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

LIST OF APPENDICES

VOLUME I of IV APPENDIX A - Action Memo APPENDIX B - Authorizaton For Time Period Extension APPENDIX C - PRP Notification Documentation APPENDIX D - Delivery Order and Modifications APPENDIX E - TDD for TAT APPENDIX F - Progress Reports APPENDIX G - CERCLA Daily Summary Reports APPENDIX H - Daily Work Orders - Personnel Logs APPENDIX I APPENDIX J - Equipment Logs APPENDIX K - Chronology of Events VOLUME II of IV APPENDIX L - 1900-55 Forms and Summary APPENDIX M - Incident Obligation Log APPENDIX N - Certified Contractor Invoices APPENDIX 0 - EPA Cost Documentation APPENDIX P - TAT Cost Summary APPENDIX Q - ERCS Contractor's Final Project Report VOLUME III of IV APPENDIX R - Photographs APPENDIX S - Analytical Data and Chain of Custody Forms APPENDIX T - Carbon Vessel Pressure Readings APPENDIX U - Site Safety Plan APPENDIX V - Community Relations Plan APPENDIX W - Correspondence and Conversation Documentation **VOLUME IV of IV** APPENDIX X - Newspaper Clippings and Press Releases APPENDIX Y - Focused Feasibility Study and IRM Record of Decision APPENDIX Z - Accelerated Column Test and Interpretation APPENDIX AA - Plans, Specifications, and Operation and Maintenance Manuals APPENDIX BB - River Discharge Criteria APPENDIX CC - Contractor's Cost Comparison Documentation APPENDIX DD - TAT Report on Thomas Solvents Cleanup (April 23, 1984)

APPENDIX L

 $\underline{1900\text{-}55} \hspace{0.1cm} \underline{\textbf{Forms}} \hspace{0.1cm} \underline{\textbf{and}} \hspace{0.1cm} \underline{\textbf{Summary}}$

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TABLE 4. COST SUMMARY REPORT

EPA CONTRACT NO. 68-01-6694 ASSIGNMENT NO. 6894-05-008 - VERONA WELL/BATTLE CREEK, MI January 10, 1985

	Hours	worked	Ra	te		
labor	Straight	aight Overtime Straight Overtime Extension		Extension	Total	
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 (Congrete Finisher)	24,0	1,0	31.50	42.00	798.00	
Pipesetter	135,0	1.0	23.10	31.50	3,150.00	
Pipefitter ^a	257.0	160.0	31,50	42.00	14,815,50	
Welder (Level 2)	234.0	72.5		42.00	10,416,00	
Plumber	16.0	•	31,50	42.00	504.00	
Iron Worker ^a	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 ^a	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	34.7C	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	
	42.0		15.80	21.50	663,60	\$94,764.0

<u>Mobilization</u>

None

<u>Demobilization</u>

None		Time	used			1	Rate			
quipment	Hour	Day	Week	Month	Hour	Day	Week	Month		
Backhoe (Cat 225)	45	3			58,00	478.00	2150.00	6900.00	4,494,00	
Backhoe (Case 580)	33	4			32.00		992.00		1.940.00	
Front-end ldr/wheel (1.5 yd)	2.7	7			47.00		1488.00		3,257.00	
Front-end 1dr/wheel (3 yd)	18	•			47,00		1488.00		846.00	
Dump truck (10-20 yd, fix bo					30.00		960.00		350,00	
Pickup truck	6	3	1		9.00	58,00		735,00	459.00	
Stake bed truck (2 ton)	14	13	ī		16.00	80.00		1365,00	1.704.00	
Stake bed truck (1 ton)	•	3	ī		14.00	75.00			540,00	
Passenger sedan		7	-		7,00	51,00			357.00	
Elec. submersible pump (2 in	1)	Ž	2		10.00	55.00			\$50,00	
Tresh pump (2 in)	5.5	1	-		16.00	80,00		945,00	168.00	
Air compressor capab.	8	Š			16.00	95.00		1165.00	603.00	
Hand tools	_	37	11			11.00		126.00	869.00	
Drill rigs		1			-	445,CC		6024.00	446.00	
Carbon filter (20,000 lb)		_	25(155	81 19		-		3525.00	85,775,00	
Turf tractor	8		,	-,	21.00	•	•	•	168,00	
Crane (15-ton) ^a	21				50,00	-	-	_	1,050,00	
Crane (25-ton)	īĭ				60,00	-	-		660,00	
Crane (50-ton) ^a	22.5				85.00	-	-	-	1,912.50	
Cutting torch	3.5	13			8.00	50.00	-	•	636.00	
Portable welder ^a	7.7	• 9	3		14.00	90.00		-	2,228.00	
Dozer, D-4 (Caterpillar)	16	í	•		40.00	295.00		-	935.00	
Equipment truck	٤.5	11			14.00	90.00		-	958,00	
Transit/level	0.5	^ 6				35,00		_	210.00	
Lift truck (30')	8	2			45.00	300.00			960,00	
Lift truck (50')	14	ī			50.00	330,00		-	1.030.00	
Concrete bucket () yd)*	•	į				35,00		•	70.00	
Concrete wibrator		Ā				30.00		•	120.00	
Concrete vibrator" Band saw		•			•	20.00		_	40.00	
Grooving machine		i			_	45.00		•	225.00	
Ladders		14	3			_ 5.00			130.00	
Side grinder ^a			ž		_	11.00		_	84.00	
Heat torch	2		•		8.00	-	42.00	•	16.00	
	•	8	3		0.00	15.00		•	300.00	
Welding stands"	•	2	3		•	20.00		-		214 144
Power threader	1	~			-	20,00	-	•	44.00	114,144

Mon-contract item.

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TABLE 4 (continued)

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

fileage	No. of miles		Extension		Total
Passenger sedan	2240 @ 5.16/mile		S 35P.40	\$	358.40
laterials - fixed rate	Quantity	<u>Rate</u>			
Activated carbon .	100,000 16	\$1.075/16	107,500.00	10	7,500.00
Materials - reimbursable					
Alro Steel			52.79 99.46		
Aumana Duma /Esham Duma \$	Fourtament \		34.17 7.217.60		
Aurora Pump (Faber Pump & Clark Oil	Equipment)		10.60		
Coriett Lumber			18.25 636.37		
F&A Fabricating F. D. Lawrence Electric			748.00 77.85		
			12.50 4,001.05		
Galloup Pipe & Supply			227.55 7,870.97		
			485.96		
			584 .71 135.78		
			2,474.63 4,054.61	į.	
			283,74	-	
			80. 48 1,324.06		
			53 6.57 271. 54		
			199.93 431.85		
			90.42		
			1,269.F0 133.04		
			84.08 1,575.60		
			283.90 214.34		
			116.11		
			2,522.21 479.70		
			807.30 315.28		
			9 5.58		
			168.64 17.95		
			327.53 1,549.88		
	_	•	681.45 -159.21		
			-267.38		
			-5 13.12 32 5.31		
			-835.17 -1,271.76		
G. W. Northrop, Inc. Hausman Steel			100.00 924.56		
Moffman Brothers			390,00 2,005.62		
			112.53		
Henter-Pre11			2,449.95 117.87		
		•	9,43 5 07,78		4
			4.91 300.77		
		-	44.26		
J. H. Ballenger Co.			12.67 333.71		
Kalamazoo Foundry			294.30		

TABLE 4 (continued)

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

<u>laterials - reimbursable (con</u>	tinued)				Extension	Total
Kendall Electric					\$ 628.70 1,393.80 97.16	\$
Kendall Industrial Supplies					229.75	
Modern Transit MTx					5.10 1,575.29	
•					2,548.10 75.40	
Murray Construction					358.02 650.25	
Neenah Foundry					462.91	
Northern Concrete Pipe, Inc.					934 .86 85 3.37	
PEDCo Ryerson Steel					6.08 1 . 064.29	
Summit					1,519.88 1,136.16	
					396,44 44,90	
Underground Pipe & Supply					2.501.20	
Union Electric					17,399,62 664,18	
					102.58 3.6 56.41	
Van-Trans					4,986.00	\$0,731.1
<u>ransportation</u>						
Airborne	Drawings to Michi			Resources	14.00	
Air Couriers	Drawings to U.S. Wired money	EPA/Chic	a ço		9,00 2 .9 06,25	
Air Wisconsin Emery	Ref. 1200185 Air transportation	n - nimen	e		9.68 73.14	
	Air transportation				79.00	3,091.0
risposa 1						
None						
malysis	Date	Quantity	Analysis	\$/sample		
PEI Laboratory	6/4/84-10/17/84 6/15/84 7/5/84	150 1 4	VOA Flash point Solvents	112.00 30.00 €7.50	16,800,00 30,00 250,00	17,080.00
	6/15/84	1 4	Flash point Solvents	30,00	30.00	17,080,D
ubcontracts	6/15/84 7/5/84	of servi	Flash point Solvents	30,00	30.00	17,080,0
PEI Laboratory Subcontracts Calgon	5/15/84 7/5/84 Description Accelerated column Removal/regenerate	of servi	Flash point Solvents ce	30.00 €7.50	30.00 250.00 4,160.00 4,800.00	17,080,DI
Subcontracts Calgon	Description Accelerated column Removal/regenerat Removal/regenerat Removal/regenerat	of servi	Flash point Solvents ce pent carbon 40,0 pent carbon 40,0 pent carbon 20.0	30.00 £7.50 00# @ \$.12 00# @ \$.12	30.00 250.00 4,160.00 4,800.00 4,800.00 2,400.00	17,0 8 0. Di
Subcontracts	Description Accelerated column Removal/regenerat Removal/regenerat Removal/regenerat Removal/regenerat Salvage of pipe	of servi m test tion of s tion of s tion of s	Flash point Solvents ce pent carbon 40,0 pent carbon 40,0 pent carbon 20,0 \$25/ton	30.00 £7.50 00# @ \$.12 00# @ \$.12	30.00 250.00 4,160.00 4,800.00 4,800.00	17,0 8 0,0
Subcontracts Calgon Central Iron & Metal Co.	Description Accelerated column Removal/regenerat Removal/regenerat Removal/regenerat Salvage of pipe Installation of the Rental of transfer	of servi m test tion of s	Flash point Solvents ce pent carbon 40,0 pent carbon 20,0 pent carbon 20,0 \$25/ton er 1-6/11/84	30.00 £7.50 00# @ \$.12 00# @ \$.12	30.00 250.00 4.160.00 4.800.00 4.800.00 2.400.00 -181.75 312.00 120.00	17,0 8 0.0
Central Iron & Metal Co. Clark Construction Consumers Power Co.	Description Accelerated column Removal/regenerat Removal/regenerat Removal/regenerat Salvage of pipe Installation of transformatal of transformental of tra	of servi in test tion of s tion of s tion of s 14,540# 0 transform ormer 5/1	Flash point Solvents ce pent carbon 40,0 pent carbon 20,0 pent carbon 20,0 \$25/ton er 1-6/11/84 1-7/11/84	30.00 £7.50 00# @ \$.12 00# @ \$.12	30.00 250.00 4.160.00 4.800.00 4.800.00 2,400.00 -181.75 312.00 120.00 124.60 124.80	
Calgon Central Iron & Metal Co. Clark Construction Consumers Power Co. Drake Insulation	Description Accelerated column Removal/regenerat Removal/regenerat Removal/regenerat Salvage of pipe Installation of transformatal of transformatal of transformatal of transformatal of transformatal of transformaterials	of servi in test tion of s tion of s tion of s 14,540# 0 transform ormer 5/1	Flash point Solvents ce pent carbon 40,0 pent carbon 20,0 pent carbon 20,0 \$25/ton er 1-6/11/84 1-7/11/84	30.00 £7.50 00# @ \$.12 00# @ \$.12	30.00 250.00 4.160.00 4.800.00 4.800.00 2,400.00 -181.75 312.00 120.00 124.E0 124.E0 124.E0 124.E0 124.E0	17,080.D
Central Iron & Metal Co. Clark Construction Consumers Power Co.	Description Accelerated column Removal/regenerat Removal/regenerat Salvage of pipe Installation of transformental of tr	of servi in test tion of s tion of s tion of s 14,540# 0 transform ormer 5/1	Flash point Solvents ce pent carbon 40,0 pent carbon 20,0 pent carbon 20,0 \$25/ton er 1-6/11/84 1-7/11/84	30.00 £7.50 00# @ \$.12 00# @ \$.12	30.00 250.00 4,160.00 4,800.00 2,400.00 -181.75 312.00 120.00 124.80 960.00	
Calgon Central Iron & Metal Co. Clark Construction Consumers Power Co. Drake Insulation Jack Saye	Description Accelerated column Removal/regenerate Removal/regenerate Salvage of pipe Installation of transformatal of transformatal of transformatal of transformatal of transformatal forms	of servi in test tion of s tion of s tion of s 14,540# 0 transform ormer 5/1	Flash point Solvents ce pent carbon 40,0 pent carbon 20,0 pent carbon 20,0 \$25/ton er 1-6/11/84 1-7/11/84	30.00 £7.50 00# @ \$.12 00# @ \$.12	30.00 250.00 4.160.00 4.800.00 4.800.00 -181.75 312.00 120.00 124.60 124.80 960.00 1.263.02 10.922.00	
Central Iron & Metal Co. Clark Construction Consumers Power Co. Drake Insulation Jack Saye Milliam H. Kelly Co.	Description Accelerated column Removal/regenerate Removal/regenerate Salvage of pipe Installation of transformatal of transformatal of transformatal of transformatal of transformatal forms	of servi in test tion of s tion of s tion of s 14,540# 0 transform ormer 5/1	Flash point Solvents ce pent carbon 40,0 pent carbon 20,0 \$25/ton er 1-6/11/84 1-7/11/84	30.00 £7.50 00# @ \$.12 00# @ \$.12	30.00 250.00 4.160.00 4.800.00 4.800.00 2.400.00 -181.75 312.00 120.00 124.80 124.80 960.00 1.263.02 10.927.00 1.620.00	
Central Iron & Metal Co. Clark Construction Consumers Power Co. Drake Insulation Jack Saye William H. Kelly Co. Handling charge (3%) Materials - reimbursable	Description Accelerated column Removal/regenerate Removal/regenerate Removal/regenerate Removal/regenerate Removal/regenerate Salvage of pipe Installation of transferental of transferental of transferental of transferental forms Waterproofing Amount \$90.731.1	of servi m test ion of s ition of s ition of s ition of s id.540# @ iransform ormer 5/1 ormer 7/1	Flash point Solvents ce pent carbon 40,0 pent carbon 20,0 pent carbon 20,0 \$25/ton er 1-6/11/84 1-7/11/84	30.00 £7.50 00# @ \$.12 00# @ \$.12	30.00 250.00 4.160.00 4.800.00 4.800.00 2.400.00 -181.75 312.00 124.60 124.60 124.60 124.60 124.60 125.02 10.922.00 1.620.00 180.00	
Central Iron & Metal Co. Clark Construction Consumers Power Co. Drake Insulation Jack Saye Milliam H. Kelly Co. Mandling charge (3%)	Description Accelerated column Removal/regenerate Removal/regenerate Removal/regenerate Removal/regenerate Removal/regenerate Salvage of pipe Installation of transferental of transferental of transferental of transferental forms Waterials Wall forms Waterproofing Amount	of servi m test ion of s ition o	Flash point Solvents ce pent carbon 40,0 pent carbon 20,0 \$25/ton er 1-6/11/84 1-7/11/84	30.00 £7.50 00# @ \$.12 00# @ \$.12	30.00 250.00 4,160.00 4,800.00 2,400.00 -181.75 312.00 120.00 124.80 960.00 1,263.02 10,927.00 1,620.00 180.00	31,604.8
Central Iron & Metal Co. Clark Construction Consumers Power Co. Drake Insulation Jack Saye Milliam H. Kelly Co. Mandling charge (3%) Materials - reimbursable Transportation	Description Accelerated column Removal/regenerat Removal/regenerat Removal/regenerat Removal/regenerat Removal/regenerat Removal/regenerat Salvage of pipe Installation of in Rental of transformatal of transformatal of transformaterials Wall forms Waterproofing Amount \$90,731.11 3,091.01	of servi m test ion of s ition of	Flash point Solvents ce pent carbon 40,0 pent carbon 20,0 \$25/ton er 1-6/11/84 1-7/11/84	30.00 £7.50 00# @ \$.12 00# @ \$.12	30.00 250.00 4.160.00 4.800.00 4.800.00 2.400.00 -181.75 312.00 120.00 124.80 960.00 1.263.02 10.922.00 1.620.00 1.80.00	

