS40102	21	2117	19.20	19.20	0.00	11-21-83
				TOTAL DCN			355.70	355.70	0.00	
HARTIAN, R	CA1004	4TFA05FD51	D	0TRTS42952	21	2113	164.00	164.00	0.00	05-22-84
HARTIAN, R		4TFA05FD51	D	000TS42952	21	2111	62.50	62.50	0.00	04-26-84
HARTIAN, R		4TFA05FD51	D	000TS42952	21	2117	23.25	23.25	0.00	04-26-84
HARTIAN, R		4TGB05FT51	T	0TRTS40494	21	2113	144.00	144.00	0.00	12-05-83
HARTIAN, R		4TGB05FT51	T	000TS40494	21	2111	62.50	62.50	0.00	02-10-84
HARTIAN, R		4TGB05FT51	T	000TS40494	21	2114	13.74	13.74	0.00	02-10-84
HARTIAN, R		4TGB05FT51	T	000TS40494	21	2117	11.15	11.15	0.00	02-10-84
				TOTAL DCN			481.14	481.14	0.00	
	C1A073	4TFA725H51	H	0TRT954472	21	2113	144.00	144.00	0.00	02-03-84
		4TFA725H51	H	000T954472	21	2111	42.49	42.49	0.00	02-14-84
		4TFA725H51	H	000T954472	21	2117	20.00	20.00	0.00	02-14-84
				TOTAL DCN			206.49	206.49	0.00	
	DD0001	4TJB05BT51	T	050792NASA	26	2610	550.00	550.00	0.00	09-20-84
				TOTAL DCN			550.00	550.00	0.00	
PRINCE, GE	F18196	4TFA725H51	H	0TRT917743	21	2113	198.00	198.00	0.00	03-09-84
PRINCE, GE		4TFA725H51	H	000T917743	21	2111	175.00	175.00	0.00	03-22-84

HAZARDOUS SUBSTANCE RESPONSE SITE (51) VERONA WELL FIELD, MI  
 FMD OBJECT CLASSES (EXCLUDING OBJECT CLASSES 11 AND 12 SALARIES AND FRINGES)  
 AS OF JAN 11, 1984  
 PREPARED BY R. HOFFMAN

SFSITENO 51

TRAVELER NAME	DOC CONTRL NUMBER	ACCOUNT NUMBER	A C T Y	OBLIG DOCUMENT NUMBER	MAJ OC	OBJT CLAS	CUMULATIVE OBLIGATIONS CURRENT+PRIOR	CUM PAYMENTS (EXCLUDING ADVANCES)	UNPAID OBLIGATIONS	--LAST-- ACTION DATE
PRINCE, GE	F18196	4TFA725H51	H	000T917743	21	2117	22.00	22.00	0.00	03-22-84
				TOTAL DCN			395.00	395.00	0.00	
CIBULSKIS, CIBULSKIS, CIBULSKIS,	F18195	4TFA725H51	H	0TRT917742	21	2113	198.00	198.00	0.00	05-09-84
		4TFA725H51	H	000T917742	21	2111	175.00	175.00	0.00	03-22-84
		4TFA725H51	H	000T917742	21	2117	31.00	31.00	0.00	03-22-84
				TOTAL DCN			404.00	404.00	0.00	
TAIMI, KAT	E1A119	4TFA725H51	H	0TRT994298	21	2113	5.00	5.00	0.00	02-07-84
TAIMI, KAT		4TFA725H51	H	000T994298	21	2111	1.75	1.75	0.00	02-07-84
TAIMI, KAT		4TFA725H51	H	000T994298	21	2117	8.75	8.75	0.00	02-07-84
				TOTAL DCN			15.50	15.50	0.00	
WILLIS, NA	E1A151	4TFA725H51	H	0TRT972228	21	2113	167.00	167.00	0.00	09-10-84
WILLIS, NA		4TFA725H51	H	000T972228	21	2111	30.12	30.12	0.00	04-20-19
WILLIS, NA		4TFA725H51	H	000T972228	21	2117	29.50	29.50	0.00	04-20-19
				TOTAL DCN			226.62	226.62	0.00	
WILLIS, NA	E1A294	4TFA725H51	H	0TRT972288	21	2113	67.50	67.50	0.00	07-23-84
WILLIS, NA		4TFA725H51	H	000T972288	21	2111	38.96	38.96	0.00	08-02-84
WILLIS, NA		4TFA725H51	H	000T972288	21	2117	6.75	6.75	0.00	08-02-84
				TOTAL DCN			113.21	113.21	0.00	
BIXLER, DO	E1A296	4TFA725H51	H	0TRT972286	21	2113	67.50	67.50	0.00	07-23-84
BIXLER, DO		4TFA725H51	H	000T972286	21	2111	37.76	37.76	0.00	08-24-84
BIXLER, DO		4TFA725H51	H	000T972286	21	2117	6.75	6.75	0.00	08-24-84
				TOTAL DCN			112.01	112.01	0.00	
	E2H099	4TFA725S51	S	0000579301	41	4183	444,123.00	0.00	444,123.00	09-30-84
				TOTAL DCN			444,123.00	0.00	444,123.00	
	D2H008	4TFA725E51	E	0068950063	25	2535	7,877.25	7,877.25	0.00	04-09-84
				TOTAL DCN			7,877.25	7,877.25	0.00	
HANSON, JO	E1A295	4TFA725H51	H	0TRT972289	21	2113	67.50	67.50	0.00	07-23-84
HANSON, JO		4TFA725H51	H	000T972289	21	2111	61.45	61.45	0.00	10-09-84
HANSON, JO		4TFA725H51	H	000T972289	21	2117	7.00	7.00	0.00	10-09-84
				TOTAL DCN			115.95	115.95	0.00	
	CA1001	3TFA05FH51	H	000TS33704	21	2111	82.71	82.71	0.00	08-05-83
		3TFA05FH51	H	000TS31T04	21	2117	1.00	1.00	0.00	08-05-83
				TOTAL DCN			83.71	83.71	0.00	

HAZARDOUS SUBSTANCE RESPONSE SITE (51) VERONA WELL FIELD, MI  
 FMD OBJECT CLASSES (EXCLUDING OBJECT CLASSES 11 AND 12 SALARIES AND FRINGES)  
 AS OF JAN 11, 1984  
 PREPARED BY R. HOFFMAN

SFSITENO 51

TRAVELER NAME	DDC CONTRL NUMBER	ACCOUNT NUMBER	A C T Y	DLIG DOCUMENT NUMBER	MAJ OC	OSJT CLAS	CUMULATIVE OBLIGATIONS CURRENT+PRIOR	CUM PAYMENTS (EXCLUDING ADVANCES)	UNPAID OBLIGATIONS	--LAST-- ACTION DATE
TANAKA, JO	FC1019	4TFA05FH51	H	OTRTS43579	21	2113	242.00	242.00	0.00	06-20-84
TANAKA, JO		4TFA05FH51	H	000TS43579	21	2111	231.00	231.00	0.00	06-05-84
TANAKA, JO		4TFA05FH51	H	000TS43579	21	2117	12.00	12.00	0.00	06-05-84
				TOTAL DCN			485.00	485.00	0.00	
TALBERT, P	DA1016	4TGB05FT51	T	OTRTS45030	21	2113	252.00	252.00	0.00	10-10-84
TALBERT, P		4TGB05FT51	T	000TS45030	21	2111	76.25	76.25	0.00	09-25-84
TALBERT, P		4TGB05FT51	T	000TS45030	21	2117	51.50	51.50	0.00	09-25-84
				TOTAL DCN			379.75	379.75	0.00	
TALBERT, P	DB1005	4TGB05FT51	T	OTRTS42733	21	2113	225.00	225.00	0.00	05-04-84
TALBERT, P		4TGB05FT51	T	000TS42733	21	2111	5.65	5.65	0.00	04-05-84
TALBERT, P		4TGB05FT51	T	000TS42733	21	2117	58.00	58.00	0.00	04-05-84
				TOTAL DCN			288.65	288.65	0.00	
TALBERT, P	DB1006	4TGB05FT51	T	OTRTS44035	21	2113	195.00	195.00	0.00	07-23-84
TALBERT, P		4TGB05FT51	T	000TS44035	21	2111	75.00	75.00	0.00	07-31-84
TALBERT, P		4TGB05FT51	T	000TS44035	21	2117	48.00	48.00	0.00	07-31-84
				TOTAL DCN			318.00	318.00	0.00	
TALBERT, P	DD1001	4TJB05BT51	T	OTRTS41679	21	2113	179.00	179.00	0.00	03-01-84
TALBERT, P		4TJB05BT51	T	000TS41679	21	2111	84.00	84.00	0.00	02-06-84
TALBERT, P		4TJB05BT51	T	000TS41679	21	2117	45.75	45.75	0.00	02-06-84
				TOTAL DCN			308.75	308.75	0.00	
TALBERT, P	DD1002	4TJB05BT51	T	OTRTS42113	21	2113	164.00	164.00	0.00	03-20-84
TALBERT, P		4TJB05BT51	T	000TS42113	21	2111	17.25	17.25	0.00	03-02-84
TALBERT, P		4TJB05BT51	T	000TS42113	21	2117	36.00	36.00	0.00	03-02-84
				TOTAL DCN			217.25	217.25	0.00	
TALBERT, P	DD1003	4TJB05BT51	T	OTRTS42414	21	2113	180.00	180.00	0.00	04-18-84
TALBERT, P		4TJB05BT51	T	000TS42414	21	2111	7.25	7.25	0.00	03-14-84
TALBERT, P		4TJB05BT51	T	000TS42414	21	2117	50.50	50.50	0.00	03-14-84
				TOTAL DCN			237.75	237.75	0.00	
THOMAS, TH	FC1014	4TFA05FH51	H	000TS42902	21	2111	50.00	50.00	0.00	04-18-84
THOMAS, TH		4TFA05FH51	H	000TS42902	21	2115	35.52	35.52	0.00	04-18-84
THOMAS, TH		4TFA05FH51	H	000TS42902	21	2117	15.50	15.50	0.00	04-18-84
				TOTAL DCN			101.02	101.02	0.00	
VANDERLAAN	FC1004	3TFA05FH51	H	OTRTS33718	21	2113	59.00	59.00	0.00	09-08-83
VANDERLAAN		3TFA05FH51	H	000TS33718	21	2111	50.00	50.00	0.00	08-04-83

HAZARDOUS SUBSTANCE RESPONSE SITE (S1) VERONA WELL FIELD, MI  
 FMD OBJECT CLASSES (EXCLUDING OBJECT CLASSES 11 AND 12 SALARIES AND FRINGES)  
 AS OF JAN 11, 1984  
 PREPARED BY R. HOFFMAN

SFSITENO 51

TRAVELER NAME	DOC CONTRL NUMBER	ACCOUNT NUMBER	A C T Y	OBLIG DOCUMENT NUMBER	MAJ DC	OBJT CLAS	CUMULATIVE OBLIGATIONS CURRENT+PRIOR	CUM PAYMENTS (EXCLUDING ADVANCES)	UNPAID OBLIGATIONS	--LAST-- ACTION DATE
VANDERLAAN	FC1004	3TFA05FH51	H	000TS33710	21	2117	6.00	6.00	0.00	00-04-83
				TOTAL DCM			115.00	115.00	0.00	
VANDERLAAN	FC1005	3TFA05FD51	D	0TRTS33853	21	2113	156.00	156.00	0.00	09-08-83
VANDERLAAN		3TFA05FD51	D	000TS33853	21	2111	40.74	40.74	0.00	08-09-93
VANDERLAAN		3TFA05FD51	D	000TS33853	21	2117	1.00	1.00	0.00	08-09-93
				TOTAL DCM			197.74	197.74	0.00	
VANDERLAAN	FC1006	3TGB05FT51	T	0TRTS34293	21	2113	168.00	168.00	0.00	09-29-83
VANDERLAAN		3TGB05FT51	T	000TS34293	21	2111	50.37	50.37	0.00	09-26-83
VANDERLAAN		3TGB05FT51	T	000TS34293	21	2115	44.60	44.50	0.00	09-26-83
VANDERLAAN		3TGB05FT51	T	000TS34293	21	2117	72.79	72.79	0.00	09-26-83
VANDERLAAN		4TFA05FH51	H	0TRTS42166	21	2113	164.00	164.00	0.00	04-04-84
VANDERLAAN		4TFA05FH51	H	000TS42166	21	2111	50.02	50.02	0.00	03-07-84
VANDERLAAN		4TFA05FH51	H	000TS42166	21	2117	41.00	41.00	0.00	03-07-84
				TOTAL DCM			590.68	590.68	0.00	
	FC1007	4TFA05FH51	H	0TRTS42167	21	2113	164.00	164.00	0.00	04-04-84
		4TFA05FH51	H	000TS42167	21	2111	358.90	358.90	0.00	03-15-84
		4TFA05FH51	H	000TS42167	21	2115	274.56	274.56	0.00	03-15-84
		4TFA05FH51	H	000TS42167	21	2117	61.55	61.55	0.00	03-27-84
				TOTAL DCM			859.01	859.01	0.00	
CAPLICE, D	FC1001	5TFA05FH51	H	0TRTS50157	21	2113	100.00	100.00	0.00	11-20-84
CAPLICE, D		5TFA05FH51	H	000TS50157	21	2111	236.65	236.65	0.00	11-27-84
CAPLICE, D		5TFA05FH51	H	000TS50157	21	2115	165.81	165.81	0.00	11-27-84
CAPLICE, D		5TFA05FH51	H	000TS50157	21	2117	76.66	76.66	0.00	11-27-84
				TOTAL DCM			579.12	579.12	0.00	
CAPLICE, D	FC1002	4TFA05FH51	H	0TRTS40521	21	2113	144.00	144.00	0.00	12-05-83
CAPLICE, D		4TFA05FH51	H	000TS40521	21	2111	59.16	59.16	0.00	11-18-83
CAPLICE, D		4TFA05FH51	H	000TS40521	21	2117	35.00	35.00	0.00	11-18-83
CAPLICE, D		5TGB05F451	4	0TRTS50832	21	2113	138.00	138.00	0.00	12-24-84
CAPLICE, D		5TGB05F451	4	000TS50832	21	2111	59.16	59.16	0.00	12-18-84
CAPLICE, D		5TGB05F451	4	000TS50832	21	2114	6.98	6.98	0.00	12-18-84
CAPLICE, D		5TGB05F451	4	000TS50832	21	2117	6.80	6.80	0.00	12-18-84
				TOTAL DCM			449.10	449.10	0.00	
CAPLICE, D	FC1003	5TFA05FH51	H	0TRTS50351	21	2113	100.00	100.00	0.00	11-20-84
CAPLICE, D		5TFA05FH51	H	000TS50351	21	2111	113.44	113.44	0.00	01-10-85
CAPLICE, D		5TFA05FH51	H	000TS50351	21	2117	17.40	17.40	0.00	01-10-85
				TOTAL DCM			230.84	230.84	0.00	

HAZARDOUS SUBSTANCE RESPONSE SITE (S1) VERONA WELL FIELD, MI  
 FMD OBJECT CLASSES (EXCLUDING OBJECT CLASSES 11 AND 12 SALARIES AND FRINGES)  
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 PREPARED BY R. HOFFMAN

SFSITEND 51

TRAVELER NAME	DOC CONTRL NUMBER	ACCOUNT NUMBER	A C T Y	OBLIG DOCUMENT NUMBER	MAJ OC	OBJT CLAS	CUMULATIVE OBLIGATIONS CURRENT+PRIOR	CUM PAYMENTS (EXCLUDING ADVANCES)	UNPAID OBLIGATIONS	--LAST-- ACTION DATE
CAPLICE, D	FC1004	4TFA05FH51	H	OTRTS45293	21	2113	157.00	157.00	0.00	10-23-84
CAPLICE, D		4TFA05FH51	H	000TS45293	21	2111	70.80	70.80	0.00	09-28-84
CAPLICE, D		4TFA05FH51	H	000TS45293	21	2117	98.11	98.11	0.00	09-28-84
				TOTAL OCM			325.91	325.91	0.00	
CAPLICE, D	FC1007	4TFA05FH51	H	OTRTS43265	21	2113	164.00	164.00	0.00	06-06-84
CAPLICE, D		4TFA05FH51	H	000TS42167	21	2114	84.44	84.44	0.00	03-15-84
CAPLICE, D		4TFA05FH51	H	000TS43265	21	2111	17.25	17.25	0.00	06-06-84
CAPLICE, D		4TFA05FH51	H	000TS43265	21	2115	32.24	32.24	0.00	06-06-84
CAPLICE, D		4TFA05FH51	H	000TS43265	21	2117	15.80	15.80	0.00	06-06-84
				TOTAL OCM			313.73	313.73	0.00	
CAPLICE, D	FC1008	4TFA05FH51	H	OTRTS43574	21	2113	164.00	164.00	0.00	06-20-84
CAPLICE, D		4TFA05FH51	H	000TS43574	21	2111	366.81	366.81	0.00	06-15-84
CAPLICE, D		4TFA05FH51	H	000TS43574	21	2115	225.68	225.68	0.00	06-15-84
CAPLICE, D		4TFA05FH51	H	000TS43574	21	2117	46.50	46.50	0.00	06-15-84
CAPLICE, D		4TGB05FT51	T	OTRTS44761	21	2113	164.00	164.00	0.00	09-11-84
CAPLICE, D		4TGB05FT51	T	000TS44761	21	2111	62.50	62.50	0.00	08-21-84
CAPLICE, D		4TGB05FT51	T	000TS44761	21	2117	83.94	83.94	0.00	08-21-84
				TOTAL OCM			1,113.43	1,113.43	0.00	
CAPLICE, D	FC1009	4TFA05FH51	H	OTRTS43605	21	2113	164.00	0.00	164.00	05-21-84
CAPLICE, D		4TFA05FH51	H	000TS43605	21	2111	23.00	23.00	0.00	06-15-84
CAPLICE, D		4TFA05FH51	H	000TS43605	21	2115	32.24	32.24	0.00	06-15-84
CAPLICE, D		4TFA05FH51	H	000TS43605	21	2117	20.00	20.00	0.00	06-15-84
				TOTAL OCM			239.24	75.24	164.00	
CAPLICE, D	FC1010	4TFA05FH51	H	OTRTS43934	21	2113	164.00	164.00	0.00	07-23-84
CAPLICE, D		4TFA05FH51	H	000TS43934	21	2111	35.50	35.50	0.00	06-25-84
CAPLICE, D		4TFA05FH51	H	000TS43934	21	2114	8.62	8.62	0.00	06-25-84
CAPLICE, D		4TFA05FH51	H	000TS43934	21	2115	39.56	39.56	0.00	06-25-84
CAPLICE, D		4TFA05FH51	H	000TS43934	21	2117	12.80	12.80	0.00	06-25-84
				TOTAL OCM			260.48	260.48	0.00	
CAPLICE, D	FC1011	4TFA05FH51	H	OTRTS44026	21	2113	164.00	164.00	0.00	07-23-84
CAPLICE, D		4TFA05FH51	H	000TS44026	21	2111	141.99	141.99	0.00	07-05-84
CAPLICE, D		4TFA05FH51	H	000TS44026	21	2114	6.98	6.98	0.00	07-05-84
CAPLICE, D		4TFA05FH51	H	000TS44026	21	2115	93.60	93.60	0.00	07-05-84
CAPLICE, D		4TFA05FH51	H	000TS44026	21	2117	44.05	44.05	0.00	07-05-84
				TOTAL OCM			450.62	450.62	0.00	
CAPLICE, D	FC1013	4TFA05FH51	H	OTRTS44272	21	2113	164.00	164.00	0.00	08-09-84



01-15-85

## ENVIRONMENTAL PROTECTION AGENCY

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HAZARDOUS SUBSTANCE RESPONSE SITE (S1) VERONA WELL FIELD, MI  
 FMD OBJECT CLASSES (EXCLUDING OBJECT CLASSES 11 AND 12 SALARIES AND FRINGES)  
 AS OF JAN 11, 1984  
 PREPARED BY R. HOFFMAN

SFSITEND 51

TRAVELER NAME	DOC CONTRL NUMBER	ACCOUNT NUMBER	A C T Y	OBLIG DOCUMENT NUMBER	MAJ OC	ORJT CLAS	CUMULATIVE OBLIGATIONS CURRENT+PRIOR	CUM PAYMENTS (EXCLUDING ADVANCES)	UNPAID OBLIGATIONS	--LAST-- ACTION DATE
CAPLICE, D	FC1013	4TFA05FH51	H	000TS44272	21	2111	67.05	67.05	0.00	07-24-84
CAPLICE, D		4TFA05FH51	H	000TS44272	21	2115	64.48	64.48	0.00	07-24-84
CAPLICE, D		4TFA05FH51	H	000TS44272	21	2117	42.25	42.25	0.00	07-24-84
				TOTAL OCM			337.78	337.78	0.00	
CAPLICE, D	FC1015	4TFA05FH51	H	0TRTS43297	21	2113	164.00	164.00	0.00	06-06-84
CAPLICE, D		4TFA05FH51	H	000TS43297	21	2111	17.25	17.25	0.00	05-22-84
CAPLICE, D		4TFA05FH51	H	000TS43297	21	2115	32.24	32.24	0.00	05-22-84
CAPLICE, D		4TFA05FH51	H	000TS43297	21	2117	6.00	6.00	0.00	05-22-84
				TOTAL OCM			219.49	219.49	0.00	
CAPLICE, D	FC1016	4TFA05FH51	H	0TRTS43298	21	2113	164.00	164.00	0.00	06-06-84
CAPLICE, D		4TFA05FH51	H	000TS43298	21	2111	94.66	94.66	0.00	06-15-84
CAPLICE, D		4TFA05FH51	H	000TS43298	21	2114	6.98	6.98	0.00	06-15-84
CAPLICE, D		4TFA05FH51	H	000TS43298	21	2115	73.67	73.67	0.00	06-15-84
CAPLICE, D		4TFA05FH51	H	000TS43298	21	2117	18.80	18.80	0.00	06-15-84
				TOTAL OCM			358.11	358.11	0.00	
CAPLICE, D	FC1017	4TFA05FH51	H	0TRTS43299	21	2113	164.00	164.00	0.00	06-06-84
CAPLICE, D		4TFA05FH51	H	000TS43299	21	2111	224.82	224.82	0.00	06-15-84
CAPLICE, D		4TFA05FH51	H	000TS43299	21	2115	161.20	161.20	0.00	06-15-84
CAPLICE, D		4TFA05FH51	H	000TS43299	21	2117	38.50	38.50	0.00	06-15-84
				TOTAL OCM			588.52	588.52	0.00	
CAPLICE, D	FC1020	4TFA05FH51	H	0TRTS43776	21	2113	164.00	164.00	0.00	07-09-84
CAPLICE, D		4TFA05FH51	H	000TS43776	21	2111	153.82	153.82	0.00	06-25-84
CAPLICE, D		4TFA05FH51	H	000TS43776	21	2114	6.98	6.98	0.00	06-25-84
CAPLICE, D		4TFA05FH51	H	000TS43776	21	2115	96.72	96.72	0.00	06-25-84
CAPLICE, D		4TFA05FH51	H	000TS43776	21	2117	56.05	56.05	0.00	06-25-84
				TOTAL OCM			477.57	477.57	0.00	
CAPLICE, D	FC1021	4TFA05FH51	H	0TRTS43807	21	2113	164.00	0.00	164.00	05-31-84
CAPLICE, D		4TFA05FH51	H	000TS43807	21	2111	17.25	17.25	0.00	06-25-84
CAPLICE, D		4TFA05FH51	H	000TS43807	21	2114	6.98	6.98	0.00	06-25-84
CAPLICE, D		4TFA05FH51	H	000TS43807	21	2115	32.24	32.24	0.00	06-25-84
CAPLICE, D		4TFA05FH51	H	000TS43807	21	2117	15.80	15.80	0.00	06-25-84
				TOTAL OCM			236.27	72.27	164.00	
CAPLICE, D	FC1022	4TFA05FH51	H	0TRTS44346	21	2113	164.00	164.00	0.00	08-09-84
CAPLICE, D		4TFA05FH51	H	000TS44346	21	2111	71.00	71.00	0.00	08-01-84
CAPLICE, D		4TFA05FH51	H	000TS44346	21	2115	64.48	64.48	0.00	08-01-84
CAPLICE, D		4TFA05FH51	H	000TS44346	21	2117	42.00	42.00	0.00	08-01-84

HAZARDOUS SUBSTANCE RESPONSE SITE (51) VERONA WELL FIELD, MI  
 FMD OBJECT CLASSES (EXCLUDING OBJECT CLASSES 11 AND 12 SALARIES AND FRINGES)  
 AS OF JAN 11, 1984  
 PREPARED BY R. HOFFMAN