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 Side grinders (two)	20.00 18.00	45.00 0.00	25.00 (18.00)
05/23/84	Addition error in equipment Wrong labor total used for final	1407.00 3104.75	687.00 3514.25	(720,00) 409,50
05/24/84	Addition error in equipment Fuel (Clark Oil) Handling charge adjustment	11623.80 18.85	11683.80 28.85	60.00 10.00 .30
05/25/84	Foreman Level 2 - wrong rate Laborer - wrong rate	201.60 126.40	183.00 94.80	(18.60) (31.60)
05/29/84	Addition error in equipment	85.00	86.00	1,00
06/01/84	Pump starters, etc. (Lawrence Elec) Handling charge adjustment	4067.00	4091.40	24.40 .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	Fue!	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

0	20,000-1b carbon units	\$3525/mo
•	Turf tractor	21/hr
0	15-ton crane	50/hr
•	50-ton crane	85/hr
•	Cutting torch	8/hr 50/day
0	Portable welder	14/hr 90/day 440/wk
c	Dozer	40/hr
0	Equipment truck	14/hr 75/day
•	Transit / level	35/day
0	30' lift truck	45/hr 300/day
•	50' lift truck	50/hr 330/ day
٥	Concrete bucket (1 yd)	35/day
•	Concrete vibrator	30/day
0	Welding stands	15/day 60/wk
0	Band saw	20/day
•	Grooving machine	45/day 200/wk
٥	Power threader	20/day
0	Ladders	5/day 20/wk
0	Side grinders	11/day 42/wk
•	Heat torch	8/hr

<u>Personnel</u>

•	Pipesetter	23.10/hr
0	Pipefitters	31.50/hr
0	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
Rick Goodman
Brandt Gunker
Mike Hessling
Dave Hildebrandt
James Kurtz
Valerie North
Pam Paul
Ray Roesner
Vickie Singer
Joe Stockwell
Bud Wahl
John Wyman

Engineer
Laborer
Engineer
Response Manager
Engineer
Engineer
Field Clerk Typist
Clerk/Typist
Engineer

ì

Field Clerk Typist Engineer Engineer

Engineer

Calgon Carbon

Gerald Bates
Frank Bazzano
Joe Cupac
Leo Dietz
D. Hallard
Bill & Mary Lou Hill
Vic Pershina
Ward Rogers
Charles Shaffer
Joe Smithosky
W. Watkers

Truck Driver
Pipefitter
Foreman
Truck Driver
Truck Driver
Truck Driver
Mechanic
Engineer
Truck Driver
Mechanic
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

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

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

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

Schweitzer Crane

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

Union Electric

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

Universal Crane

Bud Bennett D. Wilber (W. Webster) Laborer/Concrete Laborer Iron Worker/Concrete Finisher Carpenter/Concrete Finisher Foreman Carpenter Carpenter/Iron Worker

Eq. Operator Mechanic Truck Driver

Electrician
Electrician
Foreman
Eq. Operator
Apprentice Electrician
Electrician

Eq. Operator Mechanic

Form Ap	proved	
OMB No.	2000-0	28
Approve	expires	<i>x</i> . <i>x</i> .

/ US ENVIA	US ENVIRONMENTAL PROTECTION AGENCY					CONTRACTOR CONTRACT NUMBER				EA
	JS SUBSTANCE RESPONSE FUN	D			1	1				
con	TRACTOR COST REPORT				ASSIGNMENT NUMBER				68.01-6891	
CONTRA	ACTOR PERSONNEL REPORT					OS -			DATE	23,1484
			 	,	<u></u>	03 -			MINITE	2 3, 1-,84
•		3. HOURL	Y LABOR	4. H	OURS LOYED	5.	6. TO	OTAL URS	}	1
		<u> </u>		 -		4	 		7. TRAVEL AND SUBSISTENCE COSTS	8. TOTAL PERSONNEL COSTS
1. EMPLOYEES ASSIGNED	2. WORK CLASSIFICATION	REGULAR	OVERTIME	FROM	TO	BREAK TIME	REGU-	OVER-	COSTS	COSTS
		 		 	 	 		1	<u> </u>	
. 64 11				ľ			-		1355.00	775 0
171. ITESSLING	PRESPONSE MOR.	52.50		രായ	1700	1:00	8.	1		1
ļ		,			700	1:00	8	ļ	30.00	408.40
M. HESSLING W. ROGERS	ENGINEER (CALGOL)	47.30		10300	1700	7.00	٥		30.00	
W. TYOGERS	ENGINEER	\ ` -		1	1	}	<u> </u>	1	1	
	(CALGON)	1]		l l	Į	į	1
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	NOT BILLED					j		TOTAL D	ERSONNEL COSTS	1102 45

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CONTRACTOR OWNER FOR					CONTRACTOR FEED & PRIMITED TOMENTES !	CONTRACT NUMB	6579
CONTRACTOR—OWNED EQUI	PMENT/MATERIA	ALS REPORT	·		ASSIGNMENT NUMBER	DATE	25,1984
9. EQUIPMENT USED	10. HOURS USED	11. COST PER HOUR	12. TOTAL HOURS	13. TOTAL COST	15. MATERIALS USED	18, QUANTITY	17. TOTAL COST
NONE					NONE		
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14. TOTAL EQUIPMENT COSTS			s — O	-	18. TOTAL MATERIAL COSTS	• — C	> —

SII	BCONTRACTOR REPORT		PEDISO Environmental	CONTRACT NUMBER
			ASSIGNMENT NUMBER	Arma 25 1930
19. SUBCONTRACTOR NAME	20. WORK DESCRIPTION	21.SUBCONTRAC		
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				1183.40
			24. CONTRACT CEILING AMOUNT	\$500,000.00
			25, TOTAL ESTIMATED CONTRACT COST	1105.10
2. TOTAL SUBCONTRACT COSTS		0-	26. TOTAL ESTIMATED COSTS TO COMP	ETE CONTRACT \$1816.60
certify that this report is a true and complete recorubcontractors which I ordered and authorized from ontract.	d of the labor, supervision, travel, equipment, me the contractor in the performance of the above-	aterials, and cited	I certify that this report is a true and complet equipment, materials, and subcontractors pro ance of the above-cited contract.	e record of the labor, supervision, travel,
ignature of OSC Representative	Time Arrived on Scene 5/10/54 11:00	Time Departed	Signature of Contrector's Authorized Alpress	mailro Date 1/10/84
PA Form /900-55 (1-82)	71957	Or Co	riginf On-Scene Coordinator ppy 1 Contractor ppy 2 Procurement	Pagu 3 of 4

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HAZAR	VIRONMENTAL PROTECTION AGENCY DOUS SUBSTANCE RESPONSE FUNI CONTRACTOR COST REPORT TRACTOR PERSONNEL REPORT	D			ASSIGNM	ENT NUM	AFR			
00/1	THACTOR PERSONNEL REPORT	3. HOUR	RLY LABOR 4. HOURS		OURS	5.	6. T	OTAL URS	APAL Z	1, 1434
1. EMPLOYEES ASSIGNED	2. WORK CLASSIFICATION	J	OVERTIME	FROM		BREAK TIME	REGU	т——	7. TRAVEL AND SUBSISTENCE COSTS	8. TOTAL PERSONNEL COSTS
ED DAVIDS	FOREMAN LYL 3	3340	44.10	1000	1730	.30	6	1		245.70
JACK VINSON	EONIPHENT OF LVLZ	27. 80	37.30	1000	1730	.30	L	1	<u> </u> 	204.60
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						 i		TOTAL P	ERSONNEL COSTS	450.30

SEQUIPMENT USED 10. HOURS USE FROM TO BACK HOLL CASE SEO LOUIVALEAT	D 11. 12. COST TOTAL PER HOUR		ASSIGNMENT NUMBER ルジイゴー ひち _ ひ のご 15. MATERIALS USED	AFIRIL 16. QUANTITY	27 1434 17. TOTAL COST
9. EQUIPMENT USED FROM TO	COST TOTAL PER HOUR	TOTAL COST	15. MATERIALS USED	16. QUANTITY	TOTAL
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			CONTRACTOR	CONTRACT NUMBE					
sui	BCONTRACTOR REPORT		ASSIGNMENT NUMBER	(3.01-1,8.4					
			1:374 - 05 - 003	DATE APRIL 27, 1934					
		21. SUBCONTRACT 23. REMARKS							
19. SUBCONTRACTOR NAME	20. WORK DESCRIPTION	AMOUNT							
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·			24, CONTRACT CEILING AMOUNT	\$300 000 ct					
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			25. TOTAL ESTIMATED CONTRACT COST	15 TO DATE \$1854. 7					
22. TOTAL SUBCONTRACT COSTS		•-0-	26. TOTAL ESTIMATED COSTS TO COMPI	LETE CONTRACT \$ 51 4 5 30					
I certify that this report is a true and complete record subcontractors which I ordered and authorized from contract.	f of the labor, supervision, travel, equipment, matthe contractor in the performance of the above-c	ited	certify that this report is a true and complet equipment, materials, and subcontractors pro ance of the above-cited contract.						
Signature of OSC Representative	Time Arrived on Scene		Signature of Contractor's Authorized Represe	ntative Date					
Millerlier 5/10	0/8// 10:300	17:00	Sichof Sost	4 /19/84					
EPA Form 1900-55 (1-82)		Cop	Inal — On-Scene Coordinator / C y 1 — Contractor y 2 — Procurement	Page 3 of 4					

Form Approved	
OMB Approval No. 200	1) 3
Expiration Date 6:10-8.	7

HAZARDO	US ENVIRONMENTAL PROTECTION AGENCY HAZARDOUS SUBSTANCE RESPONSE FUND CONTRACTOR COST REPORT							icatal		
	ACTOR PERSONNEL REPORT				ASSIGNM	ENT NUM		ఆర్థ	MAY 3,	1984
		3. HOURLY LABOR 4.		4, H EMPI	OURS OYED	5.	6, TO	TAL JAS	7 TRAVEL AND	
1. EMPLOYEES ASSIGNED	2. WORK CLASSIFICATION	REGULAR	OVERTIME	FROM	70	BREAK	REGU-	OVER- TIME	7. TRAVEL AND SUBSISTENCE COSTS	8. TOTAL PERSONNEL COSTS
MINE HESSLING	PESPUNEE MOR	٥٤:٤٥	14.10	3:30	17:00	:30	8		40.00	480.00
Harold Forkner	EQUIPMENT OP, LVEZ	27:80	37:80	7:30	16:30	:30	15/2			180.70
Mine HESSLING Harold Forkner Dewey Waterman	EQUIPMENT OD LAZ	27:80	37:80	,4:3c	10:30	:30	Z			55.40
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CONTRACTOR—OWNED EQUI	IPMENT/	MATERIA	ALS REPORT	· · · · · · · · · · · · · · · · · · ·	- O	CONTRACTOR TEDES ENVISORMENTAL ASSIGNMENT NUMBER	DATE		
9. EQUIPMENT USED	10. HOL	JRS USED	11, COST PER HOUR	12. TOTAL HOURS	13. TOTAL COST	15. MATERIALS USED	MAY 3	17. TOTAL COST	
BACKHUZ CASE 580 EONNALEAT	0930	1650		U/2	203.00	Ductile Iron Pipe		B.11 Liter	
LOADER, WHEEL, 1.5 yel	1430	1630	47.0U	2	94.00				
Passenger Seilan (mibilization)	0000	1630	sifelay Oulmi	10/2 280.m	51.00 44.80				
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. TOTAL EQUIPMENT COSTS]		. 37	7. SU	19. TOTAL MATERIAL COSTS	•		

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	SUBCONTRACTOR REPO	RT		PEDCO Environmental US	14-3 1984
19. SUBCONTRACTOR NAME	20. WORK DES	CRIPTION	21.SUBCONTRACT		
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ı] .	24. CONTRACT CEILING AMOUNT	\$500,000,00
·				26. TOTAL ESTIMATED CONTRACT COSTS TO DA	TE \$2968.30
22. TOTAL BUBCONTRACT COSTS			0 -	26. TOTAL ESTIMATED COSTS TO COMPLETE CO	NTRACT \$407.001.20
I certify that this report is a true and complet subcontractors which I ordered and authorize contract.	e record of the labor, supervision, t d from the contractor in the perfor	I cartify 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	y (zi	Time Arrived on Scene	Time Departed 49	Signature of Contractor's Authorized Representative	Date 5 /4/94

EPA Form 1980-55 (1-82)

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

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HAZARDO	RONMENTAL PROTECTION AGENCY DUS SUBSTANCE RESPONSE FUNI NTRACTOR COST REPORT	D			PEDC		/IFOIT M	nental	68-01-	
	ACTOR PERSONNEL REPORT				ASSIGNM			3	DATE MAY 4	1954
			LY LABOR ATE	4. HOURS EMPLOYED		5.	6. TOTAL HOURS		7. TRAVEL AND	8, TOTAL
1. EMPLOYEES ASSIGNED	2. WORK CLASSIFICATION	REGULAR	OVERTIME	FROM	то	BREAK TIME	REGU-	OVER- TIME	SUBSISTENCE COSTS	PERSONNEL COSTS
MICHAEL HESSWING	RESPONSE MCR.	52.50		0300	1630	30	3		60.00	430.00
JACK VINSON	FOREMAN LVL 3.	33.00		08ను	1630	30	3			268.30
DEWLY WATERMAN	EQUIPMENT OF LV. 2	27.30		0500	1630	30	3			22 2.40
HAROLD FORKNER	EON-PHENT OP LVLZ	1		منج	1630	30	દ			222.40
TOM WARNES	EOU-PMENT OP. LVL 2	27.80		1000	1630	30	b			166.30
Larry ORNS	PIPESETTER	23.10		ევან	1630	30	8			134.80
GREG POBERTSON	PIPESETTER +	23.10		Í	14 3 ⁰	30	6			182.80
CHEC HOBERISON	EQUAMENT ON LUL 1	22.10		430	16 30	_	2			
Joe Stockwell	Engineer	47.30					4 *	*		189.20
Buch Wahl	Engineer	47.30				 	12*	*		561.60
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4			אוצענים	77		<u> </u>				
* Field Negotiated R	ATE FOR Skilled LAG	DRER. T	D HEER	ATDE				TOTAL P	ERSONNEL COSTS	7434.80