SFSITENO 51

TRAVELER NAME	DOC CONTRL NUMBER	ACCOUNT NUMBER	A C T Y	OBLIG DOCUMENT NUMBER	MAJ OC	OBJT CLAS	CUMULATIVE OBLIGATIONS CURRENT+PRIOR	CUM PAYMENTS (EXCLUDING ADVANCES)	UNPAID OBLIGATIONS	--LAST-- ACTION DATE
→ TOTAL DCN							341.48	341.48	0.00	←
PERREONE,	CA1001	4TGB05FT51	T	OTRTS40093	21	2113	312.00	312.00	0.00	11-28-83
PERREONE,		4TGB05FT51	T	000TS40093	21	2111	79.62	79.62	0.00	11-18-83
PERREONE,		4TGB05FT51	T	000TS40093	21	2117	56.80	56.80	0.00	11-18-83
PERREONE,		5TFA05FD51	D	OTRTS50840	21	2113	122.00	122.00	0.00	12-24-84
PERREONE,		5TFA05FD51	D	000TS50840	21	2111	52.95	52.95	0.00	12-07-84
PERREONE,		5TFA05FD51	D	000TS50840	21	2115	45.97	45.97	0.00	12-07-84
PERREONE,		5TFA05FD51	D	000TS50840	21	2117	0.90	0.90	0.00	12-07-84
TOTAL DCN							670.24	670.24	0.00	
PERREONE,	CA1002	4TFA05FD51	D	OTRTS42007	21	2113	164.00	164.00	0.00	03-20-84
PERREONE,		4TFA05FD51	D	000TS42007	21	2111	47.83	47.83	0.00	08-22-88
PERREONE,		4TFA05FD51	D	000TS42007	21	2117	24.20	24.20	0.00	08-22-88
PERREONE,		4TGB05FT51	T	OTRTS40171	21	2113	162.00	162.00	0.00	11-28-83
PERREONE,		4TGB05FT51	T	000TS40171	21	2111	43.33	43.33	0.00	11-15-83
PERREONE,		4TGB05FT51	T	000TS40171	21	2117	54.25	54.25	0.00	11-15-83
TOTAL DCN							495.61	495.61	0.00	
PERREONE,	CA1003	4TFA05FD51	D	OTRTS42833	21	2113	82.00	82.00	0.00	05-04-84
PERREONE,		4TFA05FD51	D	000TS42833	21	2111	29.26	29.26	0.00	04-18-84
PERREONE,		4TFA05FD51	D	000TS42833	21	2117	49.31	49.31	0.00	04-18-84
PERREONE,		4TGB05FT51	T	OTRTS40493	21	2113	144.00	144.00	0.00	12-05-83
PERREONE,		4TGB05FT51	T	000TS40493	21	2111	50.00	50.00	0.00	12-30-83
PERREONE,		4TGB05FT51	T	000TS40493	21	2114	6.15	6.15	0.00	12-30-83
PERREONE,		4TGB05FT51	T	000TS40493	21	2115	33.74	33.74	0.00	12-30-83
PERREONE,		4TGB05FT51	T	000TS40493	21	2117	7.76	7.76	0.00	12-30-83
TOTAL DCN							402.22	402.22	0.00	
PERREONE,	CA1005	4TGB05FT51	T	OTRTS40758	21	2113	164.00	164.00	0.00	12-22-83
PERREONE,		4TGB05FT51	T	000TS40758	21	2111	46.41	46.41	0.00	12-28-83
PERREONE,		4TGB05FT51	T	000TS40758	21	2114	6.15	6.15	0.00	12-28-83
PERREONE,		4TGB05FT51	T	000TS40758	21	2115	30.00	30.00	0.00	12-28-83
PERREONE,		4TGB05FT51	T	000TS40758	21	2117	16.00	16.00	0.00	12-28-83
TOTAL DCN							262.56	262.56	0.00	
PERREONE,	CA1007	4TFA05FD51	D	OTRTS42951	21	2113	164.00	164.00	0.00	05-22-84
PERREONE,		4TFA05FD51	D	000TS42951	21	2111	40.03	40.03	0.00	04-26-84
PERREONE,		4TFA05FD51	D	000TS42951	21	2117	19.35	19.35	0.00	04-26-84
TOTAL DCN							223.38	223.38	0.00	
MUSGRAVE,	CA1008	4TFA05FD51	D	OTRTS42954	21	2113	192.00	192.00	0.00	05-22-84

HAZARDOUS SUBSTANCE RESPONSE SITE (S1) VERONA WELL FIELD, MI  
 FMD OBJECT CLASSES (EXCLUDING OBJECT CLASSES 11 AND 12 SALARIES AND FRINGES)  
 AS OF JAN 11, 1984  
 PREPARED BY R. HOFFMAN

SFSITENO 51

TRAVELER NAME	DOC CONTRL NUMBER	ACCOUNT NUMBER	A C T Y	OBLIG DOCUMENT NUMBER	MAJ DC	OBJT CLAS	CUMULATIVE OBLIGATIONS CURRENT+PRIOR	CUM PAYMENTS (EXCLUDING ADVANCES)	UNPAID OBLIGATIONS	--LAST-- ACTION DATE
MUSGRAVE, MUSGRAVE,	CA1008	4TFA05F051 4TFA05F051	D D	000TS42954 000TS42954	21 21	2111 2117	45.51 0.25	45.51 0.25	0.00 0.00	04-18-84 04-18-84
				TOTAL DCN			237.76	237.76	0.00	
NORLING, F NORLING, F NORLING, F	FC1002	4TGB05FT51 4TGB05FT51 4TGB05FT51	T T T	OTRTS40518 000TS40518 000TS40518	21 21 21	2113 2111 2117	144.00 52.65 21.00	144.00 52.65 21.00	0.00 0.00 0.00	12-05-83 11-18-83 11-18-83
				TOTAL DCN			217.65	217.65	0.00	
KRATZMEYER KRATZMEYER	FC1013	4TFA05FH51 4TFA05FH51	H H	000TS42901 000TS42901	21 21	2111 2115	62.00 47.18	62.00 47.18	0.00 0.00	04-26-84 04-26-84
				TOTAL DCN			109.18	109.18	0.00	
DIKINIS, J DIKINIS, J DIKINIS, J DIKINIS, J DIKINIS, J DIKINIS, J DIKINIS, J DIKINIS, J DIKINIS, J DIKINIS, J	FC1001	4TFA05FH51 4TFA05FH51 4TFA05FH51 4TGB05FT51 4TGB05FT51 4TGB05FT51 4TGB05FT51 4TGB05FT51 5TGB05F451 5TGB05F451 5TGB05F451	H H H T T T T T 4 4	OTRTS40520 000TS40520 000TS40520 OTRTS40097 000TS40097 000TS40097 000TS40097 000TS40097 OTRTS50831 000TS50831 000TS50831	21 21 21 21 21 21 21 21 21 21	2113 2111 2117 2113 2111 2115 2117 2113 2111 2117	144.00 85.10 17.35 312.00 96.53 43.04 10.45 138.00 62.50 44.84	144.00 85.10 17.35 312.00 96.53 43.04 10.45 138.00 62.50 44.84	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	12-05-83 11-18-83 11-18-83 11-28-83 11-08-83 11-08-83 11-08-83 12-24-84 12-18-84 12-18-84
				TOTAL DCN			953.81	953.81	0.00	
DIKINIS, J DIKINIS, J DIKINIS, J DIKINIS, J DIKINIS, J DIKINIS, J DIKINIS, J DIKINIS, J DIKINIS, J	FC1002	4TFA05FH51 4TFA05FH51 4TFA05FH51 4TFA05FH51 4TFA05FH51 5TFA05FH51 5TFA05FH51 5TFA05FH51 5TFA05FH51	H H H H H H H H H	OTRTS40755 000TS40755 000TS44462 000TS44462 000TS44462 OTRTS50350 OTRTS50350 000TS50350 000TS50350	21 21 21 21 21 21 21 21 21	2113 2111 2111 2115 2117 2113 2111 2115 2117	172.70 69.21 175.00 115.44 37.48 100.00 112.50 62.70 10.40	172.70 69.21 175.00 115.44 37.48 100.00 112.50 62.70 10.40	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	12-27-83 12-27-83 08-20-84 08-20-84 08-20-84 11-20-84 11-16-84 11-16-84 11-16-84
				TOTAL DCN			855.43	855.43	0.00	
DIKINIS, J DIKINIS, J DIKINIS, J DIKINIS, J DIKINIS, J DIKINIS, J	FC1003	4TFA05FH51 4TFA05FH51 4TFA05FH51 4TFA05FH51 4TFA05FH51 4TFA05FH51	H H H H H H	OTRTS41412 000TS41412 000TS41412 000TS41622 000TS41622 000TS41622	21 21 21 21 21 21	2113 2111 2117 2111 2115 2117	270.00 42.60 27.20 225.00 178.08 77.69	270.00 42.60 27.20 225.00 178.08 77.69	0.00 0.00 0.00 0.00 0.00 0.00	02-16-84 01-30-84 01-30-84 02-13-84 02-13-84 02-13-84

HAZARDOUS SUBSTANCE RESPONSE SITE (S1) VERONA WELL FIELD, MI  
 FMD OBJECT CLASSES (EXCLUDING OBJECT CLASSES 11 AND 12 SALARIES AND FRINGES)  
 AS OF JAN 11, 1984

PREPARED BY R. HOFFMAN

SFSITENO 51

TRAVELER NAME	DOC CONTRL NUMBER	ACCOUNT NUMBER	A C T Y	OBLIG DOCUMENT NUMBER	MAJ DC	OBJT CLAS	CUMULATIVE OBLIGATIONS CURRENT+PRIOR	CUM PAYMENTS (EXCLUDING ADVANCES)	UNPAID OBLIGATIONS	--LAST-- ACTION DATE
DIKINIS, J	FC1003	4TFA05FH51	H	000TS44868	21	2111	175.00	175.00	0.00	08-26-84
DIKINIS, J		4TFA05FH51	M	000TS44868	21	2117	148.27	148.27	0.00	08-26-84
DIKINIS, J		4TGB05FT51	T	000TS41016	21	2111	187.50	187.50	0.00	12-28-83
DIKINIS, J		4TGB05FT51	T	000TS41016	21	2115	165.76	165.76	0.00	12-28-83
DIKINIS, J		4TGB05FT51	T	000TS41016	21	2117	51.32	51.32	0.00	12-28-83
				TOTAL DCM			1,548.42	1,548.42	0.00	
DIKINIS, J	FC1004	4TFA05FH51	H	OTRYS41669	21	2113	164.00	164.00	0.00	03-01-84
DIKINIS, J		4TFA05FH51	M	OTRYS42112	21	2113	194.00	194.00	0.00	03-20-84
DIKINIS, J		4TFA05FH51	H	000TS41669	21	2111	223.50	223.50	0.00	02-13-84
DIKINIS, J		4TFA05FH51	H	000TS41669	21	2115	104.00	104.00	0.00	02-13-84
DIKINIS, J		4TFA05FH51	M	000TS41669	21	2117	91.14	91.14	0.00	02-13-84
DIKINIS, J		4TFA05FH51	H	000TS42112	21	2111	43.50	43.50	0.00	03-07-84
DIKINIS, J		4TFA05FH51	H	000TS42112	21	2117	12.20	12.20	0.00	03-07-84
DIKINIS, J		4TGB05FT51	T	000TS40909	21	2111	237.50	237.50	0.00	12-28-83
DIKINIS, J		4TGB05FT51	T	000TS40909	21	2117	19.66	19.66	0.00	12-28-83
DIKINIS, J		5TFA05FH51	M	OTRYS50625	21	2113	138.00	138.00	0.00	11-29-84
DIKINIS, J		5TFA05FH51	H	000TS50625	21	2111	37.50	37.50	0.00	12-17-84
DIKINIS, J		5TFA05FH51	H	000TS50625	21	2115	49.60	49.60	0.00	12-17-84
DIKINIS, J		5TFA05FH51	H	000TS50625	21	2117	12.20	12.20	0.00	12-17-84
				TOTAL DCM			1,326.80	1,326.80	0.00	
DIKINIS, J	FC1005	4TFA05FH51	H	OTRYS41974	21	2113	164.00	164.00	0.00	03-20-84
DIKINIS, J		4TFA05FH51	M	OTRYS42145	21	2113	234.00	234.00	0.00	04-04-84
DIKINIS, J		4TFA05FH51	M	000TS41974	21	2111	75.00	75.00	0.00	02-27-84
DIKINIS, J		4TFA05FH51	M	000TS41974	21	2115	31.67	31.67	0.00	02-27-84
DIKINIS, J		4TFA05FH51	H	000TS41974	21	2117	7.40	7.40	0.00	02-27-84
DIKINIS, J		4TFA05FH51	H	000TS42145	21	2111	147.80	147.80	0.00	03-07-84
DIKINIS, J		4TFA05FH51	H	000TS42145	21	2115	72.06	72.06	0.00	03-07-84
DIKINIS, J		4TFA05FH51	M	000TS42145	21	2117	47.86	47.86	0.00	03-07-84
				TOTAL DCM			779.79	779.79	0.00	
DIKINIS, J	FC1006	4TFA05FH51	H	OTRYS42728	21	2113	379.00	379.00	0.00	05-04-84
DIKINIS, J		4TFA05FH51	H	000TS42728	21	2111	85.06	85.06	0.00	05-04-84
DIKINIS, J		4TFA05FH51	M	000TS42728	21	2115	33.80	33.80	0.00	05-04-84
DIKINIS, J		4TFA05FH51	M	000TS42728	21	2117	31.20	31.20	0.00	05-04-84
				TOTAL DCM			529.06	529.06	0.00	
DIKINIS, J	FC1007	4TGB05FT51	T	000TS42910	21	2111	62.50	62.50	0.00	04-16-84
DIKINIS, J		4TGB05FT51	T	000TS42910	21	2117	23.72	23.72	0.00	04-16-84
				TOTAL DCM			86.22	86.22	0.00	

HAZARDOUS SUBSTANCE RESPONSE SITE (51) VERONA WELL FIELD, MI  
 FMO OBJECT CLASSES (EXCLUDING OBJECT CLASSES 11 AND 12 SALARIES AND FRINGES)  
 AS OF JAN 11, 1984  
 PREPARED BY R. HOFFMAN