EPA Form 1900-55 (1-82)

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Original - On-Scene Coordinator
Copy 1 - Contractor
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Page 1 of 4

Form Approved

CONTRACTOR—OWNED EQUI	PMENT/	MATERIA	ALS REPORT			CONTRACTOR FT U.C. Franciscus Ja. ASSIGNMENT NUMBER 10 94 - 05 - 008	CONTRACT NUM.	
s, EQUIPMENT USED	10. HOL	TO	11. COST PER HOUR	12. TOTAL HOURS	13. TOTAL COST	15, MATERIALS USED	16. QUANTITY	17. TOTAL COST
Backhoe, CASE 520 Bond	৩৬০০	1630	221/lay	8	221.00	SAU BLADES	2	B.II Later
Backhor, Car 200 Ever	Jzw	1030	478/ly	8	478.00			<u> </u>
Suchhe, Cat 225 Eque	1330	1630	68/nr	3	204.00			
outer Wheel, 1.5 yel	H30	16 30	47/nr	2.	94.00			
outer Wheel, 3 yard	1000	1330	47/nr	3	141.00			
Stake Bal Truck Hand Tools	0330	1630	75 /day	8	75.00			
Hand Tooks	ეფიი	1630	Flife Day	3	11.00			
Cut-Off Saw (Figs Catio)	1330	1530	FII. /chery	2	11.00	·		1
Cut-Off Saw (Fig. Cata) Passenger Section	<i>ర</i> కరు	2400	BI/day	16 ha 28~ m;	44.30			
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OTAL EQUIPMENT COSTS	<u> </u>			. / 2	30,80 11	I. TOTAL MATERIAL COSTS		· · · · · · · · · · · · · · · · · · ·

		$\overline{}$	CONTRACTOR	CONTHACT NUMBE
	UBCONTRACTOR REPORT		PEDCO Enveronmental	63.01-6574
ļ	OBCONTRACTOR REPORT		ASSIGNMENT NUMBER	DATE.
			1824-02-008	DATE MA: 4, 1484
19. SUBCONTRACTOR NAME	20. WORK DESCRIPTION	21.SUBCONTRAC	CT 23. REMARKS	,
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•			24. CONTRACT CEILING AMOUNT	\$500,000.00
			25. TOTAL ESTIMATED CONTRACT COST	S TO DATE \$6.734.40
22. TOTAL SUBCONTRACT COSTS		8	26. TOTAL ESTIMATED COSTS TO COMPL	ETE CONTRACT \$493,215.60
1 certify that this report is a true and complete reconstructors which I ordered and authorized from contract.	ord of the labor, supervision, travel, equipment, m the contractor in the performance of the above	materials, and re-cited	I certify that this report is a true and complet equipment, materials, and subcontractors pro- ance of the above-cited contract.	a record of the labor, supervision, travel, yided by the contractor in the perform-
Signature of OSC Representative	Time Arrived on	Time Departed	Signature of Contractor's Authorized Flapress	
An Caplice	5/5/54 S:00	16:30	Michael affest	ing 5/6/84
EPA Form 1900-56 (1-82)			riginal — On-Scene Coordinator	

Copy 1 — Contractor Copy 2 — Procurement

(2))		Y				Form Approved OMB Approval No. ' Expiration Date 6	<u> </u>
HAZAF	DOUS SUBSTANCE RESPONSE FUND CONTRACTOR COST REPORT		, 			· Env		ental	48-01- 6	
COM	TRACTOR PERSONNEL REPORT				L894-05-008			8	May 7, 1984	
			3. HOURLY LABOR RATE		4. HOURS EMPLOYED		6, TOTAL HOURS		7. TRAVEL AND	8. TOTAL
1. EMPLOYEES ASSIGNED	2. WORK CLASSIFICATION	REGULAR	OVERTIME	FROM	то	BREAK	REGU- LAR	OVER- TIME	SUBSISTENCE COSTS	PERSONNEL COSTS
Mike Hessling	Response Manager	52.50		800	1630	30	૪		60	480.00
Jack Vinson	Fore man, Level 3*	33.60	(A)	800	1630		6			24.480
Jack Vinson	Frigues Cast 57 15	27:00		800	1650	30	李			No.
Harold Forkner	Equipment Op., Lul. 2	27.80		800	1630	30	જ			222.40
Tom Warnes	Equipment Op., LV1.2	27.80		800	1630	30	8			222.40
Greg Robertson	Equipment Op., Lul. 1.	77.10		800	1630	30	ਲੇ			174.80
	Piposite	₹554 0 7		900	1630	30	234		·	
Larry Orns	Equipment Op., Lul. 1	22.10					6			132.60
Ray Orns	Pipesetter	23.10		800	1630	30	8			184.80
Jr. Orns	Pipesetter	23./0		800	1630	30	8			184.80
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* Also Operated E	OUIDMENT COLERM	ch net	Apret co	Leite	./		,	TOTAL P	ERSONNEL COSTS	1872.60

CONTRACTOR—OWNED EQUIP	MENT/N	MATERI/	ALS REPORT		<u> </u>		CONTRACTOR PEDCo Environmental ASSIGNMENT NUMBER	DATE		
9. EQUIPMENT USED	10. HOU	RS USED	11. COST PER HOUR	12. TOTAL HOURS	13, TOTAL COST		16. MATERIALS USED	May	7 1984 17. TOTAL COST	
Backhoe, Case 580 Equip	800	1630	3/27	3 6	197.00	S	aw Blodes	4*	18.00	
Backhoe, Cat225 Equiv.	800		68/hr	7	476.00	F	vel (1.25/gal)	125 gal	154.25	
	800 1530	1430 1430	68/hr	7	474.00		0			
	800	1630		197	329	1	ncludes 2 blades		!	
Loader Wheel, 3 yard	1430	1630	47/hr	2	94.00		own 5/4/84 but			
Stake Beel, 1 Ton	800	1630	75/Jay	8	75.00					
0 - 1	800	1630	11/day	8	11.00					
Cut-off Saw (Ape Cutter)	800	1000	11/day	2	11.00		SUBTOTAL		174.25	
Pump, Trash, 2"	1430	1630	16/hr	2	32.00		3% H.C.		5.23	
Possenger Sedan	2000	1630	51/Jay	16 280mi	<i>51.00</i> 44.80		- ,			
Pick-Up Truck	8	4:30	58/10/	8	58.00					
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. TOTAL EQUIPMENT COSTS	I			* 18 ⁴	19.8	18. TOTA	AL MATERIAL COSTS	\$	179.48	

EPA Form 1900-55 (1-82)

Original — On-Scene Coordinator
Copy 1 — Contractor
Copy 2 — Precurement

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		(\mathcal{C}	CONTRACTOR	CONTRACT NU	
sı	UBCONTRACTOR REPORT			PEDCO Environment	68-01- 6894	
				6844-05-008	May 7 19:	84
19. SUBCONTRACTOR NAME	20. WORK DESCRIPT	TION	21.SUBCONTRA	CT 23. REMARKS	, ————————————————————————————————————	
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			:	24, CONTRACT CEILING AMOUNT	\$ 500,	ow, a
				25. TOTAL ESTIMATED CONTRACT COST	S TO DATE \$ 10,68	16.28
2. TOTAL SUBCONTRACT COSTS				26. TOTAL ESTIMATED COSTS TO COMPL	ETE CONTRACT \$ 487.3	3/3.75
certify that this report is a true and complete recountractors which I ordered and authorized from contract.	ord of the labor, supervision, travel, in the contractor in the performance	equipment, ma of the above-c	terials, and ited	I certify that this report is a true and complete equipment, materials, and subcontractors pro- ance of the above-cited contract.	record of the labor, supervision ided by the contractor in the pe	n, travel, erform-
ignature of OSC Representative	Time Scen-	Arrived on	Time Departed	Bignature of Contractor's Authorized Represe		
Beriel Markeo		1.00	16:30	plackal chestoic	1). 5/23/8.	4
PA Form 1900-55 (1-82)	7 7		С	riginal — On-Scene Coordinator opy 1 — Contractor opy 2 — Procurement	Pi	age 3 of 4

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HAZAR	IVIRONMENTAL PROTECTION AGENCY DOUS SUBSTANCE RESPONSE FUNI CONTRACTOR COST REPORT)—————————————————————————————————————		PEDC	Envi			CONTRACT NUMB	
CON	ASSIGNM	ENT NUM 4 - 06	BER	8	May 8, 198					
			Y LABOR	4. H EMP1	OURS LOYED	5.		TAL JRS	7. TRAVEL AND SUBSISTENCE COSTS	8. TOTAL
1. EMPLOYEES ASSIGNED	2. WORK CLASSIFICATION	REGULAR	OVERTIME	FROM	то	BREAK TIME	REGU-	OVER-		PERSONNEI COSTS
Mike Hessling	Pespoonse Manager	52.50		800	1630	30	8		60	480
1 11:	Foreman, Lvl. 3	33.60	色			2.0	6 ⁹			248.80
Jack Vinson	Employed R	278		800	1630	30	£			1000
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	<i>u</i> 7			Pa
Greg Robertson	Equpment Op., Lul- 2	27.80		800	1630	30	8			222.40
	Pipes etter	23.70		800	1630	30	2			178.80
Larry Orns	Equipment Op, Lul.1	22.10		800	1630		6			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Ray Orns	Pipesetter	23./0		800	1630	30	8			184.80
Jr. Orns	Pipesetter	23./0		800	1630	30	8			184,80
Colleen Groat	Truck Driver	18.90	_	1000	1100	_	1			18.90
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* A O AT	ED EQUIPMENT GOE	Bu rl	الإنجاع المتعاد	· /-	 ا رواره	 .	 	TOTAL P	ERSONNEL COSTS	1955.5

EPA Form 1900-55 (1-82)

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

Page 1 of 4

CONTRACTOR—OWNED EQUI	PMENT/	MATERIA	ALS REPORT			PEDCO Environmental	68-01- 4	
	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		ALS NEPONT			ASSIGNMENT NUMBER	May 8	, 1984
9. EQUIPMENT USED	10. HOU	RS USED	11. COST PER HOUR	12. TOTAL HOURS	13, TOTAL COST	15. MATÉRIALS USED	16. QUANTITY	17. TOTAL COST
Backhoe, Case 580 Equir.	1000	1630	32/hr	6	192.00	Saw Blades	3	13.50
Backhoe, Cat 225 Equir.	1			77	474.00	Fue (1.25/gal)	115/861	143.75
Bockhoe Cotzzs Equir.	800	1630	478/Jay	8	418.00	Stone (pea gravel)	~10 yd.	BillLater
Loader, Wheel, 1/2 yard	800	1630	331/day	8	331.00			
Localer, Wheel, 3 yard	४००		47/4-	2	94.00			
Stake Beel, I Ton	800	1630	75/lay	ය	75.00			
Hanel Tools	800	1630	11 /Jay	8	11.00	Sug+0T4L		157.25
Cut-off Saw (Pipe Cutter)	৪০০	1000		2	11.00	3% H.C.		4 .72
Dump Truck, 10 yel			30/11	1	30.00	3 /8 //. C.		4
Pick-up Truck			58 /doj	8	5g.00			:
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						79		
14. TOTAL EQUIPMENT COSTS				\$, p., -	6.00	18. TOTAL MATERIAL COSTS	\$	161.97

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Ö	SUBCONTRACTOR REPOR	₹Т	0	CONTRACTOR PEDCO Environ I ASSIGNMENT NUMBER 1894-05-0	DATE	MBER 1-)894 y 8 1984
19. SUBCONTRACTOR NAME	20. WORK DESC	CRIPTION	21.SUBCONTRAC	· · · · · · · · · · · · · · · · · · ·		<u> </u>
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						3075 47
						3873.47
				24. CONTRACT CEILING AMO	ONT	7
				25. TOTAL ESTIMATED CONT	RACT COSTS TO DATE	\$ 14559.75
22. TOTAL SUBCONTRACT COSTS			\$	26. TOTAL ESTIMATED COST	S TO COMPLETE CONTRACT	\$ 485 440,25
I certify that this report is a true and complete subcontractors which I ordered and authorized contract.	record of the labor, supervision, to from the contractor in the perform	ravel, equipment, mance of the above-	cited	I certify that this report is a true equipment, materials, and subcorance of the above-cited contract.	ntractors provided by the contra	r, supervision, travel, ctor in the perform-
Signature of Control Representative	-1- 1-11	Time Arrived on Scene	Time Departed	Signature of Contractor's Author	rized Representative	Date 5/23/84
Mariel M. Caplier	3/23/84	8:00	16:30	Muchal -	Teaf ing	1-9/81
EPA Form 1900-65 (1-82)	, ,		Co	iginal — On-Scene Coordinator py 1 — Contractor py 2 — Procurement	/	Page 3 of 4

	-					<u> </u>			Form Approved OMB No. 2000-0281 Approval expires 8:	· . <u>. </u>
HAZAR	IVIRONMENTAL PROTECTION AGENCY DOUS SUBSTANCE RESPONSE FUNI CONTRACTOR COST REPORT		J	PEDC.	Enviro		tal	68-01- 6894		
 -	TRACTOR PERSONNEL REPORT					- 05-			MAY C	1,1984
			LY LABOR ATE	4, H EMPI	OURS OYED	6.	6, TO HO	OTAL URS	7. TRAVEL AND	B. TOTAL
1. EMPLOYEES ASSIGNED	2. WORK CLASSIFICATION	REGULAR	OVERTIME	FROM	то	BREAK	REGU-	OVER-	SUBSISTENCE COSTS	PERSONNEL COSTS
Mike Hessling	Response Manager	52.50	104.10	ନ୍ତ	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		3	4:30	1/2	8			222.40
Larry Orns	Equipment Op. Level 1 Pipesetter	23.10		8	4:30	1/2	7			177.86
Greg Robertson	Equipment Op. Level 1 Pipesetter	22.10		8	4:30	1/2	2			182.80
Jr. Orns	Pipesetter	23.10		8	4:30	1/2	8			184.80
Ray Orns	Pipesetter	2310		8	4:30	1/2	8			184.80
Earl Cummings	Proreman Lvl. 3	33.60		17:30	4:30		4_			134-40
Dennis Heffron	Corpenter	23/0		8	4:30	1/2	8			184.80
Ray Cose	Iron Worker	31.50		8	4:50	1/2	8			257.00
John Boorman	Loborer	15.80		8	4:30	1/2	8			124.40
Joe Cupac	Foremon, Level 3	33/10		8	7	2	4		288**	472.40
Frank Bazzano	Pipelitter	31.50		8	2	2	4		288**	414.00
Joe Smithosky	Mechanic	24.30		8	2	2	4		288**E	393.20
				F**			- ·			
ALSO OPERATED EQU	IDMENT Inclu	des \$7	28.00	<u></u>	Fore	<u> </u>		TOTAL P	PERSONNEL COSTS	3979.29

EPA Form 1900-56 (1-82) (1) CIL ; AHI Chapper ON Level

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

CONTRACTOR—OWNED EQUI	PMENT/N	MATERIA	ALS REPORT			CONTRACTOR PED Co Env. ASSIGNMENT NUMBER	CONTRACT NUMB	6894			
	,			,	_Y ··· · · · · · · · · · · · · · · · · ·	6894.05-008	DATE MAY 9	, 1984			
9. EQUIPMENT USED	10. HOURS USE		10. HOURS USED 11. COST PER HOUF		FROM TO PER		13. TOTAL COST	16. MATERIALS USED	16, QUANTITY	17. TOTAL COST	
Case 580 Equir			221/400	day	221.00	TOP SOIL	90 yel.	BILL LAT			
Cat 225 Equir (Linkbelt)		· ·	108/10	6	408.00	Saw Black	1	4.5			
Loocler Wheel 1.5 yel				doy	331.00	GRASS SEED	100 16	BILL LAT			
Loader Wheel 3 yel			47/hr.	4	188.00	Fuel	85 gcl	106.2			
Turf Tractor			21/hr	3	63.00	PR TIES (CRIBBING)	24	100.0			
Stake Bell ITon			75/ Day	day	75.00	LUMBER		BLL LAT			
Dump Truck, Fixed-10 yd.			30/hr	4	120.00	Neenah Manway		BILL LATE			
2" Elect Submersible Pump			55 de/	day	55.00	18" Butterfly Value	1	BILL LATE			
15 Ton Crane			50/hr	Ź	100.00	Rebar		BILL LAT			
Hand Tools	 			day	11.00						
Cutting Torch	<u> </u>		8/hr	1	8.00						
Hand Tools	-		11/2/2/	dey 3	11.00						
Stake Bel 2 Ton	 		16 hot	3 1/2	48.00						
2" Trosh Pump Pickup Truck			16/hr.	3 12 cla/	56.00 58.00		 				
-					3 8.00	SUBTOTAL		210.7			
		ļ				3% H.C.		b. 3i			
						•					
14. TOTAL EQUIPMENT COSTS	 			\$	1753.00	18. TOTAL MATERIAL COSTS	*	217.0			

EPA Form 1900-55 (1-82)	•	Col	ginal — On-Scene Coordinator py 1 — Contractor py 2 — Procurement		Page 3 of
Signature of the Representative Signature of the Representative Annie III. Castler	5/23/34 Scene 8:00	16:30	Who Horgen	1.	5/2 x/84
I certify that this report is a true and complete rec- subcontractors which I ordered and authorized fro- contract. Signature of COO Representative	ord of the labor, supervision, travel, equipment, main the contractor in the performance of the above-	iterials, and cited	I certify that this report is a true and comple equipment, materials, and subcontractors pro ance of the above-cited contract. Signature of Contractor's Authorized Repres	ovided by the contracto	Supervision, travel or in the perform-
22. TOTAL SUBCONTRACT COSTS		\$ 1390.50	26. TOTAL ESTIMATED COSTS TO COMP	LETE CONTRACT	478100.48
٠			25. TOTAL ESTIMATED CONTRACT COS	TS TO DATE	21 899.52
			24. CONTRACT CEILING AMOUNT		500,000.a
				γ	7339.77
	3% H.C.	40.50	,		
	7. Balle Eveek !!				
	Transportation of Dual Carlson Unit From Pitsburgh Pa. To Battle Creek MI				
	Transportation of	1350.0	o		
19. SUBCONTRACTOR NAME	20. WORK DESCRIPTION	AMOUNT			
		21.SUBCONTRAC	123. REMARKS	MAY	1984
s	UBCONTRACTOR REPORT		PEDC. ENV.	68-01-	894
			CONTRACTOR	CONTRACT NUMB	

		_		`				Porm Approved OMB No. 2000-0285 Approval expires 8	· <u>s</u>
US E	NVIRONMENTAL PROTECTION AGENCY		,	CONTRA	CTOR			CONTRACT NUMB	
MAZAN	ROOUS SUBSTANCE RESPONSE FUN CONTRACTOR COST REPORT	D -		PED	c. E,	11/		1,8-01-	6894
					ENT NUM		0	DATE	0,1984
CON	NTRACTOR PERSONNEL REPORT	1 2			4- 75		OTAL	PIAPI	0,1484
	}	3. HOURLY LA	BOH 4.	HOURS PLOYED	6.	НО	URS	7. TRAVEL AND	S. TOTAL
1. EMPLOYEES ASSIGNED	2. WORK CLASSIFICATION	REGULAR OVE	RTIME FRO	и то	BREAK TIME	REGU- LAR	OVER- TIME	SUBSISTENCE COSTS	PERSONNEL COSTS
Mike Hessling	Response Manager	52.50	80	o 16 90		8	<u> </u>	Le O	480.00
Jack Vinson	Foreman, Level 3	33.60	800	1630		8	<u> </u>		268.60
Dewey Waterman	Equipment Op., Lul. 2	27.80	800	1630		8			222 -40
Tom Frily	Equipment Op., Lvl. 2	27.80	300	1630		8			272.40
Gieg Robertson	Equipment Op. Lul. 1	22.10	800	1630		_8_			176.80
Larry Dins .	Pipesetter	23.10	800	1690		8			184.80
Jr. Ocns	Pipesetter	23.10	800	16 30		8			184.80
Colleen Groat	Truck Driver	18.90	80	16-9-		3/2			106.15
John Abbott	Truck Driver	18 00	800	وسين ا		3/2			66.15
Earl Cummings	Fore man	33.60	90	1630		8	<u> </u>		768.80
Dennis Heffron	Corpenter	23.10	800	1630		8	ļ		184.80
Ray Case	Concrete Labor	23.10	80	1630		8	ļ		184.80
John Borman	Laborer	15.80	80	1630		8	<u> </u>	<u> </u>	124.40
Joe Cupac	Foreman	33.W	80			8		60	328 80
Frank Bazzonu	Pipelitter	31.50	800	,		8	ļ	60	312.00
Joe Smithosky	Mechanic	26.30	800	1630	<u> </u>	8		60	270.40
Pichard Hook	Foremon	33.60	80	17:00	<u> </u>	4	<u> </u>		24.40
Phil Eyer	Electrician	31.50	80	ر ا		4			124.00
Jim Lauis	EQUIPMENT OP. LVL 2	27.80	800)	_	6			166.80
Pay Lewis	MECHANIC.	26.30	80	<u> </u>		6			157.80
Hent Choote	Fore man	33.10	80	U		2_			67.20
Tom Dewey	Foreman	33.60				4			
	Pipelitter	31.50	80	υ		2	<u> </u>		264.4
Tom Dewey	Pipefitter	31.50	80	16		8			252.00
	. //						TOTAL	PERSONNEL COSTS	
A Form 1900-55 (1-82)	70.7	Original - On-Copy 1 - Con	icene Coordina	tor					Page 1

Form Approved OMB No. 2000-0285 Approval expires 8 US ENVIRONMENTAL PROTECTION AGENCY CONTRACTOR CONTRACT NUMB MAZARDOUS SUBSTANCE RESPONSE FUND PEDCO ENV. ASSIGNMENT NUMBER 634-05-003 68-01-6894 CONTRACTOR COST REPORT DATE **CONTRACTOR PERSONNEL REPORT** MAY 10, 1984 3. HOURLY LABOR 4. HOURS 6. TOTAL HOURS 7. TRAVEL AND SUBSISTENCE COSTS 8. TOTAL PERSONNEL COSTS 1. EMPLOYEES ASSIGNED 2. WORK CLASSIFICATION REGULAR OVERTIME FROM TO REGU- OVER-BREAK TIME LAR TIME Wells Pipelitters Don 8 31.50 252.00 Cossbeer Plumber 31.50 8 252.00 Shoup Truck Driver 18.90 Harrey 8 151.20 5372.30 **TOTAL PERSONNEL COSTS**

EPA Form 1900-55 (1-82)

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

CONTRACTOR—OWNED EQUIP	PMENT/M	IATERIA	ALS REPORT			CONTRACTOR PEDCO ENV. ASSIGNMENT NUMBER 1, 294 - 05 - 008	CONTRACT NUMB				
9. EQUIPMENT USED	10. HOURS USED		cost		FROM TO PER HOURS		13, TOTAL COST	15. MATERIALS USED	16. QUANTITY	17. TOTAL COST	
Case 580 Equir.			32/hr	4	129.00	Fuel	110 gal	137.50			
Cot 225 Equir. (Linkbelt)			68/hr	2	136,00	MAN HOLE	1	853.37			
Localer Wheel, 1.5 yel(36)			47/10-	됭(:,)	331.00	Descriptors Asses	*				
Loader Wheel, 1.5 yel (Int)			47 /hr	5	235.00	Top Soil	40 yd	585.00			
Dozer			40/hr	b	240.00	Stone		Bill Later			
Turt' Tractor			21/1	5	10500	Carbon	\$0,000#	86,000			
Stake Bed, I Ton.			75/day	day	15.00	Photo Switches	5	Bill Later			
15 Ton Crane			50/hr.	2	100.00						
Dump Fixed, 10 yel			30/hr.	3/2	105.00						
Dump Fixal, 10 yel.			30/hc	31/2	105.00						
Hand Tools			11 /day	day	9.00*						
50 Ton Crane			25/16	lø	510.00	SUBTOTAL Non fixed Rate	}	1575.8			
2" Trash Pump				clay	80.00	Non fixed Rate		, , , , ,			
2" Elec. Submerible Pump			55/dey	doy	55.00	3% H.C.		47.28			
Compressor			95/2/01	Piny	95.00	5/6 ///		.,			
Pick-Up Truck			58/day	day	58.00						
Hand Tools			11/c/d/	day	11.00	Fixal Rate		86,000.0			
Stake Bed, 2 Ton			80/061	day	80.00						
Hans:				1 200/	11.00						
Pick-Up Truck			38/00/	day	57. oo⁴						
Corbon Filter, 20,000#			1175/W	s .′ <i>B</i> .	470.00						
Carbon Filter 20,000#			1175/WK	5.13-	470-00						
Corbon Filter 20,000				5.B.	470.00		j				
Carbon Filter, 20,000#			1175/WL	S-B.	170.00						
Step Ladders (2)			5/day	clay	10.00			<u> </u>			
I. TOTAL EQUIPMENT COSTS CONVERT	_ء	11.1.1.1	, Rote	. ′	4410.00	i 18. TOTAL MATERIAL COSTS	8762	3. <i>15</i>			

C:	JBCONTRACTOR REPORT	0	CONTRACTOR CONTRACT N PEDCS ENV. (8-0)	1- J. 94
19. SUBCONTRACTOR NAME	20. WORK DESCRIPTION	21.SUBCONTRACT		y 10, 1984
	TRANSPORTATION OF 2 Carbon Units to Battle Creek Site from Pittsburgh	1350.		
	3% H.C.	40.50		
·			24. CONTRACT CEILING AMOUNT	48801.98 72001.33
.'			25. TOTAL ESTIMATED CONTRACT COSTS TO DATE	\$/20,70147
22. TOTAL SUBCONTRACT COSTS		1390 so	26. TOTAL ESTIMATED COSTS TO COMPLETE CONTRAC	
I certify that this report is a true and complete reco subcontractors which I ordered and authorized from contract.	rd of the labor, supervision, travel, equipment, ma n the contractor in the performance of the above-c	ited	I certify that this report is a true and complete record of the he equipment, materials, and subcontractors provided by the contact of the above-cited contract.	ibor, supervision, travel, tractor in the perform-
Signature of the Representative Signature of the Signature of the Representative Signature of the	Time Arrived on Scene 8,'00		Signature of Contractor's Authorized Representative	5/23/84
EPA Form 1900-65 (1-82)		Сор	ginal — On-Scene Coordinator by 1 — Contractor - Procurement	Page 3 of 4

HAZAR	IVIRONMENTAL PROTECTION AGENCY DOUS SUBSTANCE RESPONSE FUN			CONTRA	CTOR E	A / 1/-		Form Approved OMI No. 2000-028 Approvol expires 8: CONTRACT NUMB	
	CONTRACTOR COST REPORT ITRACTOR PERSONNEL REPORT			ASSIGNA	4-05	18EA	 >8	DATE MAY /	4
		3. HOURLY LABOR	4, H EMPI	4. HOURS EMPLOYED		6. TO	OTAL URS		
1. EMPLOYEES ASSIGNED	2. WORK CLASSIFICATION	REGULAR OVERTIM	E FROM	то	BREAK TIME	REGU-	OVER- TIME	7. TRAVEL AND SUBSISTENCE COSTS	8, TOTAL PERSONNEL COSTS
Mike Hessling	Pesponse Mar	52.50				8		40	480.0
Jack Vinson	Foreman Lvl. 3	33.60				8			268.8
Dewey Waterman	Equipment Op. Lul. 2	27.90				8			222.4
Greg Robertson	Equipment Op Lul 1	22. D				2_			44.2
Jr. Orns	Pipesetter	23.10				8			184.8
Ray Orns	Pipe setter	23.10	· .			8			184.8
Ear Cummings	Foreman Lul.3	33.W				8			268.8
Dennis Heffron	Carpenter	23-10				8			184.8
Play Cose	Concrete Labor Lul2	23.10				8			184.8
Juhn Borman	Leborer	15.80				8			124.4
Kent Cheate	0 Foreman Lul3	33.60				Z			67.2
Loyd Cassbeer	Plumber	31.92				8			252.0
TOM DEWEY	FOREMAN LVI.3 Pipefitte	33.60 31.50				6 2			264.6
Pichard Hook	Foreman, Lv1.3	33.60				2/2			84.0
Herb Smith	Electrician	31.50				21/2			78.7
	Equp. Op. Lul 2	27.80				3_			83,4
Joe Smithuski	Foreman	33.60	_			2		30	97.2
Frank Bazzano	Mechanic	26.30		· · · · · · · · · · · · · · · · · · ·		2		30	32.6
			*	i					
ost & Roll domines on	had.	<u> </u>	_		· —		TOTAL P	ERSONNEL COSTS	

MAZARD	VIRONMENTAL PROTECTION AGENC DOUS SUBSTANCE RESPONSE FUI CONTRACTOR COST REPORT	ŇD C)——	·	PED ASSIGNA	C. E	NV,		Form Approved ONIS No. 2000-028 Approval expires 8 CONTRACT NUMB 68-01-6	
CON	TRACTOR PERSONNEL REPORT					94-0		08	May 11	1984
		3. HOURL	Y LABOR	4. H EMPI	OURS LOYED	6.	6, TO	DTAL URS	7 TRAVEL AND	8. TOTAL
1. EMPLOYEES ASSIGNED	2, WORK CLASSIFICATION	REGULAR	OVERTIME	FROM	то	BREAK	REGU	OVER-	7. TRAVEL AND SUBSISTENCE COSTS	PERSONNE COSTS
Joe Stockwell	Engineer	47.30					20			944.0
Ray Roesner	Engineer	47.39					12			567.6
Dave Hildebranett	Engineer	41.30					2			94.4
John Wyman	Engineer	47.30					3_			141.9
lames Kurtz	Engineer	47.39					71/2			354.7
Pam Paul	Clerk/Typist	15.80					12			189.4
			·							
				*						
			<u> </u>	.	L	<u> </u>		TOTAL P	ERSONNEL COSTS	5454.0