SFSITENO 51

TRAVELER NAME	DDC CONTRL NUMBER	ACCOUNT NUMBER	A C T Y	OBLIG DOCUMENT NUMBER	MAJ OC	OBJT CLAS	CUMULATIVE OBLIGATIONS CURRENT+PRIOR	CUM PAYMENTS (EXCLUDING ADVANCES)	UNPAID OBLIGATIONS	--LAST-- ACTION DATE
DIKINIS, J	FC1008	4TFA05FH51	H	000TS42336	21	2111	125.71	125.71	0.00	03-14-84
DIKINIS, J		4TFA05FH51	H	000TS42336	21	2115	96.32	96.32	0.00	04-04-84
DIKINIS, J		4TFA05FH51	H	000TS42336	21	2117	20.95	20.95	0.00	03-14-84
				TOTAL	DCN		242.98	242.98	0.00	
DIKINIS, J	FC1009	4TFA05FH51	H	OTRTS42404	21	2113	180.00	180.00	0.00	04-10-84
DIKINIS, J		4TFA05FH51	H	000TS42404	21	2111	5.00	5.00	0.00	03-21-84
DIKINIS, J		4TFA05FH51	H	000TS42404	21	2117	10.00	10.00	0.00	03-21-84
				TOTAL	DCN		195.00	195.00	0.00	
DIKINIS, J	FC1011	4TFA05FH51	H	OTRTS42830	21	2113	164.00	164.00	0.00	05-04-84
DIKINIS, J		4TFA05FH51	H	000TS42830	21	2111	21.28	21.28	0.00	04-10-84
DIKINIS, J		4TFA05FH51	H	000TS42830	21	2117	12.45	12.45	0.00	04-10-84
				TOTAL	DCN		197.73	197.73	0.00	
DIKINIS, J	FC1014	4TFA05FH51	H	OTRTS45449	21	2113	95.00	95.00	0.00	11-09-84
DIKINIS, J		4TFA05FH51	H	000TS45449	21	2111	68.75	68.75	0.00	10-12-84
DIKINIS, J		4TFA05FH51	H	000TS45449	21	2117	55.59	55.59	0.00	10-12-84
				TOTAL	DCN		219.34	219.34	0.00	
DIKINIS, J	FC1018	4TFA05FH51	H	OTRTS43578	21	2113	242.00	242.00	0.00	06-20-84
DIKINIS, J		4TFA05FH51	H	000TS43578	21	2111	162.50	162.50	0.00	06-15-84
DIKINIS, J		4TFA05FH51	H	000TS43578	21	2115	90.37	90.37	0.00	06-15-84
DIKINIS, J		4TFA05FH51	H	000TS43578	21	2117	18.40	18.40	0.00	06-15-84
				TOTAL	DCN		513.27	513.27	0.00	
DIKINIS, J	FC1023	4TFA05FH51	H	000TS44538	21	2111	187.50	187.50	0.00	08-20-84
DIKINIS, J		4TFA05FH51	H	000TS44538	21	2115	115.44	115.44	0.00	08-20-84
DIKINIS, J		4TFA05FH51	H	000TS44538	21	2117	23.00	23.00	0.00	08-20-84
				TOTAL	DCN		325.94	325.94	0.00	
	DZM033	4TFA725E51	E	0068945008	25	2535	500,000.00	437,943.00	62,057.00	12-04-84
				TOTAL	DCN		500,000.00	437,943.00	62,057.00	
WONG, GENE	FC1012	4TFA05FH51	H	000TS42900	21	2111	25.00	25.00	0.00	04-30-84
WONG, GENE		4TFA05FH51	H	000TS42900	21	2117	25.00	25.00	0.00	04-30-84
				TOTAL	DCN		50.00	50.00	0.00	
	FC1009	3TFA05FD51	D	OTRTS34078	21	2113	156.00	0.00	156.00	08-16-83
		3TFA05FD51	D	000TS34078	21	2111	57.50	57.50	0.00	08-30-83
		3TFA05FD51	D	000TS34078	21	2115	31.20	31.20	0.00	08-30-83
		3TFA05FD51	D	000TS34078	21	2117	196.00	196.00	0.00	08-30-83

HAZARDOUS SUBSTANCE RESPONSE SITE (S1) VERONA WELL FIELD, MI  
 FND OBJECT CLASSES (EXCLUDING OBJECT CLASSES 11 AND 12 SALARIES AND FRINGES)  
 AS OF JAN 11, 1984

PREPARED BY R. HOFFMAN

SFSITEND 51

TRAVELER NAME	DOC CONTRL NUMBER	ACCOUNT NUMBER	A C T Y	OBLIG DOCUMENT NUMBER	MAJ OC	OBJT CLAS	CUMULATIVE OBLIGATIONS CURRENT+PRIOR	CUM PAYMENTS (EXCLUDING ADVANCES)	UNPAID OBLIGATIONS	--LAST-- ACTION DATE
TOTAL DCN							440.70	204.70	156.00	
OSTRODKA,	FC1001	3TFA05FD51	D	OTRTS33290	21	2113	70.00	70.00	0.00	07-14-83
OSTRODKA,		3TFA05FD51	D	000TS33290	21	2111	136.13	136.13	0.00	07-27-83
OSTRODKA,		3TFA05FD51	D	000TS33290	21	2115	73.77	73.77	0.00	07-27-83
OSTRODKA,		3TFA05FD51	D	000TS33290	21	2117	30.50	30.50	0.00	07-27-83
OSTRODKA,		3TGB05FT51	T	000TS30181	21	2111	62.50	62.50	0.00	11-15-82
OSTRODKA,		3TGB05FT51	T	000TS30181	21	2117	3.70	3.70	0.00	11-15-82
OSTRODKA,		4TFA05FD51	D	OTRTS40214	21	2113	162.00	162.00	0.00	11-28-83
OSTRODKA,		4TFA05FD51	D	000TS40214	21	2111	25.25	25.25	0.00	11-21-83
OSTRODKA,		4TFA05FD51	D	000TS40214	21	2117	16.20	16.20	0.00	11-21-83
OSTRODKA,		4TFA05FH51	H	000TS44452	21	2111	61.25	61.25	0.00	08-01-84
OSTRODKA,		4TFA05FH51	H	000TS44452	21	2115	44.50	44.50	0.00	08-01-84
OSTRODKA,		4TFA05FH51	H	000TS44452	21	2117	16.35	16.35	0.00	08-01-84
TOTAL DCN							710.23	710.23	0.00	
OSTRODKA,	FC1002	3TGB05FT51	T	OTRTS30951	21	2113	70.00	70.00	0.00	01-18-83
OSTRODKA,		3TGB05FT51	T	000TS30951	21	2111	23.00	23.00	0.00	01-18-83
OSTRODKA,		3TGB05FT51	T	000TS30951	21	2117	43.00	43.00	0.00	01-18-83
TOTAL DCN							146.00	146.00	0.00	
OSTRODKA,	FC1003	3TFA05FH51	H	000TS33706	21	2111	122.75	122.75	0.00	08-04-83
OSTRODKA,		3TFA05FH51	H	000TS33706	21	2115	147.14	147.14	0.00	08-04-83
OSTRODKA,		3TFA05FH51	H	000TS33706	21	2117	40.00	40.00	0.00	08-04-83
OSTRODKA,		3TGB05FT51	T	OTRTS31108	21	2113	350.00	350.00	0.00	02-23-83
OSTRODKA,		3TGB05FT51	T	000TS31108	21	2111	79.71	79.71	0.00	03-21-83
OSTRODKA,		3TGB05FT51	T	000TS31108	21	2114	16.00	16.00	0.00	02-09-83
OSTRODKA,		3TGB05FT51	T	000TS31108	21	2117	26.45	26.45	0.00	03-02-83
TOTAL DCN							702.05	702.05	0.00	
OSTRODKA,	FC1004	3TGB05FT51	T	000TS31151	21	2111	75.00	75.00	0.00	01-26-83
OSTRODKA,		3TGB05FT51	T	000TS31151	21	2117	3.70	3.70	0.00	01-26-83
TOTAL DCN							78.70	78.70	0.00	
OSTRODKA,	FC1005	3TGB05FT51	T	OTRTS33442	21	2113	120.00	120.00	0.00	08-04-83
OSTRODKA,		3TGB05FT51	T	000TS33442	21	2111	23.00	23.00	0.00	07-14-83
OSTRODKA,		3TGB05FT51	T	000TS33442	21	2114	8.00	8.00	0.00	07-14-83
OSTRODKA,		3TGB05FT51	T	000TS33442	21	2117	22.20	22.20	0.00	07-14-83
TOTAL DCN							173.20	173.20	0.00	
OSTRODKA,	FC1007	3TFA05FD51	D	000TS33896	21	2111	175.00	175.00	0.00	08-23-83
OSTRODKA,		3TFA05FD51	D	000TS33896	21	2115	189.45	189.45	0.00	08-23-83

HAZARDOUS SUBSTANCE RESPONSE SITE (S1) VERONA WELL FIELD, MI  
 FMD OBJECT CLASSES (EXCLUDING OBJECT CLASSES 11 AND 12 SALARIES AND FRINGES)  
 AS OF JAN 11, 1984  
 PREPARED BY R. HOFFMAN

SFSITENO 51

TRAVELER NAME	DOC CONTRL NUMBER	ACCOUNT NUMBER	A C T Y	OBLIG DOCUMENT NUMBER	MAJ OC	OBJT CLAS	CUMULATIVE OBLIGATIONS CURRENT+PRIOR	COM PAYMENTS (EXCLUDING ADVANCES)	UNPAID OBLIGATIONS	--LAST-- ACTION DATE
OSTRODKA,	FC1007	3TFA05FD51	D	000TS33896	21	2117	38.70	38.70	0.00	08-23-83
				TOTAL DCN			403.15	403.15	0.00	
OSTRODKA,	FC1008	3TFA05FD51	D	0TRTS34067	21	2113	141.00	141.00	0.00	09-28-83
				TOTAL DCN			141.00	141.00	0.00	
	E2H057	QSFA725R51	R	0068016692	25	2535	1,800,000.00	1,800,000.00	0.00	11-05-84
				TOTAL DCN			1,800,000.00	1,800,000.00	0.00	
	E2B191	MSFA725L51	L	0068016692	25	2535	440,000.00	440,000.00	0.00	08-06-84
		MSFA725M51	M	0068016692	25	2535	110,000.00	110,000.00	0.00	07-10-84
				TOTAL DCN			550,000.00	550,000.00	0.00	
	E2H054	QSFA725L51	L	0068016692	25	2535	300,000.00	60,379.57	239,620.43	10-03-84
				TOTAL DCN			300,000.00	60,379.57	239,620.43	
	E2H064	4TFA725L51	L	0068016692	25	2535	175,000.00	175,000.00	0.00	11-05-84
				TOTAL DCN			175,000.00	175,000.00	0.00	
BARTELT, R	FC1006	3TFA05FD51	D	0TRTS33854	21	2113	156.00	156.00	0.00	09-08-83
BARTELT, R		3TFA05FD51	D	000TS33854	21	2111	50.24	50.24	0.00	09-14-83
BARTELT, R		3TFA05FD51	D	000TS33854	21	2117	60.60	60.60	0.00	09-14-83
				TOTAL DCN			266.84	266.84	0.00	
BARTELT, R	FC1010	4TFA05FH51	H	0TRTS42719	21	2113	270.00	270.00	0.00	05-04-84
BARTELT, R		4TFA05FH51	H	000TS42719	21	2111	88.99	88.99	0.00	04-04-84
BARTELT, R		4TFA05FH51	H	000TS42719	21	2117	48.95	48.95	0.00	04-04-84
				TOTAL DCN			407.94	407.94	0.00	
TOTAL SFSITENO							4,335,002.02	3,306,607.15	1,028,394.87	

01-15-85

ENVIRONMENTAL PROTECTION AGENCY

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HAZARDOUS SUBSTANCE RESPONSE SITE (S1) VERONA WELL FIELD, MI  
FMD OBJECT CLASSES (EXCLUDING OBJECT CLASSES 11 AND 12 SALARIES AND FRINGES)  
AS OF JAN 11, 1984  
PREPARED BY R. HOFFMAN

TRAVELER NAME	DOC CONTRL NUMBER	ACCOUNT NUMBER	A C T Y	OBLIG DOCUMENT NUMBER	MAJ DC	OBJT CLAS	CUMULATIVE OBLIGATIONS CURRENT+PRIOR	CUM PAYMENTS (EXCLUDING ADVANCES)	UNPAID OBLIGATIONS	--LAST-- ACTION DATE
GRAND TOTAL							4,335,002.02	3,306,607.15	1,028,394.87	



APPENDIX P

TAT Cost Summary

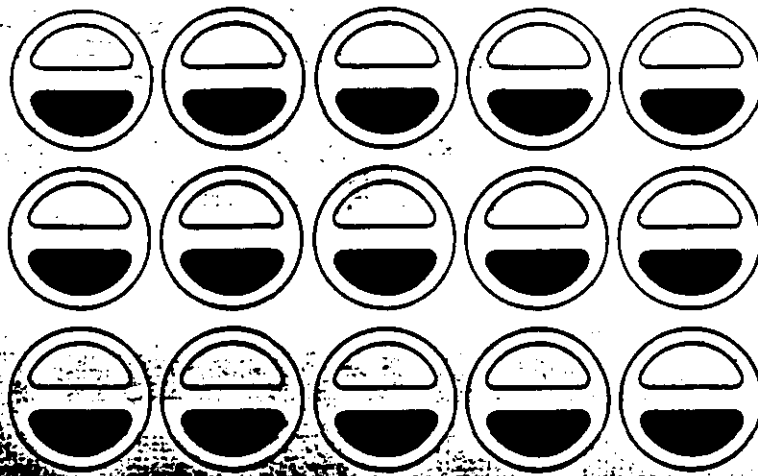
TAT Cost Summary

According to Kurt Stimson of Roy F. Weston, a final summary of the TAT expenses will not be available until after the project report is finalized. For the purposes of this report and appendix, Mr. Stimson has provided the following summary and projection of costs. These numbers were given to the OSC, Dan Caplice on January 25, 1985.

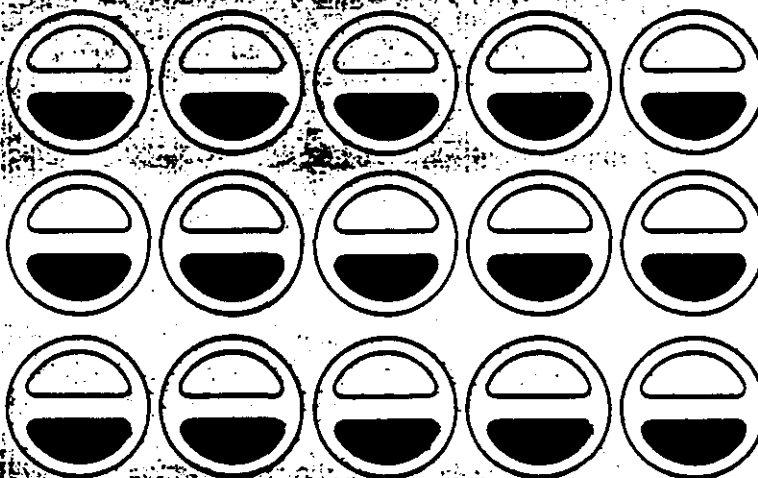
- TAT Cost as of 1/25/85	\$18,122.14
- Projected Final TAT Costs	19,308.00

APPENDIX Q

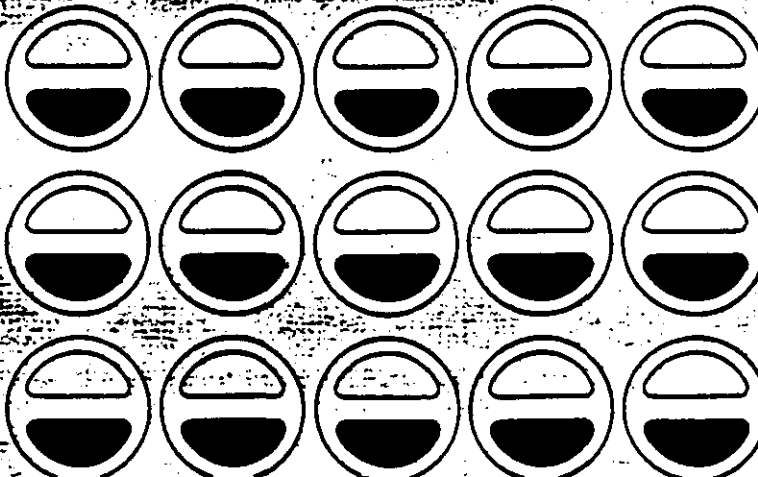
ERCS Contractor's Final Project Report



FINAL REPORT OF  
DELIVERY ORDER NO. 6894-05-008  
VERONA WELL FIELD PROJECT  
UNDER  
EPA CONTRACT 68-01-6894



**PEI ASSOCIATES**



**PEI ASSOCIATES, INC.**

(FORMERLY PEDCO ENVIRONMENTAL, INC.)

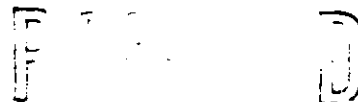
11499 CHESTER ROAD  
CINCINNATI, OHIO 45246

(513) 782-4700

TELECOPIER (513) 782-4807

January 25, 1985

Mr. Daniel M. Caplice  
Remedial Project Manager/OSC  
U.S. Environmental Protection Agency 5-HR  
230 S. Dearborn  
Chicago, IL 60604



Subject: EPA Contract No. 68-01-6894  
Delivery Order No. 6894-05-008  
Verona Well Project

Dear Dan:

Please find enclosed the revised final report for the subject delivery order. This edition reflects all of the comments and corrections provided and includes a revised cost summary report. As we discussed, we are also enclosing a 1900-55 form for cost incurred in revising the report, and an invoice for \$30,573.19. The costs presented in the January 22 1900-55 form are included in the invoice and CSR, since these had previously been verbally approved. Finally, a reconciliation statement is included to explain a few errors that were found in the original 1900-55 forms.

By copy of this letter all of the above information is being provided to the Project Officer, Deputy Project Officer and Contracting Officer.

As always, if you have any questions, please contact me or John Bruck at 513/782-4700.

Sincerely,

PEI ASSOCIATES, INC.

A handwritten signature in cursive script, appearing to read 'M C Hessling'.

Michael C. Hessling  
Response Manager

MCH/vss

Enclosures

cc: J. Bruck  
J. Jowett  
G. Regan  
T. O'Connell



CHESTER TOWERS

BRANCH OFFICES

DALLAS, TEXAS  
DENVER, COLORADO

COLUMBUS, OHIO  
DURHAM, NORTH CAROLINA

KANSAS CITY, KANSAS



RECONCILIATION FOR FORM 1900-55's - 6894-05-008 BATTLE CREEK

Date	Item	1900-55 cost	Actual cost	Difference
05/17/84	Side grinders (two)	10.00 10.00	11.00 11.00	1.00 1.00
05/20/84	Side grinders (two)	11.00 11.00	9.00 9.00	(2.00) (2.00)
05/21/84	Grooving machine	20.00	45.00	25.00
	Side grinders (two)	18.00	0.00	(18.00)
05/23/84	Addition error in equipment	1407.00	687.00	(720.00)
	Wrong labor total used for final	3104.75	3514.25	409.50
05/24/84	Addition error in equipment	11623.80	11683.80	60.00
	Fuel (Clark Oil)	18.85	28.85	10.00
	Handling charge adjustment			.30
05/25/84	Foreman Level 2 - wrong rate	201.60	183.00	(18.60)
	Laborer - wrong rate	126.40	94.80	(31.60)
05/29/84	Addition error in equipment	85.00	86.00	1.00
06/01/84	Pump starters, etc. (Lawrence Elec)	4067.00	4091.40	24.40
	Handling charge adjustment			.73
08/09/84	Materials - 3% handling charge not added	0.00	86.37	86.37
10/23/84	Fuel	31.25	31.62	.37
10/24/84	Fuel	12.50	12.64	.14
10/25/84	Subcontract - 3% handling charge not added	0.00	(5.45)	(5.45)
				-177.84

FINAL REPORT OF  
DELIVERY ORDER NO. 6894-05-008  
VERONA WELL FIELD PROJECT  
UNDER  
EPA CONTRACT 68-01-6894

Submitted to: Mr. Daniel M. Caplice  
Remedial Project Manager/OSC  
U.S. ENVIRONMENTAL PROTECTION AGENCY  
230 SOUTH DEARBORN  
CHICAGO, IL 60604

Submitted by: PEI Associates, Inc.  
11499 Chester Road  
P.O. Box 46100  
Cincinnati, OH 45246

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## 1.0 INTRODUCTION

This report was prepared under the Emergency Response Cleanup Services (ERCS) Zone III contract; and specifically under Delivery Order No. 6894-05-008. That contract requires, in Article XVI.B.5, that the contractor shall provide, at the request of the Deputy Project Officer or On-Scene Coordinator, an optional final report for any specified delivery order. Mr. Daniel Caplice, On-Scene Coordinator for Delivery Order 6894-05-008, has exercised this option, and this report was prepared in compliance with contract requirements for that delivery order.

Article XVI of the ERCS contract requires that a delivery order final report shall detail all costs, approaches used, and any problems encountered. This report addresses all of those requirements and is organized as follows.

Section 2.0, Technical Summary, is a semichronological summary of the field, office, and laboratory activities involved in the completion of this delivery order and addresses approaches used, problems encountered and their solutions.

Section 3.0, Selection of Vendors, addresses the methodology used in selecting major subcontractors and material suppliers to the project. The emergency nature of the project occasionally precluded the selection of subcontractors on the basis of price alone, and these instances are particularly addressed. It should be noted that while PEI frequently recommended particular vendors, the final approval/decision was usually made by the On-Scene Coordinator.

Section 4.0, Cost Summary, includes a summary of all costs claimed by PEI for the delivery order.

Appendices to the report include the engineering drawings prepared by PEAS, Inc., the carbon treatment system operation manual, the accelerated column test report, and a compilation of the supporting documents for all reimbursable costs for this delivery order.

## 2.0 TECHNICAL SUMMARY

### 2.1 PROJECT OVERVIEW

Prior to the receipt of Delivery Order 6894-05-008, PEI had several discussions with Messrs. Jonas Dikinis and Dan Caplice regarding the scope and projected costs of the project. The scope of the project at that time involved the installation of a carbon treatment system on an emergency basis at the Verona pumping station in Battle Creek, Michigan. This system would be required to treat an estimated 1700 gpm of contaminated water from five existing wells in the Verona well field. The system would further be required to provide a minimum treatment efficiency of 95 percent, based upon the following design inlet contaminant concentrations.

#### DESIGN INLET CONTAMINATION FOR BATTLE CREEK CARBON TREATMENT SYSTEM

Compound	Concentration (ppb)
Perchloroethylene	94
Trichloroethylene	62
1,1-Dichloroethane	38
1,2-Dichloroethane	8
1,1,1-Trichloroethane	150
1,1-Dichloroethylene	11
1,2-Dichloroethylene	229

In addition to installation of the treatment unit itself, PEI would be required to:

- Install all piping necessary to bring water from five specified wells to a central location for activated carbon treatment, and provide a discharge line from the treatment system to the Battle Creek River.
- Provide sampling and analysis to determine the effectiveness of the treatment system.
- Provide for disposal of the activated carbon.

PEI conducted a series of discussions with Calgon Carbon Corporation regarding their ability to assist PEI in providing needed equipment on an emergency basis. Calgon indicated at that time that four 20,000-pound carbon adsorbers and 80,000 pounds of activated carbon would meet the treatment

requirements and that this equipment could be available with as little as two to three weeks notice. Based upon this information, PEI response manager Mike Hessling provided a verbal estimated startup schedule of thirty days from project initiation. This estimate also assumed, as had previously been indicated, that there was sufficient pressure head available from the well field pumps to meet the system requirements. This thirty-day estimate eventually became the target for system startup.

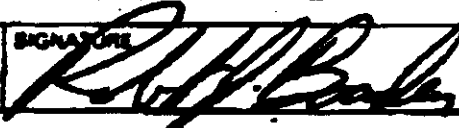
PEI received the delivery order for assignment 6894-05-008 on April 20, 1984 at 11:20 p.m. EST. That delivery order, a copy of which is included as Figure 1, required that PEI be onsite for a project planning meeting at 9:00 a.m. on April 24. The meeting was eventually postponed until April 25, and included representatives from PEI, Calgon, the City Engineer's office, the Verona pump station, and the On-Scene Coordinator.

A great deal of background information was provided at this meeting and two items in particular were discussed that had a significant impact on the project scope as it had previously been presented. First, the flow rate from the selected wells was determined to be 1950 gpm instead of 1700 as estimated in the delivery order. Calgon's engineer felt that the treatment vessels could handle this flow by increasing the velocity and pressure drop across the unit.

Second, the well field pumps did not have the head capacity, as had previously been indicated, to drive the water through the carbon units. A lift station of some type would be required to service the carbon treatment system. This lift station was perceived as the critical element in the schedule for startup and OSC Dan Caplice directed PEI to make rapid construction of this structure the highest priority of the project.