CONTRACTOR—OWNED EQUI	PMENT/MATER	ALS REPORT			CONTRACTOR	CONTRACT NUME	.1894
			<u>,</u>		ASSIGNMENT NUMBER	DATE MAY	11, 1984
	10. HOURS USED		12.	13.			17.
9. EQUIPMENT USED	FROM TO	COST PER HOUR	HOURS	TOTAL	15. MATERIALS USED	16. QUANTITY	TOTAL
Case 580 Equir (410)	(410) 32/hr. 3 96.00 F		Ready-Mix Cement	7 bag	15/11 12:		
Cat 225 Equir (Linkbelt)		65/hr.	7	476.00	Mortan		13:11 LAT
Loader Wheel 3yel		47/hr	2	94.00	Concrete Bricks	(, ()	Bill Lat
Dozer (450)		40/hr.	4	140.00	24" Concrete Pipe	27 L.Ft.	Bill La
Stoke Bed-1 Ton		75/Jay	day	15.00*	Fuel	50 gal	62.5
2" Elect Submarsible		55/day	de	55.00	Rebar	J pc-	34.17
Hard Tools		11/day	diay	*	Pump Starten & Misc.	5 sets	Cill Lat
Stake Bed - 2 Tan		80/day	day	80.00	Control Switches	5	Bill Lat
Hand Tools		11/00/	day	11.00	Pumps	5	Bill Lat
Drill Ria		446/Sy	3	444.00	Lumber		Bill Lat
Hend Tools		11/dex	21/2	11.00	,		
Compresson		16/hr	3	48.00	SUBTOTAL		96.67
Hand Tooks		11/2/21	3	11.00			76.6
12-ft Step Ladders (2)		5/1/21	3_	10.00	3% H.C		2.90
Pick Up		 	elay	*]
Transit /Level		35///	dey	35.00			
Tutting Torch			Joy_	50.00			
Transit/Level		35/day	101	35.00			
Passenger Sedan		-16/mile	Jay Zeomi	44.80			
					·		
Equipment Truck (Exed.)		14/20	2 1/2	35.00		1	
		<u> </u>			**		l
14. TOTAL EQUIPMENT COSTS # Converte	0 + 12	In Posts		17/2 5-	18. TOTAL MATERIAL COSTS		99.5

	SUBCONTRACTOR REPOR	т	0	-	CONTHACTOR PEDCU ENV. ASSIGNMENT NUMBER 6894 - 05-008	CONTRACT NUM 68-01- 6	294
19. SUBCONTRACTOR NAME	20, WORK DESC	RIPTION	21.SUBCONTR	ACT 23.	· · · · · · · · · · · · · · · · · · ·	I TAY	11,1104_
		-					l
, ,	•						
		·					
							7317.37
				24. C	ONTRACT CEILING AMOUNT		\$ 500,000.00
				25. T	OTAL ESTIMATED CONTRACT COS	TS TO DATE	\$ 128,018-84
22. TOTAL SUBCONTRACT COSTS			\$	26. T	OTAL ESTIMATED COSTS TO COMP	LETE CONTRACT	\$37/,98/. \$ 6
I certify that this report is a true and complete re subcontractors which I ordered and authorized fr contract.	ecord of the labor, supervision, tra com the contractor in the perform	vel, equipment, ma ance of the above-	iterials, and cited	leguip	ify that this report is a true and comple ment, materials, and subcontractors pro of the above-cited contract.	te record of the labo	r, supervision, travel, too in the perform
Signature of the Representative		Time Arrived on Scene	Time Departed	Signe	ture of Contractor's Authorized Repres	Intative	Date 5/23/24
Pariet M. Castico	5/23/84	8:00	16130	2	7.000.000	149	1<3/84
EPA Form 1900-55 (1-82)	·			Copy 1	- On-Scene Coordinate - Contractor - Procurement		Page 3 of 4

HAZARI	VIRONMENTAL PROTECTION AGENCY DOUS SUBSTANCE RESPONSE FUND CONTRACTOR COST REPORT	,)		PED Co	ENV.			Form Approved ONB No. 2000-0285 Approval expires 6: CONTRACT NUMBER (3 - O/- 2	1,894
CON	TRACTOR PERSONNEL REPORT						008		May 14	,1984
			Y LABOR	4. HOURS EMPLOYED		5.	6. TOTAL HOURS		7. TRAVEL AND	Š. TOTAL
1, EMPLOYEES ASSIGNED	2. WORK CLASSIFICATION	REGULAR	OVERTIME	FROM	то	BREAK	REGU- LAR	OVER- TIME	SUBSISTENCE COSTS	PERSONNEL COSTS
Mike Hessling	Pesponse Manager	52.50		2/55	14:30		8		60	480.0
Jack Vinson	Foreman Lul. 3	33.40		8,00	9:00		1			33.60
Dewey Waterman	Operator LV1.2	27. 80		2:00	12;00		4			111.20
Earl Cummings	Fore men	33.40		8:00	16:30		8			268.80
Dennis Heffron	Carpenter	2310		1:00	/4:3>		8			184.80
Milo Loshua	Carpenter	23.10		8:00	16130		8			184.80
Ray Cose	Concrete Labor	23-10		8:22	16:30		8			184.80
John Boaman	Laborer	15-80		8:00	15:30		8			124.40
Kent Choate	Foreman Lyl 3	37.60		2103	:00 :00		2			67.20
Tom Dewey	Foreman Lvl. 3 P.pe Pitter	33.60		8':00	16:30		6 2			264.60
Bob Dope	Welder	31.50		טפיצי	16:30		8			2.52.00
Richard S. Hook	Foreman	33.10		10100	14:30		6	 -		201.6
Herb Smith	Electrician	31-50		10,00	16,170		b			189.0
Scott Rodesiler	Apprentice Electrician	23-10		10:00	16130		6			138.60
	Maria						2			
La Carrett Languist	√ Example						2			
				*						
Ec. & FILL Chapped on	land							TOTAL P	ERSONNEL COSTS	2687.4

CONTRACTOR OWNED FOLLIS		4475014	. A DEBORT			CONTRACTOR PEDC . Env.	CONTRACT NUMB	
CONTRACTOR—OWNED EQUIP	MEN I/I	MATERIA	(LS HEPONT			ASSIGNMENT NUMBER	DATE	4 1984
9. EQUIPMENT USED	10. HOU	RS USED	11. COST PER HOUR	12. TOTAL HOURS	13. TOTAL COST	15. MATERIALS USED	16, QUANTITY	17, TOTAL COST
225 Cat Equir (Linkbelt)	8:00	10:00	1-1	2	136.00	Steel Pipe & Fittings		Bill Loter
Dozer 450	10100	12:00	,	2	80.00	24" Concrete Pipie	487E	Bill Later
2" Elect. Submersible	0;00	24;00	55/clay	day	55.00 ×	Mastic	5 991	3ill Lote
Hand Tools	8:10	131.10	P Idal	day	11.00	Prc Water-top	150 LF	345.00
Hand Tools	81.00	16/30	11/001	day	11.00			
Stake Bed, 2 Ton	8:00	16:130	80/00,	day	80.00			
Hanel Tools	×100	16:30	11 /day	day	11.00			
Transit //evel	2100	11130	35/0/1	day	35.00		-	
Cutting Torch	¥!00	16:30	50/00	do	50.00			
Lift Truck 50'	10100	14:30	-50/m	6	300.00			
Hanel Tools	10100	16:50	" I day	Hay	11.60	Sub Total 370 H.C.	1	395,0
Pick-up Truck	10:00	/p1/35	9/4/	6	54.00	3% H.C		11.80
Passenger Sedan			51/Day	day	51.00	270		
			_16 /mi	280mi	44.80		ľ	
4. TOTAL EQUIPMENT COSTS * Convert,	, to	الماءه (ما	4 Pete	•	929.80	18. TOTAL MATERIAL COSTS	\$	406,85

			lanuar de la companya	
		\mathcal{O}	CONTRACTOR	CONTRACT NUM
S	UBCONTRACTOR REPORT		PEDCO Environmental	68-01-6894
1				DATE MAN IA IG DA
			6894 - 05- 008	Mar 14, 1984
19. SUBCONTRACTOR NAME	20 MOBY OFFICEIRTION	21.SUBCONTRAC	T 23. REMARKS	
15. 55550TTRACTOR NAME	20, WORK DESCRIPTION	AMOUNT	4	
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				4024,05
,	[·			,,,,,
,		Ì	24. CONTRACT CEILING AMOUNT	\$ 500,000.00
•				
			25. TOTAL ESTIMATED CONTRACT COST	S TO DATE \$ 13.87
	<u> </u>	+	,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
22. TOTAL SUBCONTRACT COSTS		\$	26. TOTAL ESTIMATED COSTS TO COMPL	ETE CONTRACT \$ 367, 957.11
I certify that this report is a true and complete reco	ord of the labor, supervision, travel, equipment, n	naterials, and	I certify that this report is a true and complete	record of the labor, supervision, travel.
subcontractors which I ordered and authorized from contract.	in the contractor in the performance of the above	-criso	equipment, materials, and subcontractors prov ance of the above-cited contract.	nided by the contractor in the periorm-
Signature of the Representative	Time Arrived on	Time Departed	Signature of Contractor's Authorized Represe	ntative Date
1 RPM			1 200 11 11 11 11 11 11	
Howill Callin	5/23/84 8:00	16:30	Muchal C Hearf NI	g 5/23/84
EPA Form 1900-55 (1-82)			iginal — On-Scene Coordinater	ليدين ن برديد کرين د د د د د د د د د د د د د د د د د د د

Copy 1 — Contractor Copy 2 — Procurement

HAZARO	PRODUCTION AGENCY OUS SUBSTANCE RESPONSE FUNI ONTRACTOR COST REPORT)———			EN		··	Form Approved OMB No. 2000-0288 Approval expires 8 CONTRACT NUM	<u> </u>
CONT	RACTOR PERSONNEL REPORT		•	-,	ASSIGNM	1 . 05	1BEA - 008	 }	MAY, 15, 198	
			LY LABOR	4. HOURS EMPLOYED		8.	6, TOTAL HOURS			
1. EMPLOYEES ASSIGNED	2. WORK CLASSIFICATION	REGULAR	OVERTIME	FROM	то	BREAK	REGU-	OVER-	7. TRAVEL AND SUBSISTENCE COSTS	8. TOTAL PERSONNEL COSTS
Mike Hessling	Response Mar	52.50		8100	16:30		8	<u>(1)</u>	60	480.00
Dennis Heffron	Carpenter	23.10		1	15:50		8			184,80
Denny Comb	Corpenter	23.10			11:00		#4			92.40
Milo Jushua	Concrete Finisher	31.50		2:00	11:100		8			252,00
Ray Case	Concrete Finisher	31.50			14100		8			252.00
John Borman	Concrete Labor Lulz	23-10			16100		8			184,80
Farl Cummings	Foreman, LVL 3	33.40			15:00		8			268.80
Tom Dewey	Foreman, Lil 3	33.60		8100	16:30		8			268,80
Pete Bornlin	Welder	31.50		2:00	75130		8			252,00
Dong Poberts	Pipalitter	31.50		***10	11130		8			252.00
Bob Pope	Welder	31.50		8100			8			252,00
Jim Lewis	Equipment Op. Lul 2	27.80		750	17100		7			194.60
Play Lewis	B. Mechanic	26.30			15100		7			184.60
Clarence Winter Steen	Truck Driver	18.40		8100	10:00		2			37,80
Richard Hook	Foremon, Lul. 3	33.40		¥:00	16130		90			268.80
Herb' Smith	Electrician	31.50		8100	16:30		8			252.00
Scott Rocksiler	Apprentice Electrician	23.10		11: no	16130		8			194.80
				•						
oce c'Am disupper ou	les: ul						1	TOTAL PL	FRSONNEL COSTS	3861.70

					-	PEDCO Env.	CONTRACT NUMB	() 6894
CONTRACTOR—OWNED EQUIP	MENT/	MATERIA	ALS REPORT	···		ASSIGNMENT NUMBER	DATE	15, 1984
	10. HOU	RS USED	11. COST	12. TOTAL	13. TOTAL			17. TOTAL
9. EQUIPMENT USED	FROM	το ,	PER HOUR	HOURS	COST	15, MATERIALS USED	16. QUANTITY	COST
b-46-14,220 Cot 57-16			411/	<u> </u>		Fuel	1034	7.50
2" Elect. Submersible	00100	24:00	55/00/	des	- 0 - *	Concrete	33 ycl	BILLATE
-Welding Machines (2)	7:00	16:30	90/201	day	180.00	Rebor		B.11 Lot
Tools Weld in etc (Set.)	8:00	16:36	11/00/	ر عال	44.00	Steel Pipe		Bill Late
D.L.	7765	100000	35 · V					
50 I		, , , , , , , , , , , , , , , , , , , 		6/2				
Concrete Bucket	R:00	14:50	35/001	11/2/2	35,00			
TRANSIT	8100	15:00	35/00/	clay	35,00			
STAKE BED-2 TON	8100	16:00	80/01	clay	80,00			
HAND TOOLS	9100	16100	11/00/	Carl	11,00	c 141.4		7,50
CONCRETE VIBRATOR	9:00	16:00	30/00	charl	30.00)		,,,,,,
30 to Truck			A STATE OF THE PARTY OF THE PAR			Subtotàl 370 H.C.		.2∃
50' Lift Truck	ده: وي	12.00	Se collar	1	Z00.00			i
Equipment Van	8;00	16:30	777	1.	75.00			
Hand Tools	¥100	16:30	11/0/01		11:00			
			14/100					1
50-TON Crane	2:00	14:30	85/h	6/2	552.50			
Welding Stands (2 Sets) 30' Lift Truck	8:00		15/dey 45/hr	dog 1	30.00			
SO LITT I PUCK	12:30	16:7U	/hr	4	180.00			
			:			*		
TOTAL EQUIPMENT COSTS -# C onye	لــــــا الد	ار <u>ب</u>	-1.4-		1463.50	18, TOTAL MATERIAL COSTS	•	7. 73

()			0	<u> </u>	CONTRACTOR	CONTRACT NUM	- V204
	SUBCONTRACTOR REPO	ORT	-		PEDCO EAR. ASSIGNMENT NUMBER 6894-05-008	DATE MAY	15,1984
18. SUBCONTRACTOR NAME	20, WORK DE	SCRIPTION	21.SUBCONTRAC	т 23.			<u> </u>
				7			
	1			1			
•							
				1			
							• •
							S332.93
, ,				24. 0	CONTRACT CEILING AMOUNT	···	\$ 500,000.00
			}	26. 1	TOTAL ESTIMATED CONTRACT COS	S TO DATE	137,375.87
22. TOTAL SUBCONTRACT COSTS		·	•	26. 1	TOTAL ESTIMATED COSTS TO COMP	LETE CONTRACT	* 362, 231.18
i certify that this report is a true and complete subcontractors which I ordered and authorized contract.				equit	tify that this report is a true and completement, materials, and subcontractors proof the above-cited contract.	te record of the labo vided by the contra	r, supervision, travel, ctor in the perform-
Signature of Representative	//	Time Arrived on Scene	Time Departed	Sign	eture of Contractor's Authorized Represe	intative	Date 5/23/64
	5/28/84	8:00	16:30	ــــــــــــــــــــــــــــــــــــــ		ace .	1 3/84
EPA Form 1900-55 (1-82)	'		Co	apy 1	- On-Scene Coordinator / - Contractor - Procurement	_	Page 3 of 4

HAZARI	VIRONMENTAL PROTECTION AGENCY DOUS SUBSTANCE RESPONSE FUN CONTRACTOR COST REPORT	<u> </u>			PED	C. E	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	-	Form Approve. 0281 No. 2200-0281 Approval expires 8:3	
	TRACTOR PERSONNEL REPORT					ENT NUM			M AY	14, 1984
		3. HOURLY		4. H	OURS OYED	5,	6, TOTAL HOURS			
1. EMPLOYEES ASSIGNED	2. WORK CLASSIFICATION	REGULAR O	VERTIME	FROM	то	BREAK	REGU-	OVER- TIME	7. TRAVEL AND SUBSISTENCE COSTS	8. TOTAL PERSONNEL COSTS
TOM Dewey	Foreman Level 3	33.40		F;00	13130	·	8			268.80
Loyd Cass beer	Pose litter	31.50		8:00	16:30		8			252.00
Bob Pope	Welder	31.50		8:00	15:30		8			252.00
Pete Bornum	Welder	31.50		8:00	14:30		8			257.00
Mike Barnum	Pizeliter	31.50		0:00	12150		8			252.00
Doug Roberts	Welder	31.50		8:00	13130		8			252.00
Roy Hansen	Pipe Pitter	31.50	" · · ·	8:00	16:30		8			257,00
Grary Heckman	Pipeliter	31.50		8100	•		3			252.00
Mike Hessling	Response Manager	52.50	····	8100	16130		જ	35	40	480.00
Earl Cummings	Foreman, Level 3	33.60		13.12	16430		3			268.80
Dennis Heffron	Carpenter	23 10			16130		8			184.80
Milo Lashua	Iron Worker	31.50		1160	14:35		%.			252.00
Ray Case	Iron Warter	31.50		S. 10	11135		8			252.00
John Boaman	Laborer	15,80		8.00	15134		8.			126.40
Richard Hook	Faremen Level	33.1,0		12500	16550		4 /2			1:1.20
Herb Smith	Electricion	31.50			16:30		<u>&</u>			252100
Scott Rodesiler	Apprentice Electricion	23.10		7,39	1-130	 	<u> </u>			184.80
								}		
					Ì			1		
										1
				*						
Down E'RN downer on	<u></u>				J	1	 	J	ERSONNEL COSTS	4/84.80

orm 1900-55 (1-82)

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

Page 1 of 4

	**	· · ·			- O	CONTRACTOR	CONTRACT NUME	
CONTRACTOR—OWNED EQUIP	PMENT/	MATERIA	ALS REPORT			ASSIGNMENT NUMBER	DATE MAY	16,1982
9. EQUIPMENT USED	10. HOL	TO	11. COST PER HOUR	12, TOTAL HOURS	13. TOTAL COST	15. MATERIALS USED	16. QUANTITY	17, TOTAL COST
Weller . Machine (Flet)	8:00	16:20		Jan	90,00	FUEL	270/	10.00
Weld in Machine (Elect)	8:00	16:30	20/20	cl., !	90,00	Other Pape		B.LL Lote
Veldag Machine (Cos)	8:00	16:30	20/35	101	90,00			
17. Tools (B Sets)	8:00	16130	11/801	de 1	44.00			
Welding Stands (3 Sets)	8:00	16:30	15/doy	-1,-1	45.00	- / / / /		
EQUIPMENT TRUCK	8:00	16:30	75/clay	001	75.00	Sub total 3% H.C.		10.00
HAND TODLS	8:00	16:30	11/clay	did	11.00	3% H.C	;	,30
Lieuten 20'			45/4					
LIET TRUCK 50'	8:00		50/hr	4	200.00			
Stake Bul Z TON	8:00	15:30	۸,	Jay	53,00			
Hand Tools	8122 8100	16 (30 15:30	11/201	clay 2011	::0.00			
LIFT TRUCK 30'			45/hr	4	11,00 180,00			
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14. TOTAL EQUIPMENT COSTS		•		8	966.00	18. TOTAL MATERIAL COSTS	\$	10,30

O	SUBCONTRACTOR REPORT	0	CONTRACTOR PEDC. Env. ASSIGNMENT NUMBER 6894-05-008	CONTRACT NUMI (8-01-6894 DATE MAY 16, 1984
19. SUBCONTRACTOR NAME	20. WORK DESCRIPTION	21.8UBCONTRACT	23. REMARKS	
JACK SAFE	WALL FORMS Installed Stripped ccleaned	10,922.00		
	3% H.C.	327.66		
ı				16,410.76
\(\frac{1}{2}\)		1 +	24. CONTRACT CEILING AMOUNT	\$ 500,000.00 786.5
22. TOTAL SUBCONTRACT COSTS	<u> </u>	 	25. TOTAL ESTIMATED CONTRACT COS	* /53, ************************************
	record of the labor, supervision, travel, equipment, ma from the contractor in the performance of the above-	eterials, and cited	certify that this report is a true and complete confidence of the above-cited contract.	ete record of the labor, supervision, travel
PA Form 1900-55 (1-82)	Time Arrived on Scene	Time Departed	Higher of Contractor's Authorized Repre Muchael Stanfunky Inal - On-Scene Coordinator	1 = /

HAZARDO	RONMENTAL PROTECTION AGENCY OUS SUBSTANCE RESPONSE FUN NTRACTOR COST REPORT			-	CONTRA	o EN			Porm Approved OMB No. 2000-028 Approval expires 8- CONTRACT NUMB LB - O/-	
CONTR	ACTOR PERSONNEL REPORT					MENT NUMBER 74 - 05- 008			MAY I	7,1984
		3. HOURI	LY LABOR ATE	4. H EMPI	OURS OYED	5.	6. TOTAL HOURS			1
1. EMPLOYEES ASSIGNED	2. WORK CLASSIFICATION	REGULAR OVERTIME		FROM	то	BREAK	REGU-	OVER-	7. TRAVEL AND SUBSISTENCE COSTS	8. TOTAL PERSONNEL COSTS
Hike my Hessling	Response Mar.	52.50	64.10	1330	18,00		8	2	60	608.20
Tom Dewey	Foreman, Lul 3.	3 5.6 0	43.00	7:30	18:00		8	2		\$ 535,00
Cary Heckman	Pipe litter	31.50	42.00	7:30	18:00		8	2		336,00
Roy Hansen	Pipelitter	31.50	42.00	7/25	14:100		8	2		336,00
Loyd Cassberr	Pipelitter	31.50	42.00	7:50	15702		8,	2		336.02
Doug Roberts	Welder	31.50	42.00	7/30	12:00		8	2		336.00
Pete Bornum	Welder	31.50	42.00	7:30	18:00		2	2		336,00
Bob Pope	Welder	31.50	42.00	7/30	18:00		8	2		336.00
Mike Barnom	Ppeliter	31.50	42.00	16:00	17/00		₩2	N.		63.04
Rich Budrue	EQUIPMENT Oplule	27.80		8100	16:30		8			272.42
Earl Commings	FOREMAN LUI 3	33.40		8,00	16330		8			268.80
DennisHeffron	Corpenter	23.10		Elm	16130		8			194, 80
Dennis Combs	Carpenter	23./0		نن: بر	10,00		2			46.20
Ray Case	Iron Worker	31.50		8100	16:30		8			252.00
Milo Lashun	Iron Worker	31.50		7:00	16:30		8			257.00
John Boaman	Laborer	15.80		\$; 0 0	16:30		8			126.40
Richard Hook	Foreman, Lul.3	33.60		3110	13:00		5'			168.00
Herb Smith	Electrición	31.50		1:00	15:50		8			252.00
	Apprentice Electricion	2B.40		1:00	11:130		8	_		184.80
Jim Davis	Truck Driver	18.90		Ì	12:30		2			37.80
Ray Devis	Mechanic	26.30		11:0	12;30		Z			82.60
CXC 5 RM disagree a							l	OTAL P	ERSONNEL COSTS	5092.00

0. HOUIFROM 7:30 7:30	70 70 18:00	1 1 2 7	12. TOTAL HOURS	13. TOTAL COST	ASSIGNMENT NUMBER 10 74-65-008 16. MATERIALS USED	18. QUANTITY	17, 198
7:30 7:30 7:30	TO 18:00 18:00	cost PER HOUR 90/clay	TOTAL HOURS	TOTAL COST			TOTAL
7:30	18:00	70/Jey	-, ,	180,00	<u> 1</u>	100	
11,00			la		Fuel	18gal	22.5
	14:30	200	100/	90.00	Top Screws	100	5.10
1130		221 Jelan	doy	221.00	Steel Pipe & Fittings		Biller
	19:00	11/day	day	62.00 *	Lumber		Bill Late
130	18100	15/Jay	doy	45.00	Steel Beams	3	Bill Late
7:30	18;00	50/064	DAY	100,00			
العة!'	18:00	10 /day	ciaj	20,00			
1100	16:30	75/001	001	75.00			
7:00	16:50	330/day	day	330,00			
100	16130	11/day	day	9.00	Sub total		27.60
neo .	16:50	35/Ja/	184	35,00	25 111		, 83
:00	1::30	11/de)	Joy_	4.00	3/44.61		
2100	16:30	50/10	day	50,00			
دوال	16150	80/de1	da	80,00			
01.30	/2:30	85/hr	2	170.00	· ·		
• 00			week		•		
		470/JL58	week	1880.00			
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				· · · · · · · · · · · · · · · · · · ·	.		
JOAN!	tal to	Weakly	•	74-4-00	8. TOTAL MATERIAL COSTS	•	28.43
	130 130 100 100 100 100 100 100 100	130 18;00 130 13:00 100 16:30 100 16:30 100 16:30 100 16:30 100 16:30 100 16:30 100 16:30 100 16:30	130 18:00 10/18y 1:00 16:30 75/001 1:00 16:30 330/day 1:00 16:30 11/day 1:00 16:30 35/day 1:00 16:30 11/day 1:00 16:30 50/day 1:00 16:30 80/day	130 18:00 50/dey Out 130 18:00 10/dey doi 1:00 16:30 75/doy day 1:00 16:30 330/dey day 1:00 16:30 35/dey day 1:00 16:30 35/dey day 1:00 16:30 50/dey day 1:00 16:30 50/dey day 1:00 16:30 50/dey day 1:00 16:30 80/dey day	130 18:00 50/sey Our 100,00 130 18:00 10/34 doil 30.00 1:00 16:30 75/doy doil 75.00 1:00 16:30 330/day day 330,00 1:00 16:30 11/day day 35.00 1:00 16:30 35/day day 35.00 1:00 16:30 50/day day 50.00 1:00 16:30 50/day day 50.00 1:00 16:30 80/day day 50.00 1:00 16:30 80/day day 50.00 1:00 16:30 80/day day 1000	130 18:00 60/day day 20:00 130 16:00 10/day day 330.00 100 16:30 330/day day 330.00 100 16:30 35/day day 350.00 100 16:30 35/day day 35.00 100 16:30 35/day day 35.00 100 16:30 50/day day 35.00 100 16:30 80/day day 35.00 100 16:30 80/day day 35.00 100 16:30 80/day day 30.00 100 2400 270/db week 72.00 100 2400 270/db week 1880.00	130 18:00 60/sley day 20:00 130 18:00 10/day day 20:00 130 16:50 75/doi day 330,00 100 16:50 35/day day 35.00 100 16:50 35/day day 35.00 100 16:50 35/day day 35.00 100 16:30 11/day day 35.00 100 16:30 11/day day 35.00 100 16:30 11/day day 50.00 100 16:30 80/day day 50.00 100 16:30 85/hr 2 170.00 100 2400 270/c/f week 22000

C			CONTRACTOR , CONTRACT NU	MBFR
Still	BCONTRACTOR REPORT	\mathcal{O}	PEDLO Environmentel 168-01-	J94
}		_	ASSIGNMENT NUMBER DATE	17, 1984
		21.SUBCONTRAC		11,1907
19. SUBCONTRACTOR NAME	20. WORK DESCRIPTION	AMOUNT	_	
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į.		1	24. CONTRACT CEILING AMOUNT	\$ 500,000.00
· · · · · · · · · · · · · · · · · · ·				162483.01
		İ	25. TOTAL ESTIMATED CONTRACT COSTS TO DATE	
22. TOTAL SUBCONTRACT COSTS		8	26, TOTAL ESTIMATED COSTS TO COMPLETE CONTRACT	337,516.99
I certify that this report is a true and complete record subcontractors which I ordered and authorized from contract,	d of the labor, supervision, travel, equipment, m the contractor in the performance of the above	neterials, and -cited	I certify that this report is a true and complete record of the labor equipment, materials, and subcontractors provided by the contra ance of the above-cited contract.	or, supervision, travel, ctor in the perform-
Signature of COST Representative	Time Arrived on Scene	Time Departed	Signature of Contractor's Authorized Representative	Date
o il Malai	5/23/84 15:30	18:00	Michael Geosfines	3/23/84
EPA Form 1900-85 y-82)	-1-0101		iginal — On-Scene Coordinator	
		Co	py 1 — Contractor py 2 — Procurement	Page 3 of 4

160,603.01 339,396.99

HAZAF	NVIRONMENTAL PROTECTION AGENCY IDOUS SUBSTANCE RESPONSE FUI)		CONT HA	CTOR . Env	ronme	ntal	Form Approved OMB No. 2000-028 Approval expires 8-CONTRACT NUMB.	
	CONTRACTOR COST REPORT ITRACTOR PERSONNEL REPORT	<u> </u>			ASSIGNM	ENT NUM	BER		DATE	18.1984
		3, HOUR	3, HOURLY LABOR FATE			5.	6. TOTAL HOURS			
1. EMPLOYEES ASSIGNED	2. WORK CLASSIFICATION	REGULAR	OVERTIME	FROM	то	BREAK	REGU-	OVER- TIME	7. TRAVEL AND SUBSISTENCE COSTS	B. TOTAL PERSONNEL COSTS
Mike Hessling	Response Manager	52.50	64.10	eiro	18:30	30	8	Z	60	408.20
Tom Dewey	Foreman, Level 3	33.40	44.10	07:30	18:00	30	8	2		357.00
Bob Popk	Welder	31.50	47.00	14'00	18:00	_	4			176.00
Harold Burk	Walder	31.50	42.00	μľ.αυ	18:00		4			124.00
Doug Roberts	Welder	31.50	42.00	07:30	18:00	30	જ	Z		336.00
Loyd Casebeer	Pipefitter	31.50	42.00	07:30	18:00	30	8	2		336.00
Pete Barnum	Welcher	31.50	42.00	c 7:30	18:00	30	8	2		336.00
Mike Barnum	Pipetitter	31.50	42.00	o7:35	12:00	30	৪	2		356.00
Ray Honson	Pipefitter	31.50	42.00	07:30	18:00	30	8	2		334.00
Gary Heckman	Pipefitter	31.50	42.00	07:30	18:00	30	প্ত	2		336.00
RICK Bulne	Euro Op.	27.80	37. 80	06:00	16:30	30	છ			222.40
Earl Cummings	Foreman Level 3	33-40	44,10	08:00	17. 30	30	\$	1		312.90
Dennis Heffron	Corpenter	23.10	31.50	08:00	17:30	30	જ	'		216.30
Milo Lashua	Carpenter	23./0	31.50	08:W	17:30	30	8	1		216.30
Dennis Comps	Concrete Laborer	23.10	31.50	180	17:30	კა	ं	1		716.30
Ray Case	Concrete Finisher	300	47.00	08.00	17!30	30	8	1		294.00
John Boaman	· Concrete Lacurer	23.10	31-50	0 800	17:30	30	8	1		216.30
Roy Daris	' Equipment Operator	27.80	37.80	0:800	17:00	კა_	8	1/2		241.30
Jim Davis	' Mechanic	76.30	34.70	0:600	17:00	ઢ૦	8	1/2		227.75
Dick Hook	Foreman, Level 3	33.60			12:00		3_			100.80
Herb Smith	' ELECTRICIAN	31.50	42.00				3			94.50
Pam Paul	Clerk/Typist	15.80	u	VEFKI	1 HRS		10		<u> </u>	158.00
Ose/Ann & RA disser	′'			•				TOTAL P	ERSONNEL COSTS	5750.05