## 2.2 PRELIMINARY DESIGN

Based upon information gathered at the April 25 project planning meeting in Battle Creek, PEI determined that an outside engineering firm should be retained to design the lift station. PEAS, Inc. was selected on April 26 due to their capabilities, availability and close working proximity to PEI. Mr. Joe Stockwell, P.E., president of PEAS, met with Mike Hessling on April 27. Project requirements were reviewed at that meeting and it was decided that a prefabricated lift station and two off-the-shelf turbine pumps would

DELIVERY ORDER FOR EMERGENCY RESPONSE CLEANUP SERVICES				
<i>(This delivery order is issued subject to all terms and conditions of the contract identified in Block 2.)</i>				
1. DATE OF ORDER <b>APRIL 20, 1984</b>	2. CONTRACT NUMBER <b>68-01-6894</b>	3. ORDER NUMBER <b>0008</b>		
4. TIME OF INITIAL ORDER (If initial order was verbal, Specify Time Zone) <b>APRIL 20, 1984</b> <b>10:20 CST</b>	5. DELIVERY ORDER CEILING AMOUNT (Obligated Amount) <b>500,000</b>			
	6. ACCOUNTING AND APPROPRIATION DATA			
	Appropriation Number <b>6820 X 8145</b>	Document Control No.	Account Number <b>HTFA721651</b>	Object Class <b>25.35</b>
7a. ISSUED TO CONTRACTOR (Name, Address, and ZIP Code) <b>PEECO ENVIRONMENTAL INC</b> <b>11499 CHESTER RD.</b> <b>CINCINNATI, OHIO 45248</b>		7b. ISSUED BY: ORDERING OFFICE (Name, Address, and ZIP Code) <b>USEPA, REG II</b> <b>SPILL RESP. SECTION</b> <b>536 S. CLARK ST</b> <b>CHICAGO, IL 60605</b>		
7c. PROGRAM MANAGER (Name and Phone Number) <b>MR LEO BRUER (513) 782-4801</b>	7d. EPA REGION/USCG DISTRICT <b>V</b>	7e. ZONE <b>III</b>		
7f. RESPONSE MANAGER (Name and Phone Number) <b>CALGEN</b>	7g. ON SCENE COORDINATOR (Name and Phone Number) <b>DANIEL M. CAPLKE</b>			
8. RESPONSE LOCATION (Site Name and/or Address and ZIP Code) <b>BATTLE CREEK, MICHIGAN</b> <b>VORONA WML FIELD PUMP STATION</b>	10. CONTRACTOR REQUIRED ON SITE (Date and Time; Specify Time Zone) <b>APRIL 24 1984</b> <b>9:00 AM EST</b>			<input checked="" type="checkbox"/> AM <input type="checkbox"/> PM
	11. REQUIRED WORK COMPLETION DATE <b>SEE BELOW</b>			
12. STATEMENT OF WORK The Contractor shall furnish the necessary personnel, materials, services, facilities, and otherwise do all things necessary for or incident to the performance of the work set forth below. <b>THE CONTRACTOR SHALL INSTALL A CARBON FILTRATION SYSTEM ON 5 WELLS ON A COMMON HEADER IN THE CITY OF BATTLE CREEK MICHIGAN AS DIRECTED BY THE OSC. TOTAL FLOW IS ESTIMATED AT 1700 GPM. SYSTEM WILL REMOVE AT LEAST 95% OF VOLATILE ORGANIC SOLVENTS AND DISCHARGE TO BATTLE CREEK RIVER. CONTRACTOR SHALL MONITOR THE QUALITY OF THE INFLUENT AND EFFLUENT AS DIRECTED BY THE OSC. POWER AND SITE SECURITY WILL BE PROVIDED BY THE CITY OF BATTLE CREEK. THE SYSTEM WILL BE OPERATED CONTINUOUSLY FOR AN ESTIMATED PERIOD OF FOUR MONTHS WITH A MAXIMUM OF SIX MONTHS. SPENT CARBON WILL BE REPLACED AND DISPOSED OF AS DIRECTED BY THE OSC.</b>				
13. ORDERING OFFICER				
NAME/TELEPHONE <b>ROBERT J. BOWEN</b> <b>CHIEF SRS.</b>	SIGNATURE 		DATE <b>April 20, 1984</b>	

EPA Form 600-20 (11-83)

USEPA 1980-200-300000

Figure 1. Delivery Order No. 6894-05-008.

offer the greatest chance for meeting the project's strict schedule. Following the meeting, PEAS engineer, Bud Wahl, was assigned the task of contacting likely vendors and locating the required equipment. It should be emphasized that the contacts made by PEAS engineers at this point were not solicitations for fixed bids, but rather were a search for off-the-shelf turbine equipment, including a pre-fab (package) lift station. A list of the companies contacted is included in Table 1.

Another project planning meeting was held on Monday, April 30, at which time Mr. Stockwell informed PEI that the flowrate requirements were too great for a package lift station. A new preliminary design for the lift station was developed based upon setting a 12' section of 10' diameter concrete pipe vertically upon a poured concrete pad. This new design assumed that a turbine pump would be available, although PEAS engineer Bud Wahl had not yet been able to locate one.

On Tuesday, May 1, PEAS informed PEI response manager, Mike Hessling, that, according to information available, turbine pump equipment that would meet the project's needs was not available "off-the-shelf". Manufacturing lead time was estimated at 12 to 16 weeks by several manufacturers. It was therefore necessary to design a lift station that could incorporate more readily available horizontal centrifugal pumps. Mr. Hessling contacted Calgon (the carbon filtration system supplier) to determine the accuracy of their earlier estimate of 75 ft of head loss across the carbon absorber under theoretical design conditions. Calgon engineer, J. D. Henry, responded with a calculated pressure drop of 56 to 58 feet. Allowing 22 to 24 feet for vertical lift and pipe friction, a pump delivering 80 feet of head would be adequate.

PEAS engineers, Stockwell and Wahl, presented the current design to PEI on May 2. This design is based on a wet well-dry well system and includes 5 horizontal centrifugal pumps each rated at 500 gpm and 80 feet of head. At the time of this presentation, Bud Wahl had also contacted five suppliers of horizontal centrifugal pumps and had located one company which could supply these pumps in 7 to 10 days from receipt of order. A summary of the bids and delivery schedules quoted is provided in Table 2. This design concept was presented to OSC Dan Caplice at the Verona site on May 3, and under his approval and direction PEAS began work on detailed structural, piping, and electrical drawings.

TABLE 1  
TURBINE PUMP (1000-2000 gpm) AVAILABILITY  
MANUFACTURERS CONTACTED

1. Aurora Pump Company
2. Goulds Pumps
3. West Pump Company
4. Weissman Pump Company
5. Enpo Cornell
6. Smith Lovelace
7. Fairbanks Morse
8. Pierless
9. Worthington

TABLE 2  
 HORIZONTAL CENTRIFUGAL PUMP AVAILABILITY AND COST  
 (500 gpm @ 80' & 20 HP)

<u>Company</u>	<u>Price per pump (\$)</u>	<u>Delivery schedule (five pumps)</u>
Bell & Gossett Aromac Supply	1739	3 weeks
Worthington Pump Company	1700	3 weeks
Goulds Pumps	2733	2-3 weeks
Weil Pump Company	1500	4 weeks
Aurora Pump Company	1388	7-10 days

### 2.3 DETAILED DESIGN

The lift station design consists of a 13,500-gallon reservoir, or wet well, and a dry well which contains the five horizontal centrifugal pumps and all the electrical and control systems. The twelve foot depth of the structure was controlled by the depth of the 18" inlet pipe from the well field. There are three sleeves through the wall separating the two "wells" and these feed a common header in the dry chamber. Each of the five pumps draws water separately from this header and supplies it under pressure to the 14" common line overhead. The number of pumps operating at any given time is controlled by electronic probes in the reservoir. As the water level rises, more pumps are started until enough dry well pumps are operating to begin drawing the level back down. These probes are spaced at two-foot intervals of depth and the system is designed such that the reservoir level would fluctuate within one two-foot interval. (It should be noted that a later field modification to the design lowered the level of the system overflow by approximately one foot. The uppermost probe switch interval was therefore reduced to one foot, and the reservoir level now typically fluctuates within this one-foot interval.)

The first set of detailed structural drawings and sections was issued on Monday, May 7. These drawings were adequate to complete the excavation and construction of the wet well/dry well structure. The facility drawing was reissued on May 9, and included the addition of all piping layouts and details. This drawing was distributed to all contractors on site including Hunter-Prell, the piping contractor who had been selected. Hunter-Prell foremen prepared materials takeoffs from this drawing and assisted PEI in specifying the pipe, tees, ells and other fittings required. Detailed diagrams of major pipe assemblies were also prepared by Hunter-Prell.

The detailed electrical drawing was released by PEAS on Friday, May 11. A diagram of the level controller probes and manufacturers literature on these units was also provided.

Following the receipt of these three drawings and related materials, the responsibility for system design was transferred to the field. Several modifications were made to the design during construction. The most significant of these involved the construction of the dry well piping as a mirror image of the drawing. This was necessary because the detailed design had been completed before the wet well/dry well orientation had been established. Other field design modifications involved the piping supports, the overflow design, and the enclosure for the level control modules.



During the later stages of construction, the OSC requested that as-built drawings be prepared to reflect the design changes effected in the field. PEAS engineer Joe Stockwell visited the site on June 13 to compile notes for drawing modification, and a draft set of as-built drawings was issued on July 9. These drawings underwent extensive review for accuracy and completeness, and were reissued in draft form on August 30 and again on September 10 with further modifications. Finally, after being reviewed by the OSC, the Response Manager, PEAS engineers, and the foreman from the electrical contractor, a final set of record drawings was released. Appendix A to this report includes copies of the three principle design drawings, the final record drawings, and details showing all major modifications to the well field pipe system.

## 2.4 CONSTRUCTION

### 2.4.1 Excavation and Placement of Underground Pipe

Following the project planning meeting of April 25, excavation services were needed quickly to begin locating the existing well field pipe and trenching for the new lines. Battle Creek City engineer Larry Osborne recommended Hoffman Brothers, Inc., a local excavation contractor that frequently installed water and sewer pipe for the City. Arrangements were made by the response manager to provide Hoffman Brothers' services under the fixed rate provisions of the ERCS contract, and on April 27 this contractor met with OSC Caplice and began excavating to locate existing well field pipes. The use of a local contractor eliminated mobilization and travel/per diem costs possibly associated with providing these services through an ERCS permanent contract team member.

Excavation was continued through May 3, when the ductile iron underground pipe was delivered. The 14" and 18" pipes and associated valves were installed between May 4 and May 8, along with two plugs to isolate the remaining well field system. A site map (sketch) showing the locations of the new underground pipelines is presented in Figure 2. Four detail drawings showing the precise modifications made to the original well field system are included in Appendix A.

### 2.4.2 Construction of Lift Station

Murray Construction was selected on May 8 as contractor for the construction of the lift station. Costs for this contractor were handled under the



fixed rate provisions of the ERCS contract (there were hourly rates for the labor categories expected to be utilized in this construction activity). Murray Construction began preparing the excavation for concrete on May 9. The fifteen-foot depth of the excavation was approximately four feet below static groundwater level. This problem was successfully controlled by constructing a stone sump pit at the base of the excavation just east of the marked location for the lift station. Approximately one foot of stone was placed in the excavation to stabilize mud and provide a base for the 16" concrete floor. On May 15, having resolved continual problems involving unstable side slopes and the inflow of groundwater, 33 yards of concrete were poured to form the lift station floor.

Form work for the 12-foot high walls was subcontracted to Jack Saye, a Battle Creek contractor specializing in poured concrete walls. These walls were poured in three four-foot lifts using a crane and concrete bucket. The 8" concrete roof over the dry well wall was not poured until after system startup to facilitate installation of the electric and piping facilities.

#### 2.4.3 Installation of Carbon Adsorption Modules

PEI provided the required high-volume activated carbon treatment modules by leasing this equipment from Calgon Carbon Corporation. The equipment available from Calgon included 20,000-pound modules, which were normally mounted two per trailer. Calgon estimated that each module could normally handle approximately 450 gpm under the design condition expected in Battle Creek, and recommended that four vessels, or two "duals", be utilized for this project.

These two duals were delivered to the site on May 9 and 10 and were loaded with activated carbon almost immediately. The units were placed facing each other to allow inlet and outlet piping to be installed between the units. A 50-ton crane was required to remove these units from their trailers and place them on railroad ties used for cribbing. Calgon provided three men to assist in assembling the units, connecting them correctly, and loading the units with carbon.

#### 2.4.4 Piping Fabrication and Installation

PEI provided the necessary piping and welding services at contract fixed rates by negotiating a time and materials agreement with a local Battle Creek mechanical contractor, Hunter-Prell, Inc.

In order to complete the piping fabrication and installation in the quickest possible time frame, it was decided that the complicated piping required inside the dry well could largely be fabricated before the dry well itself was complete. Hunter-Prell set up several welding stations in the existing maintenance building and well houses around the Verona site. The large piping assemblies were completed in this manner at about the same time that the lift station was prepared to accept them. The dry well roof was not constructed prior to system startup so that the large assemblies could be installed and welders could have adequate light and ventilation to work by. Completion of this phase of the project within the prescribed time frame required a seven-day work week and at one point as many as sixteen welders and pipefitters.

In addition to welding and pipefitting activities, Hunter-Prell also prepared detailed sketches of the various pipe assemblies, assisted in defining and incorporating design changes necessitated by field conditions, and participated in correctly specifying and ordering pipe materials and fittings.

#### 2.4.5 Electrical Service

In order to streamline the installation of electrical services to the lift station and obtain as much information as possible regarding existing electrical service at the Verona site, PEI endeavored to obtain the services of Mr. Roger Ellis who had served as electrical foreman during the construction of the Verona pump station. Mr. Ellis, who now worked for Shaw Electric Company, was particularly recommended by the City of Battle Creek and visited the site to discuss project requirements. Unfortunately, following this initial meeting, Shaw Electric failed to answer several calls from PEI and on two occasions failed to meet commitments for on-site meetings. It became apparent that a more reliable electrical contractor would be required if the system was to start up without delays due to electrical installation, and Union Electric was selected.

Mr. Dick Hook, foreman for Union Electric, coordinated the design and installation of service into the dry well, and communicated with PEAS engineers to assure accurate installation of equipment specified in the electrical drawings.

Electrical installations required in the dry well included a 480V to 120V transformer, five pump starters, five level controllers, a high level alarm, and electric lights and switches. Union also installed two poles and a 225kVA transformer to provide service from the 8320V primary available in the well field.

## 2.5 STARTUP

The five-pump lift station and carbon treatment units were started up at about 3:00 p.m. on Friday, May 25. The startup was attended by several local officials and the media. It was necessary to erect a perimeter tape barrier around the wet well to avoid accidents due to the depth and the fact that grating had not yet been installed.

The first step toward starting up the system was to turn on the well field pumps to flush out the underground pipes. These pumps were started one at a time and the reservoir was allowed to fill and overflow for several minutes before shutting down the well field. The lift station pumps were not started. The reservoir was then drained using a large vacuum pump provided by the City, and the floor was cleaned of rust, mud, and stones that had been flushed from the pipes.

The well field pumps were then restarted and one of the lift station pumps was started to flush the air from the lines running to and from the carbon units. The carbon treatment units were then placed into service one at a time. A detailed description of the procedures used to start up and operate these units can be found in the system operating manual, which is included as Appendix B to this report.

Pump alignments were checked and adjusted during system startup by Kerr Machinery, a Kalamazoo, Michigan representative for Aurora Pumps.

At the time of system startup, the automatic level control system had not been installed. It was therefore necessary to leave the system with four of five well field pumps (1650 gpm) and three lift station pumps (1500 gpm) operating until these controls could be installed. This slight overflow condition continued until May 30, when the level controls were placed in service.

## 2.6 OPERATING PROBLEMS

During operation of the carbon treatment system, pressure drops across the adsorbers were observed to increase very slowly. After a period of several days this pressure drop would become great enough to reduce the flow of water through the adsorber to the extent that even with four dry well pumps operating, the four adsorbers could not handle the flow of water coming from the well field (nominally 1950 gpm but later measured at approximately 2050 gpm). At this point the overflow alarm would be triggered, and untreated water would overflow into the drainage system to the Battle Creek River. Backwashing<sup>1</sup> the system would reduce the pressured drop substantially; however, by the second week of June backwashing was required at least every 48 hours to prevent an overflow condition.

According to Calgon engineers, the primary reason for this problem was a high concentration of bicarbonate in the water, which caused tiny bubbles to form in the interstitial spaces of the top one to two feet of carbon. Other factors which undoubtedly contributed to the problem included trace amounts of silt building up on the carbon bed, and the high flow rate through each of the adsorbers, and the presence of iron-reducing bacteria.

Several alternative solutions were considered, including pretreatment of the water, retrofitting the pumps with larger impellers to increase head, installing a fifth adsorber, and simply backwashing the system on a daily basis. The pretreatment option was ruled out because no treatment method could be proposed that would not: 1) significantly reduce the life of the activated carbon, 2) leave the water more contaminated, or 3) significantly increase the pressure demand on the pumps. It was apparent that the carbon units were overloaded, and that the first effort to alleviate the problem should involve the installation of a fifth carbon vessel. This unit was started up on June 13. Pressures still experienced a gradual increase, and backwashes were still required, although less frequently.

At the request of the OSC, PEI hired Rick Goodman, an employee at the Verona pumping station, to backwash the carbon units every forty eight hours and to take weekly samples (see Section 2.7).

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<sup>1</sup> For a description of the backwashing procedures used on this system, refer to the operating manual included as Appendix B to this report.

The system continued to run smoothly with no other significant operational problems until early September, when the system began to require daily back-washing.

## 2.7 SAMPLING AND ANALYSIS

During the early planning phases of this project, PEI recommended that sampling and analysis be conducted daily to assure the quickest possible shutdown of the system if contamination beyond the allowable limits was detected in the effluent. To accomplish this, PEI proposed to put a chemist on site full time for the duration of the project. Further, PEI recommended that a small gas chromatograph be placed in the Verona pump station to allow for same-day analysis of all samples.

After evaluating several factors, including the lower-than-predicted level of contamination (typically 10 to 20 percent of design inlet), and the reliability of the carbon unit under these circumstances, it was determined that the effluent contamination would not be expected to increase significantly or approach the required limitations during the first few months of operation. The required effluent limitations are presented in Table 3. Based upon these expectations, weekly sampling was deemed adequate. An accelerated column test was requested by the OSC to confirm the predicted carbon life and to provide information regarding the nature of the contaminant breakthrough (i.e., which compounds will break through first, and how quickly will effluent contamination increase once breakthrough has begun). The report from Calgon summarizing the results of that test is included in Appendix C.

TABLE 3. EFFLUENT LIMITATIONS FOR VERONA WELL FIELD CARBON TREATMENT SYSTEM

Contaminant	Maximum concentration
Total volatile organic contaminants (VOC)	33 ug/l
1,1-dichloroethane	2 ug/l
1,2-dichloroethane	6 ug/l
1,1,1-trichloroethane	14 ug/l
Cis-1,2-dichloroethylene	2 ug/l
1,1-dichloroethylene	1 ug/l
Trichloroethylene	2 ug/l
Tetrachloroethylene	3 ug/l
1,2-dibromoethane	1 ug/l
pH	6.0 - 9.0

At this point PEI's laboratory agreed to provide analysis of the weekly samples by mass spectroscopy on a twenty-four hour turnaround basis. Under this agreement PEI would provide all sample bottles, shipping containers, overnight transportation costs, labels, and other paperwork, as well as analysis for seven volatile compounds for a price of one hundred dollars per sample (this figure was later adjusted to \$112 to allow for two additional analytical parameters requested by the OSC). During the course of this project a total of 150 VOA samples were analyzed by PEI. Figure 3 presents a typical analytical report as provided by PEI Associates' laboratory to the On-Scene Coordinator.

With regard to weekly sampling and operation of the treatment system, PEI proposed to provide one individual experienced in taking VOA samples, as well as in the operation of carbon treatment systems. However, the On-Scene Coordinator felt that a local person should be hired to handle this activity to reduce project costs. Mr. Rick Goodman, an employee at the Verona pump station, was recommended by the OSC and City engineer, Larry Osborne, and after issues were resolved regarding insurance liabilities and the reliability and qualifications of Mr. Goodman, PEI agreed to hire him, as a contract employee.

## 2.8 DEMOBILIZATION

On September 19 the flow of contaminated water was directed from the carbon adsorption system to the newly installed air stripper. A smooth transition from one treatment unit to the other had been planned in the design of the lift station and downstream piping, and the air stripper startup simply required that the carbon unit feed valve be closed and the air stripper line be opened.

At this time the carbon units were placed on standby and removal of the system was scheduled for October 15. This was later changed to October 22 due to the unavailability of equipment from Calgon to remove the system.

The On-Scene Coordinator directed that the carbon be disposed of through recycle/regeneration by Calgon. This service was provided for \$.12 per pound including transportation to their Pittsburgh, Pennsylvania regeneration facility. All piping downstream of the air stripper connection was dismantled, and following unsuccessful efforts to sell this material as used pipe, all used pipe and fittings were sold as scrap to Central Iron and Metal of Springfield, MI.



PEDCO ENVIRONMENTAL INC.  
 11499 CHESTER RD  
 CINCINNATI OHIO 45246  
 LABORATORY ANALYSIS REPORT

CLIENT: USEPA WASTE MANAGEMENT DIV.  
 230 SOUTH DEARBORN ST  
 CHICAGO, ILL 60604

PROJECT NO: 1008  
 REQUISITION: 5888  
 RECEIVED: 8/9/84

ATTENTION: MR DAN CAPLICE  
 ON-SITE COORDINATOR

DATE SAMPLED: 8/8/84  
 REPORTED: 8/10/84

MATRIX: VERONA WELL WATER

APPROVED: *K. J. Jess*

SAMPLE ID	108 BLANK DR618	107 INLET 1 DR617	102 A1 DR612	103 B1 DR613	104 C1 DR614
1,2-DICHLORO-ETHYLENE	ND	4.6	ND	2.1	ND
TRICHLOROETHYLENE	ND	1.6	ND	ND	ND
TETRACHLOROETHYLENE	ND	10.2	ND	ND	ND
1,1,1-TRICHLOROETHANE	ND	15.2	ND	5.3	1.2
1,2-DICHLOROETHANE	ND	ND	ND	ND	ND
1,1-DICHLOROETHANE	ND	10.4	1.3	3.7	1.3
1,1-DICHLOROETHYLENE	ND	1.2	ND	ND	ND
1,2-DIBROMOETHANE	ND	ND	ND	ND	ND
PH	6.4	6.4	6.6	6.4	6.7

SAMPLE ID:	105 D1 DR615	106 E1 DR616	DUPLICATE D2 DR616
1,2-DICHLOROETHYLENE	ND	ND	ND
TRICHLOROETHYLENE	ND	ND	ND
TETRACHLOROETHYLENE	ND	ND	ND
1,1,1-TRICHLOROETHANE	1.2	ND	1.1
1,2-DICHLOROETHANE	ND	ND	ND
1,1-DICHLOROETHANE	1.1	ND	1.1
1,1-DICHLOROETHYLENE	ND	ND	ND
1,2-DIBROMOETHANE	ND	ND	ND
PH	6.4	6.8	6.4

NO=NOT DETECTED(<1.UG/L)

Figure 3. Typical analytical report for analysis of VOA samples.

### 3.0 SELECTION OF VENDORS

#### 3.1 FIXED RATE LABOR, EQUIPMENT AND MATERIALS

In order to effectively complete the requirements of this delivery order, it was necessary for PEI to provide a wide variety of equipment items and labor from several skilled construction trades. To accomplish this utilizing the ERCS subcontracting team, it would have been necessary to mobilize equipment and personnel from over one hundred miles away. Further, the majority of the ERCS subcontractors have no experience in this specific type of construction. PEI therefore decided to negotiate with local contractors and to provide the required fixed-rate labor and equipment from these sources.

The following subcontractors were successfully negotiated with and provided labor and equipment through PEI to the Battle Creek project at fixed rates.

Hoffman Brothers, Inc.  
Murray Construction  
Hunter-Prell, Inc.  
Union Electric  
Calgon Carbon Corporation  
Schweitzer Crane Company  
Universal Crane Company  
PEAS, Inc.

All of the above contractors were hired on the recommendation of either the City of Battle Creek, or other contractors with whom the OSC and Response Manager negotiated. Only one contractor, Shaw Electric, had to be replaced by the Response Manager due to an apparent inability to meet project scheduling commitments.

In addition to labor and equipment, some of these subcontractors procured small quantities of materials incidental to their phase of the project. These typically included fuel, electrical fittings, lumber, hardware, etc. Procurement of these materials by subcontractors allowed PEI to take advantage of contractor discounts enjoyed by these companies with their regular suppliers.

## 3.2 REIMBURSABLE COST SUBCONTRACTORS

Due to the accelerated schedule of this delivery order, the requirement for competitive bidding was occasionally waived by the OSC in favor of subcontractor selection by other criteria considered more critical to the project. Company reputation, and rapid delivery of services were the principle factors in selecting these subcontractors. This section summarizes the rationale behind the OSC's selection (at PEI's recommendation) of two such subcontractors.

### 3.2.1 Jack Saye Poured Walls

Murray Construction Company was selected by PEI to provide the fixed-rate labor and equipment necessary to construct the concrete lift station. Contrary to what they had originally indicated, Murray did not have the equipment and materials necessary to place the steel form work for the walls of the structure. They had intended on subcontracting this activity to Jack Saye Poured Walls, Inc., a local wall forming contractor with whom they frequently worked.

It was necessary that wall forming begin immediately, and according to information available to the Response Manager and OSC, no other suitable wall forming contractor was available to meet project requirements. (Please note that the Response Manager and OSC relied in part on recommendations from City water works personnel and other contractors.) Foremen from three of the subcontractors on site recommended Saye as a fast working contractor who could be relied upon for quality work. Jack Saye arrived on site on May 16 and indicated that he would prefer to work for a fixed fee rather than time and materials. A job price of \$10,922.00 was provided by Mr. Saye to the Response Manager. Nonetheless, at the insistence of the response manager, Saye provided daily job tickets showing laborers names and hours worked by each. Fixed rates were discussed by Messrs. Saye and Hessling, and conversion of all costs to this format seemed reasonable. After two days of activities, some brief calculations by the OSC and response manager showed that converting all of Saye's charges to fixed rates would not appreciably lower the cost of forming, and on this basis the OSC directed that this activity would be handled as a reimbursable cost (cost-plus-three percent) subcontracted activity.