ERM dissuit on

		,		· <u> </u>		0			(O
	CONTRACTOR—OWNED EQUIP	PMENT/I	MATERIA	ALS REPORT				CONTRACTOR PEDCO Environmento. ASSIGNMENT NUMBER 6894-05-008	DATE	- 16894 18,1984
	9, EQUIPMENT USED	10. HOU	TO	11, COST PER HOUR	12, TOTAL HOURS	13. TOTAL COST		15. MATERIALS USED	16. QUANTITY	17. TOTAL COST
-4	Weld in Machine (Elect.)	7:30	18:00	90/day	day	90.00	Col	ALC TITE	50 yel.	Bill Later
P4	Welling Machine (Cas)	7.20	18100	90/day	day	90.00	Gin	·····	3 yel	Bill Later
2	Welling Machine (Elect.)	7/30	18:00	90/day	day	90.00	STA	el Ape	Misc.	BillLater
ام	2 Ton Stake Bed	10:00	14:30	C (h)	4	44.00				
	Hand Tools (\$5sts)			11/clay	day	29.00 ¥				
2	Front End Lucher	7:30	18:00	331/Jay	day	331.00		·····		
2	Cutting Torcho (2)	7130	18/00	50/Ja	day	100.00	ļ			
12	Chrosing Machine	7/3¢	18:00	45/Jay	day	45.00				
3	Welding Stonels (3 Sets)	7/30	18:00	15/00/	day	45.00				
PI	Band Sow	7:30	18:00	20/Jay.	day	20.00		•		
>	50 Ton Crans	8:00	15:30	85/hr	1 plan	595.00				
s		8:00	15:30		<u> </u>	35.00				
15	2 Ton Stake Bal		18:00		001	40.00				
15		7/30		11 day	doy				1	t.
۱'	Concrete Vibrator	7130	18100		day	30.00				
•	EQUIPMENT TRUCK	8:∞		10/	15	70.00				
>5	HAND TOOLS	7:30		11/0/07	day	·				
۱, ۹	TRANSIT			35/day	Ale.	35,00				
וכ	SIDE GRINDERS	7:30	18:00	11 /Jaj	Jay	22.00				
j				'	· ·					
-				-		1731				0-
1	14. TOTAL EQUIPMENT COSTS				.		IS. TOTA	L MATERIAL COSTS	· · · · · · · · · · · · · · · · · · ·	<u> </u>

EPA Form 1800-85 (1-82) # 4 Sets now on weekly
Z Sets Counting to Weekly
Weekly Rate

Sui	BCONTRACTOR REPORT	0	CONTRACTOR PEDC. ENK ASSIGNMENT NUMBER 684-05-008	CONTRACT NUMBER (8-0)- 94 DATE MAY 18, 1984
19. SUBCONTRACTOR NAME	20. WORK DESCRIPTION	21.SUBCONTRACT 23	3. REMARKS	
				i
1				
				•
				,
	·			
				1481.05
,		24	CONTRACT CEILING AMOUNT	\$500,000.
	······································	25	. TOTAL ESTIMATED CONTRACT COS	TS TO DATE
22. TOTAL SUBCONTRACT COSTS		\$ 26.	TOTAL ESTIMATED COSTS TO COMP	LETE CONTRACT
I certify that this report is a true and complete record subcontractors which I ordered and authorized from contract.	d of the labor, supervision, travel, equipment, m the contractor in the performance of the above-	-cited equ	ertify that this report is a true and comple uipment, materials, and subcontractors pro ce of the above-cited contract.	te record of the labor, supervision, travel, vided by the contractor in the perform-
Signature of OSC Representative Menuil M. Caplain	5/31/84 Time Arrived on Scene 7:30	Time Departed Sig	Mohat Stant	- 5/3/ca
EPA Form 1900-55 (1-82)		Copy 1	al — On-Scene Coordinator — Contractor — Procurement	168,045.06 Page 3 of A 331, 904.54

Porm Ap	2000-02F	K _
Approval	expires '	18:

HAZAR	IVIRONMENTAL PROTECTION AGENCY DOUS SUBSTANCE RESPONSE FUNI CONTRACTOR COST REPORT	0)			o Env			OMB No. 2000-028 Approval expires CONTRACT NUMBER	
	TRACTOR PERSONNEL REPORT					- 05 -			MAY /	9,1984
					OURS OYED	5.	6. TOTAL HOURS		7. TRAVEL AND	
1. EMPLOYEES ASSIGNED	2. WORK CLASSIFICATION	REGULAR	OVERTIME	FROM	то	BREAK		OVER- TIME	SUBSISTENCE	8. TOTAL PERSONNE COSTS
Mike Hessling	Response Mar. "	52.50	64.10	C300	18:00			0	100	701.00
Tom Dewey	Foreman Lul 3.		44.10	67:30	1800	30		10		441.00
Doug Roberts	Foreman Lvl. 3	ļ	44.10	07:30	18:00	30		10		441.00
Scoff Buck	Pipelitter	'	42.00	<i>Մ</i> 1:3ა	18) 00	30		10		420.00
3ill Williams	Weder		42.00	67:30	18:00	35		10		420.00
Terry Jasper	Pipe fitter		42.00	07:3U	15:00	30		10		420.00
Bill Smith	Weleter		42.00	07:3a	18200	30		10		420.00
Al Brockway	Pipelitter "		42.00	g:30	18;∞	30		10		420.00
Pete Barnum	Welder		42.00	UT:30	19:00	30		10		420.00
Mike Barnom	Pipelitte-		42.00	07:30	18:00	30		10	<u></u>	420.00
Pou Hanson	Pipelitter '		42.00	07730	18200	3ა		10		420.00
Gary Heckman	Pipe fitter		42.00	oi.30	18:00	30_		10		420.00
Loyd Cose beer	Pipa Pitter		41.DU	<i>(ŋ:3</i> ∪	18:00	30		10		420 00
Larry Aklaus	Equipment Operator	•	37.80	07.'30	17:00	30		9		340.20
								<u> </u>		·
										:
				'n						
ATIM/GS & RIN SUSPENSE Form 1900-85 (1-82)	on level	Original -	- On-Scene Co				T	DTAL P	ERSONNEL COSTS	6173.2

 C	<u> </u>	<u> </u>				CONTRACTOR	CONTRACT NUMB	
CONTRACTOR-OWNED EQUI	DAJEAITA	MATERI	AI C DEBART			PEDCO ENY	108-01-6	<u>894</u>
CONTRACTOR—OTHER EGO!	FMENI/	MAIEK!/	ald reputi			ASSIGNMENT NUMBER	DATE	9 1004
						6894-05-008	1-IAP I	9,1984
	10. HOU	JRS USED		12.	13.			17.
9. EQUIPMENT USED	FROM	то	COST PER HOUR	TOTAL HOURS	TOTAL	15, MATERIALS USED	16, QUANTITY	COST
relating Machine	7:30	18:00	90. /Jaj	day	80.00*	Fuel	15 gal	18.75
Delcting Machine	7/30	18:00	90/Ja,	Joy	80.004			
Jelding Machine	7:30	18100	90/day	day	90.00		{	i
lelaling Mochine	7:30	19:00	90/day	dey	90.00			
ADDERS (3)	7/30	18:00	5/day	day	15.00			
TAND TOOLS (Sets)	7:30	18:00	11 /day	clay	11.0° ##	•		
Jelding Stonds (45cts)	7:30	18:00	15/Sdy	day	30.00 THY	ملا ب		
SIDE CHINDERS (2)	7:30	18100	"/day	day	22.00	39. H.C.		.57
UTTING TORCH	7/30	18:00	50/Sey	day	50,00			
UTTING TORCH	7/30	18100	50/eley	dey	50.00			
GRODVING MACHINE	7/30		45 /Jay		45.du			
FRONT END LOADER	7130	14:00	331/Lly	8(24)	331.00			
5-TON CRANE	16:00	18:00	50/hr	2	100.00			1
	}	}	i					
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•			1					
		}	ł				1	
		ļ 1						
						*		
*Convertotal Equipment Costs 4.4 4 5ct	they to	Week	7 17476			IS, TOTAL MATERIAL COSTS		19.32
TOTAL EQUIPMENT COSTS ## 4 507	3 0/144	y wee	. k. hj		994.00	Original - On-Scene Coordinator		<u>, , , , , , , , , , , , , , , , , , , </u>

U	CHROONTRACTOR REPORT	0	CONTRACTOR PEDC - ENVIRONMENTAL.	CONTRACT NUMBER 68-01-64		
	SUBCONTRACTOR REPORT		ASSIGNMENT NUMBER 6894-05-008	MAY 19, 1984		
19. SUBCONTRACTOR NAME	20. WORK DESCRIPTION	21.SUBCONTRACT 2	3. REMARKS			
		1				
	·					
		1				
		- (
				·		
		1		7/36.52		
)		24	, CONTRACT CEILING AMOUNT	\$500,000.00		
		25	. TOTAL ESTIMATED CONTRACT COST	\$ TÓ DATE \$177,100.58		
22. TOTAL SUBCONTRACT COSTS		\$ 26	. TOTAL ESTIMATED COSTS TO COMPL	ETE CONTRACT 327 37.42		
certify that this report is a true and comple subcontractors which I ordered and authorize contract.	te record of the labor, supervision, travel, equipment, med from the contractor in the performance of the above	-cited eq	ertify that this report is a true and complete uipment, materials, and subcontractors proceed of the above-cited contract.	e record of the labor, supervision, travel, yided by the contractor in the perform-		
Signature of OSC Representative	Time Arrived on Scene 1/1/1/ 5/3//84/ 8100	Time Departed Sig	Macked Chest	5/2/01		
EPA Form 1900-55 (1-82)	and for	Origin	al — On-Scene Coordinator	Page 3 of 4		

175,231.58 324,748.42

					`	_			Form Approved OMB No. 2000-0284 Approval expires	\ss
HAZAF	NVIRONMENTAL PROTECTION AGENCY RDOUS SUBSTANCE RESPONSE FUND CONTRACTOR COST REPORT					O EAR		ENTAL	68 - 01-	A
	NTRACTOR PERSONNEL REPORT					1- 05		}	MAY 2	0, 1984
			LY LABOR ATE	4. H EMPI	OVED 5.		6, TOTAL HOURS		-7. TRAVEL AND	8. TOTAL
1. EMPLOYEES ASSIGNED	2. WORK CLASSIFICATION	REGULAR	OVERTIME	FROM	то	BREAK	REGU-	OVER- TIME	SUBSISTENCE COSTS	PERSONNEL COSTS
Mike Hessling	Response Manager "		64.10	845	100 B			8	40	572.80
Tom Dewey	Foreman Level 3 .		44.10	07'30	L:00	30		8		352.80
Doug Roberts	Foreman Level 3		14.10	07/30	16:00	30		8		352.80
Al Brockway	Pipe fitter "		42.00	67/30	16:00	38		8		334.00
Gary Heckman	P.pefitter .		42.00	67:30	16.00	30		8		336 00
Roy Hanson	Pipefitter :		42.00	67:30	16; oc			8		33/0.00
Bill Williams	Welder		42.00	07:30	16:00			8		334.00
Scott Buch	Pipelitter		42.00	01:30	16:00			8		33400
Pete Bornum	Welder		42.00	07.30	16:00			8	٠,	334.00
Mike Barnum	Pipefiller		42.00	ن 3 : 70	16:00			8		334.00
Bill Smith	Welder		42.00	67.30	300			5/2		231-00
Terry Josper	Pipefitter		42.00	67:30	(6:00			8		336.00
Loyd Casebeer	Pipelitter .		42.00	07:30	(b: 00			8		334.00
Howard Westrick	Pipefitter .		42.00	U7:30	(6:00			8		334.00
Bob Pope	Pipefitter .		42.00	01:30	(6: 00			8		336.00
Harold Burk	Welder	<u> </u>	42.00	67:30	16:00			8		334.00
Larry Anklam	Equipment Op. Lul. 2		37.80	19/3c	16.00	ļ		8		302.40
4										
			ŀ		:					
								<u> </u>	<u> </u>	
@ RAMIOS & RAM des	ease on kirch							TOTAL P	ERSONNEL COSTS	5843.80
PA Form 1900-55 (1-82)			- On-Scene Co - Contractor	ordinator						Page 1 of

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

				- O	CONTRACTOR	CONTRACT NUMB	
CONTRACTOR—OWNED EQUI	PMENT/MATE	RIALS REPORT			ASSIGNMENT NUMBER US94-05-009	DATE MAY 2	6894 20, 1984
9. EQUIPMENT USED	10. HOURS US	COST	12. TOTAL HOURS	13. TOTAL COST	16. MATERIALS USED	16. QUANTITY	17. TOTAL COST
Welding Machine	7:30 16:	00,90/da,	day	*	Fuel	16 gel	20.0
Welding Machine		090/day	day	_ *			
Welding Machine	7/30 /6/	20/doi	day	80.00*			
Welcling Machine	7190 16:0	0 90/day	day	90.00			
Welding Machine	7130 16:	00 90/day	day	90.00			•
Greening Machini	7/30 /6:0	,0 45/day	day	45.00			
Hand Tools (4 Sets)	7/30 /6:	00 11 / Non;	10/	20.00	37. HC		.6
Ladders (3)	7130 1610	00 5/day	day	15.00			
Siele Grinchers (2)	7/30 /6:0	o"/day	day	22.00			
Front Encl Lowler	8100 1/10	0 47 /hr	1/3	141.00			
Crang -15@ Ton	18100 /61	50 /hr	1/5	250.00			:
Welching Stands (55cts)	7:30 16:0	0 15/day	day	30.0V***			
	 		 				
7 1				٠.			
				'	•		
]						
			}		<i>r</i>		
TOTAL EQUIPMENT COSTS ## FITH	Rete Set to h	Jeak IV D. to		783.00	8. TOTAL MATERIAL COSTS	s 20.	40
A Form 1900-55 (1-82) *** Three	Set 70 4	Jeckly Rote		10 3.00	Original — On-Scene Coordinator Copy 1 — Contractor		Page