### 3.2.2 Drake Insulation

All of the piping, as designed, approved and installed in the wet well, is schedule 40 carbon steel. The original design for this system did not call for pipe insulation, although a heating system in the dry well was recommended. Condensation on the outside of the pipes, caused by low water temperature and high relative humidity, resulted in a continual stream of water dripping onto the pumps. It was decided that this could be prevented by insulating the pipes inside the wet well.

Hunter-Prell, the piping contractor for this project, recommended Drake Insulation as a reputable contractor in the Battle Creek area, and by agreement of the OSC and response manager, rates were proposed so that this work could be done under the fixed rate portion of the contract. Labor requirements were estimated at 3 days work for two men and materials were expected to run about one thousand dollars.

Upon review of the 1900-55's showing this activity, the OSC requested that the charges be handled as a reimbursable cost subcontracted item (cost-plus-three percent). This change was agreed to by PEI and appears on the 1900-55 form dated June 14, 1984.

### 3.3 REIMBURSABLE COST MATERIALS SUPPLIERS

In order to maintain the tight construction schedules for this delivery order, it was occasionally necessary to procure materials on the basis of availability or best delivery schedule, rather than through competitive pricing. This section briefly clarifies the rationale behind the selection of each of the major materials suppliers to this project.

The following vendors were selected through competitive bidding. These vendors provided either the lowest bid overall, or the lowest bid within the required delivery constraints. Inquiry summary sheets, used by PEI to document procurement competition, or other similar documentation can be found in Appendix D to this report.

Aurora Pumps (through Faber Pump)  
F. D. Lawrence Electric (supplier for Allen Bradley)  
Summit (through Photoswitch)  
Ballenger Pump (supplier for Wiel Pumps)  
VanTrans, Inc.

Galloup Pipe and Supply, Modern Transit, and Underground Pipe and Valve were all selected on the basis of ability to provide immediate and continuing service, proximity to the site, and in-stock availability of materials required. All three of these companies extended contractor discounts to PEI for this project, which were subsequently passed on to EPA. It should be noted that prices for steel, cast iron pipe, and concrete are fairly standard throughout the industry and availability/delivery schedules are the normal criteria for selecting vendors of these materials.

#### 4.0 COST SUMMARY

Costs associated with Verona Well Field Carbon Treatment project were closely tracked on the 1900-55 forms. All fixed rate labor, equipment, and materials are accurately quantified on these forms, although a few minor mathematical errors did occur in running out the daily costs. Similarly, all reimbursable costs for materials and subcontracts are accurately documented on the forms.

Table 3 presents the Cost Summary Report for this project, which details all costs claimed by PEI. All reimbursable costs included in this summary are supported by copies of receipts and invoices from manufacturers, suppliers or subcontractors. These supporting documents are included in Appendix E.

TABLE 4. COST SUMMARY REPORT

EPA CONTRACT NO. 68-01-6894  
 ASSIGNMENT NO. 6894-05-008 - YERONA WELL/BATTLE CREEK, MI  
 January 10, 1985

Labor	Hours worked		Rate		Extension	Total			
	Straight	Overtime	Straight	Overtime					
Response Manager	283.0	28.0	\$52.50	\$64.10	\$16,652.30				
Chemical Engineer (Level 2)	118.0	-	47.30	58.80	5,581.40				
Foreman (Level 3)	463.5	44.5	33.60	44.10	17,536.05				
Foreman (Level 2)	29.0	1.0	30.50	41.00	925.50				
Equipment Operator (Level 2)	219.5	19.5	27.80	37.80	6,839.20				
Equipment Operator (Level 1)	49.0	-	22.10	31.00	1,082.90				
Concrete Laborer (Skilled)	56.0	2.0	23.10	31.50	1,356.60				
Mason (Concrete Finisher)	24.0	1.0	31.50	42.00	798.00				
Pipesetter <sup>a</sup>	135.0	1.0	23.10	31.50	3,150.00				
Pipefitter <sup>a</sup>	257.0	160.0	31.50	42.00	14,815.50				
Welder (Level 2)	234.0	72.5	31.50	42.00	10,416.00				
Plumber <sup>a</sup>	16.0	-	31.50	42.00	504.00				
Iron Worker <sup>a</sup>	40.0	-	31.50	42.00	1,260.00				
Electrician (Level 2)	126.0	1.0	31.50	42.00	4,011.00				
Apprentice Electrician <sup>a</sup>	30.0	-	23.10	31.50	693.00				
Carpenter (Level 2)	148.0	3.0	23.10	31.50	3,513.30				
Mechanic (Level 2)	76.5	0.5	26.30	34.70	2,029.30				
Laborer (Level 1)	149.0	1.0	15.80	21.50	2,375.70				
Truck Driver (Level 1)	21.0	6.0	18.90	27.30	560.70				
Field Clerk/Typist (Level 1)	42.0	-	15.80	21.50	663.60	\$94,764.05			
<u>Travel and subsistence</u>									
						5,479.38			
						5,479.38			
<u>Mobilization</u>									
None									
<u>Demobilization</u>									
None									
Equipment	Time used				Rate				
	Hour	Day	Week	Month	Hour	Day	Week	Month	
Backhoe (Cat 225)	45	3			68.00	478.00	2150.00	6900.00	4,494.00
Backhoe (Case 580)	33	4			32.00	221.00	992.00	3100.00	1,940.00
Front-end ldr/wheel (1.5 yd)	20	7			47.00	331.00	1488.00	4700.00	3,257.00
Front-end ldr/wheel (3 yd)	18				47.00	331.00	1488.00	4700.00	846.00
Dump truck (10-20 yd, fix box)	12				30.00	240.00	960.00	2900.00	360.00
Pickup truck	6	3	1		9.00	58.00	231.00	735.00	459.00
Stake bed truck (2 ton)	14	13	1		16.00	80.00	440.00	1365.00	1,704.00
Stake bed truck (1 ton)		3	1		14.00	75.00	315.00	950.00	540.00
Passenger sedan		7			7.00	51.00	232.00	695.00	357.00
Elec. submersible pump (2 in)		2	2		10.00	55.00	220.00	685.00	550.00
Trash pump (2 in)	5.5	1			16.00	80.00	315.00	945.00	168.00
Air compressor capab.	8	3			16.00	95.00	375.00	1165.00	603.00
Hand tools		37	11		-	11.00	42.00	126.00	869.00
Drill rigs		1			-	446.00	2008.00	6024.00	446.00
Carbon filter (20,000 lb) <sup>a</sup>			25(1558)	19	-	-	1175.00	3525.00	85,775.00
Turf tractor <sup>a</sup>	8				21.00	-	-	-	168.00
Crane (15-ton) <sup>a</sup>	21				50.00	-	-	-	1,050.00
Crane (25-ton) <sup>a</sup>	11				60.00	-	-	-	660.00
Crane (50-ton) <sup>a</sup>	22.5				85.00	-	-	-	1,912.50
Cutting torch	3.5	13			8.00	50.00	-	-	636.00
Portable welder <sup>a</sup>	7	9	3		14.00	90.00	440.00	-	2,228.00
Onzer, D-4 (Caterpillar) <sup>a</sup>	16	1			40.00	295.00	-	-	935.00
Equipment truck	8.5	11			14.00	90.00	440.00	-	958.00
Transit/level <sup>a</sup>		6			-	35.00	-	-	210.00
Lift truck (30') <sup>a</sup>	8	2			45.00	300.00	-	-	960.00
Lift truck (50') <sup>a</sup>	14	1			50.00	330.00	-	-	1,030.00
Concrete bucket (1 yd) <sup>a</sup>		2			-	35.00	-	-	70.00
Concrete vibrator <sup>a</sup>		4			-	30.00	-	-	120.00
Band saw <sup>a</sup>		2			-	20.00	-	-	40.00
Grooving machine <sup>a</sup>		5			-	45.00	200.00	-	225.00
Ladders		14	3		-	5.00	20.00	-	130.00
Side grinder <sup>a</sup>			2		-	11.00	42.00	-	84.00
Heat torch <sup>a</sup>	2				8.00	-	-	-	16.00
Welding stands <sup>a</sup>		8	3		-	15.00	60.00	-	300.00
Power threader <sup>a</sup>	1	2			-	20.00	-	-	44.00
									114,144.50

<sup>a</sup> Non-contract item.  
 (continued)

TABLE 4 (continued)

EPA CONTRACT NO. 68-01-6894  
 ASSIGNMENT NO. 6894-05-008 - VERONA WELL/BATTLE CREEK, MI  
 January 10, 1985

<u>Mileage</u>	<u>No. of miles</u>		<u>Extension</u>	<u>Total</u>
Passenger sedan	2240 @ 5.16/mile		\$ 358.40	\$ 358.40
<u>Materials - fixed rate</u>	<u>Quantity</u>	<u>Rate</u>		
Activated carbon	100,000 lb	\$1.075/lb	107,500.00	107,500.00
<u>Materials - reimbursable</u>				
Alro Steel			52.79	
			99.46	
			34.17	
Aurora Pump (Faber Pump & Equipment)			7,217.60	
Clark Oil			10.60	
			18.25	
Corlett Lumber			636.37	
F&A Fabricating			748.00	
F. D. Lawrence Electric			77.85	
			12.50	
			4,001.05	
Gallcup Pipe & Supply			227.55	
			7,870.97	
			485.96	
			584.71	
			135.78	
			2,474.63	
			4,054.61	
			283.74	
			80.48	
			1,324.06	
			536.57	
			271.54	
			199.93	
			431.85	
			90.42	
			1,269.60	
			133.04	
			84.08	
			1,575.60	
			283.90	
			214.34	
			116.11	
			2,522.21	
			479.70	
			807.30	
			315.28	
			95.58	
			168.64	
			17.95	
			327.53	
			1,549.88	
			681.45	
			-159.21	
			-267.38	
			-513.12	
			325.31	
			-835.17	
			-1,771.76	
G. W. Northrop, Inc.			100.00	
Hausman Steel			974.56	
			390.00	
Hoffman Brothers			2,005.62	
			112.53	
Hunter-Prell			2,449.95	
			117.87	
			9.43	
			507.78	
			4.91	
			300.77	
			44.26	
			12.67	
J. H. Ballenger Co.			333.71	
Kalamazoo Foundry			294.30	

(continued)



TABLE 4 (continued)

EPA CONTRACT NO. 68-01-6894  
 ASSIGNMENT NO. 6894-05-008 - VERONA WELL/BATTLE CREEK, MI  
 January 10, 1985

<u>Materials - reimbursable (continued)</u>		<u>Extension</u>	<u>Total</u>		
Kendall Electric		\$ 678.70	\$		
		1,393.80			
		97.16			
Kendall Industrial Supplies		229.75			
		5.10			
Modern Transit Mfx		1,575.29			
		2,548.10			
		75.40			
		358.02			
Murray Construction		650.25			
Neenah Foundry		462.91			
Northern Concrete Pipe, Inc.		934.86			
		853.37			
PEDCo		6.08			
Everson Steel		1,064.29			
Summit		1,519.88			
		1,136.16			
		396.44			
		44.90			
Underground Pipe & Supply		2,501.20			
		17,399.62			
Union Electric		664.18			
		107.58			
		3,656.41			
Van-Trans		4,986.00	90,731.11		
<u>Transportation</u>					
Airborne	Drawings to Michigan Department of Natural Resources	14.00			
	Drawings to U.S. EPA/Chicago	9.00			
Air Couriers	Wired money	2,906.25			
Air Wisconsin	Ref. 1200185	9.68			
Emery	Air transportation - pumps	73.14			
	Air transportation - probes	79.00	3,091.07		
<u>Disposal</u>					
None					
<u>Analysis</u>					
	<u>Date</u>	<u>Quantity</u>	<u>Analysis</u>	<u>\$/sample</u>	
PEI Laboratory	6/4/84-10/17/84	150	VOA	112.00	16,800.00
	6/15/84	1	Flash point	30.00	30.00
	7/5/84	4	Solvents	67.50	250.00
					17,080.00
<u>Subcontracts</u>					
	<u>Description of service</u>				
Calgon	Accelerated column test			4,160.00	
	Removal/regeneration of spent carbon 40,000# @ \$.12			4,800.00	
	Removal/regeneration of spent carbon 40,000# @ \$.12			4,800.00	
	Removal/regeneration of spent carbon 20,000# @ \$.12			2,400.00	
Central Iron & Metal Co.	Salvage of pipe 14,540# @ \$.25/ton			-181.75	
Clark Construction	Installation of transformer			312.00	
Consumers Power Co.	Rental of transformer 5/11-6/11/84			120.00	
	Rental of transformer 6/11-7/11/84			124.80	
	Rental of transformer 7/11-8/7/84			124.80	
Drake Insulation	Labor			960.00	
	Materials			1,263.02	
Jack Saye	Wall forms			10,927.00	
William H. Kelly Co.	Waterproofing			1,620.00	
				180.00	31,604.87
<u>Handling charge (3%)</u>					
	<u>Amount</u>				
Materials - reimbursable	\$90,731.11			2,721.93	
Transportation	3,091.07			92.73	
Analysis	17,080.00			N/A	
Subcontracts	31,604.87			948.15	3,762.81
				<u>GRAND TOTAL</u>	<u>\$468,516.19</u>