			^	CONTRACTOR	CONTRACT NUMBER
1 0	CHECONTE A CTOR DERO	NO.T	\mathbf{O}	PEDC. ENVIRON.	68-01-)894
	SUBCONTRACTOR REPO	'n i	_	ASSIGNMENT NUMBER	DATE
				6894-05-008	MAY 20, 1984
19. SUBCONTRACTOR NAME	20. WORK DES	SCRIPTION	21.8U8CONTRACT 23	. REMARKS	
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					6647.40
	1		 		100-7:
) •	1		24.	CONTRACT CEILING AMOUNT	\$500,000.00
*	j				
			25.	TOTAL ESTIMATED CONTRACT COST	\$ TO DATE \$183,747.98
22. TOTAL SUBCONTRACT COSTS	<u> </u>		\$ 26.	TOTAL ESTIMATED COSTS TO COMPI	ETE CONTRACT \$3/6,252.02
I certify that this report is a true and compi subcontractors which I ordered and authori contract,	lete record of the labor, supervision, ized from the contractor in the perfo	travel, equipment, me irmance of the above-t	ci ted equ	ertify that this report is a true and complet sipment, materials, and subcontractors pro se of the above-cited contract.	vided by the contractor in the perform-
Signature of OSC Representative Aniel M. Cash	10; 5/3/84	Time Arrived on Scene	Time Departed Sig	Michael C feet	mative Date 5/3/24
EPA Form 1900-55 (1-82)			Origina Copy 1	al On-Scene Coordinater Contractor - Contractor - Procurement	Page 3 of 4

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Porm Ap	2000-U285	
OMB NO.	, 2000-0286	
A pprova	expires P	- 83

US ENVIROR	MENTAL PROTECTION AGENCY	 O			CONTRAC	TOR			Approval expires P CONTRACT NUM	<i>y</i>
	SUBSTANCE RESPONSE FUND RACTOR COST REPORT)			PECC.	-		ITAL	68-01-	6894
	CTOR PERSONNEL REPORT	•		•	ASSIGNM		- 008		DATE MAY 2	1, 1984
		3. HOURLY LABOR			OURS OYED	6.	6, TOTAL HOURS		7. TRAVEL AND	8. TOTAL
1. EMPLOYEES ASSIGNED	2. WORK CLASSIFICATION	REGULAR	OVERTIME	FROM	то	BREAK TIME	REGU-	OVER- TIME	SUBSISTENCE COSTS	PERSONNEL COSTS
MIKE HESSLING	Peaponse Manager	52.50	64.10	7/30	17:00		8	1	60	544.17
~ ^	Foremon, Level 3 '	33.40	44.10	7/30	17100		8	(312.90
Loyal Casebeer	Pipefitter "	31.50	42.00	7/30	17:00		8	ı		294.00
	Welder	31.50	12.00	7/30	17:00		8	1		294.00
Gary Heckman	Pipefitter "	31.50	42.00	7/30	17100		8	1		294.00
	Pipefitter :	31.50	42.00	7/30	17:00		8	1		294.00
Bob Pope	Welcher	31.50	42.00	7/30	17100		8_	1		294.00
	Welder "	31.50	42.00	7:50	17:00		8	1		294.00
Mike Bornum 1	Pipelitter	31.50	42.00	7/30	17/00		8	1		294.00
Larry Anklum	EQUIPMENT OR LULZ'	27.80	37. 80	7,30	17:00		8	/		240.20
_	Truck Driver .	18.90	27.30	14/00	15:00		ı			18.90
. /	Equipment Op Lulz "	27.80	37.80	14:00	15,00		1			77.80
/l . PB	Mechanic "	26.30	34.70	14:00	15:00					26.30
	FOREMAN LVI 3	33.40		8:00	16:30		8	ļ		768.80
	Electrician .	31.50		8:00	16130		8			252.00
Larry Careen Field E	Electrician	3150		8/00	16:30		8			7.52.00
	· · · · · · · · · · · · · · · · · · ·									
							<u> </u>	-		
				7.	,			 -		<u> </u>
	and the land				· · ·	<u></u>		TOTAL P	ERSONNEL COSTS	4021.
RON 1050 5 RM dings	coe on seize.	Original -	On-Scene Cor Contractor	ordinator						Page 1

			·		-	CONTRACTOR	CONTRACT NUM	<u> </u>
CONTRACTOR, OWNER CO.	N44541				~	PEDCO Environmental	68-01-	
CONTRACTOR—OWNED EQUI	PMEN I/	MATERIA	ALS REPURT			ASSIGNMENT NUMBER	DATE	
						16894.05-008	MAY Z	1984
	10. HOL	IRS USED	11.	12. TOTAL	13. TOTAL			17.
9. EQUIPMENT USED	FROM	то	COST PER HOUR	HOUMS	COST	16. MATERIALS USED	16. QUANTITY	TOTAL COST
Welding Machine	7/30	17:00	90/201	doy		Fuel	894	10.00
Welding Machine	7/30	17:00	90/10	dos	_	STEEL PIPE FITTINGS	Misc	Bill Lata
Welding Machine	7:30	17:00	90/20	day				
Ladders (3)	7/30	17:00	5/Jay	day	15.00			
Hand Tooks (4 Sets)	7:30	17:00	11/clay	day	22.00			!
Sicle Crimbers (2)	7:50	17:00	11/day	day	18.00			
Grooving Machine	7:30	17.00	45/clay	day	20.00			
Front Enl Lowler	8;00	10100	47/hr	2	94.00			
Crane 15 Ton	10:00	16;30	50/hr	6	300.00	? 3% H.C		.30
Welding Stands (35cts)	7150	17/00	15/clay	day				
Band Sow	7:30	17:00	zoldoj	day	22.00			
Power Threater	7/30	17100	20/clay	day	20.00			
Stake Bel 2 Ton	8:00	12:00		4'	14.00			
Hand Tools	71:30		"/dag	dey	11.00			
EQUIPMENT TRUCK	7:30	17/00	15/day	day	75-00			
STAKE BED Z TON	14/100	15/00	16/hr		16.00			
To Co.			/1			,		
50 TON CRAVE	14:00	15100	85/hr		85.00	<u>'</u> .		
			į					
						<u>, </u>		
. TOTAL EQUIPMENT COSTS				•	760 db	18. TOTAL MATERIAL COSTS	\$	10.30

O sun	BCONTRACTOR REPORT	0	PEDC. ENVIRONMENTAL	ONTRACT NUMBER
	Joseph Marion Ma		ASSIGNMENT NUMBER	MAY 21 1984
19. SUBCONTRACTOR NAME	20. WORK DESCRIPTION	21.SUBCONTRACT 23.		166
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				1
į				
				479130
, ,		24.	CONTRACT CEILING AMOUNT	\$500,000.00
		25.	TOTAL ESTIMATED CONTRACT COSTS	188,534.28 \$
22. TOTAL SUBCONTRACT COSTS		\$ 26.	TOTAL ESTIMATED COSTS TO COMPLE	TE CONTRACT \$ 3/1,460.72
certify that this report is a true and complete record subcontractors which I ordered and authorized from contract,	d of the labor, supervision, travel, equipment, m the contractor in the performance of the above	-cited equi	rtify that this report is a true and complete repment, materials, and subcontractors provide of the above-cited contract.	ecord of the labor, supervision, travel, ed by the contractor in the perform-
Signature of OSC Representative Anniel M. Laglici	5/31/84 Time Arrived on Scene 7/30. "	- P	eture of Contractor's Authorized Represent	in Date 5/31/84
EPA Form 1900-55 (1-82)	1-101	Original Copy 1		26 6 7 0 - 7 % Page 3 of 4

315,764.72

	FORMENTAL PROTECTION AGENCY				CONTRA	STOP.	··		Form Approved OMH No. 2000-0281 Approval expires 8-	73
HAZARD	OUS SUBSTANCE RESPONSE FUN ONTRACTOR COST REPORT				PEDC		IRON M			894
- '	RACTOR PERSONNEL REPORT				ASSIGNM		BER		DATE	2, 1984
 	2. WORK CLASSIFICATION		3. HOURLY LABOR			5.	6. TC	TAL JAS		
1. EMPLOYEES ASSIGNED		REGULAR	OVERTIME	FROM	то	BREAK	REGU-	OVER- TIME	7. TRAVEL AND SUBSISTENCE COSTS	8. TOTAL PERSONNEL COSTS
Mike Hessling	Response Monager	52.50		800	1630		8		10	480.0
Tom Dewey	· Foreman, Level 3	33.60	_	80.	1630		8			248.80
Roy Hanson	· Pipetitter	31.50		800	1630		8			252.00
Pete Bornum	· Welder	31.50		800	1630		8			252 00
Milu Barnun	· Pipelitter	21.50		800	1630		8			252.00
Doug Roberts	. Welder	51.50		300	1630		8			252.00
Loyd Cosebeer	. Pipefitter	31.50		800	1630		8			252.00
Bob Pope	· Welder	31.50		800	1630		8			252.00
Howard Westrick	· Pipelitter	31.50		ర్థాలు	1630		8			252.00
The gramar	Equipment Op 1./2	27.80		800	1630		8			222.40
Richard Hook	Foreman Lul 3	33.60		900	1630		8			268.80
Herb Smith	· Electrician	31.50		800	1630		8			252.00
Larry Greenfield	· Electrician	31.50		800	1430		8			252.00
Dennis Heffron	Foreman Level 2	30.50		9:00	1630		7			213.50
John Boaman	Leborer	15-80		0:00	1620		6			94.80
· ·		+								
									-	i
			i	,,						
RAM/056 & RM dlag	loval	<u> </u>				I		TOTAL PI	ERSONNEL COSTS	38/6.3

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i						CONTRACTOR PEDCE ENVIRONMENTAL	CONTRACT NUMB	BGA
CONTRACTOR—OWNED EQUI	PMENT/	MATERIA	ALS REPORT	•		ASSIGNMENT NUMBER	DATE	0 14
						4894-06-008		2 1984
	10 40	JAS USED	11.	12.	13,			
9. EQUIPMENT USED	FROM	то	COST PER HOUR	TOTAL	TOTAL COST	15. MATERIALS USED	16. QUANTITY	17. TOTAL COST
Welding Machine	8:00	16;30	90/day	doy	90.00	STEEL PIPE FITHINGS	Misc	BILL LATER
Welding Machine	8:00	16'30	90/00	day	40.DO	ELECTRICAL SUPPLIES	Misc	BILL LATER
Welding Machine	8:00	16:30	90/d=1	dex				<u></u>
Side Grinder (2)	9:00	15:30	11/day	day				i
Hand Tools (4 Sets).	8100	16:30	11/day	day	44.00			
Ladders (3)	8'00	16/30	5/clay	day	13.00			
Power Threader	8/00	16:30	20/ Jay	dox	20.00			
CRANE - 15 TON	8,00	12:00	50/hr	48	200.00			
FRONT END LOADER	12/30	16:30	47/hr	4	188.00			
STAKE BED, ZTON	8/00		80/de,	day	80.00			
Welching Stand () set)	8:00	16:30	15/Lly	day	30.00			
2" Electric Submersible	8:00	16:30	55/Jay	doy				
EquiPMENT TRUCK	8,00	16:30	15/day	day	15.00			
HAND TOOLS	8:00	16:30	11/001	day	11.00			
STAKE BED ZTON	8:00	16:30	90/day	5064	80.00			
HAND TOURS	8',00	16130	11/day	z day	11.00	·		
•			,	'		•		,
						63		
4. TOTAL EQUIPMENT COSTS	<u> </u>			•	934.00	18. TOTAL MATERIAL COSTS	s — () -

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Û	CHROOMED A CTOR DESCREE	O	CONTRACTOR PEDCL ENVIRONMENTAL	CONTRACT NUMBERS
-	SUBCONTRACTOR REPORT		ASSIGNMENT NUMBER	MAY 22, 1984
19. SUBCONTRACTOR NAME	20, WORK DESCRIPTION	21.SUBCONTRACT 23.	REMARKS	
	·			
,				
		·		
		t l		
	1			
		<u> </u>		4750.30
}		24.	CONTRACT CEILING AMOUNT	\$500,000.00
· ·		25.	TOTAL ESTIMATED CONTRACT COST	\$ TO DATE \$ 193, 289.58
22. TOTAL SUBCONTRACT COSTS		\$ 26.	TOTAL ESTIMATED COSTS TO COMPL	ETE CONTRACT \$306,710.42
I certify that this report is a true and complete re- subcontractors which I ordered and authorized fro contract.	ecord of the labor, supervision, travel, equipment, ma com the contractor in the performance of the above-c	ri ted equ	rtify that this report is a true and complete ipment, materials, and subcontractors prove of the above-cited contract.	record of the labor, supervision, travel, ided by the contractor in the perform-
Signature of OSC Representative Samol M. Caple	Time Arrived on Scene	Time Departed Sign	Merchan Contractor's Authorized Represe	Date 5/3/84
EPA Form 1900-55 (1-82)	THT ON SI	Copy 1	On-Scane Coordinator Contractor Procurement	Page 3 of 4

Form Ap	2000-0288
OMB No.	2000-0288
Approval	expires 8.3

			\						Approval expires 8-3	• • •
	RONMENTAL PROTECTION AGENCY DUS SUBSTANCE RESPONSE FUN		,		CONTRA	CTOR"	o ON M F		CONTRACT NUMB.	
	INTRACTOR COST REPORT					ENT NUM			48-01-6	894
CONT	RACTOR PERSONNEL REPORT					4.05				23,198
		3. HOURLY	4. H EMPL	OURS LOYED	5.	6. TOTAL HOURS		7. TRAVEL AND		
1. EMPLOYEES ASSIGNED	2. WORK CLASSIFICATION	REGULAR	OVERTIME	FROM	то	BREAK	REGU-	OVER- TIME	SUBSISTENCE COSTS	B. TOTAL PERSONNEL COSTS
MIKE HESSLING	Response Manager	52.50		08လ	1630		8		60	480.00
TOM DEWEY	FOREMAN LVL. 3	33.40		800	1630		8	,		268.80
Gary Heckman	Pipelitter	31.50		su	1630		H 6/2			204. 73
Pete Barnum	Welder	31,50		3 01	1630		\$ 6/2			201.75
Mike Bornum	P.pefitter	31.50		200	1430		1 6h			204.75
Howard Westrick -	Pipef: Her	31.50		800	1630		81)47			252. თა
Bob Pope	Welelin	31.50		కరు	1630		8			252.00
Doug Roberts	, Welder	31.50		800	1630		8			252.00
Loyd Case beer	Pipefitter D. L.	31.50		၉၀၀	1430		8			252.00
Dennis Heffron	Foremon Lul 2	3050		800	1630		8			2-1-1.00
John Booman	Laborer	15.80		800	1430		8			124.40
Richard Hook	Foreman, Lv / 3	33.60		800	1630		8			248.80
Herb Smith	Electrician	31.50		800	1630		8			Z52.00
Larry Greenfield	Electrician	31.50		800	1430		8			252.00
·				"	_					
 										
		 				-				
		 -		-,				<u> </u>		
					<u> </u>	L		TOTAL P	ERSONNEL COSTS	3104.15
Form 1900 ES (1. 92)		Orleinel - C					·	UIAC F	-110011114 5 00016	3514.29

CONTRACTOR—OWNED FOUR	CONTRACTOR—OWNED EQUIPMENT/MATERIALS REPORT					CONTRACTOR PED Co ENVIRONMENTAL			
SOUTHABLE EQUIPMENT/MATERIALS REPORT					,	ASSIGNMENT NUMBER	MA - 23 /98		
9. EQUIPMENT USED	10. HOURS USED		11, COST PER HOUR	12. TOTAL HOURS	13. TOTAL COST	15. MATERIALS USED	16. QUANTITY	17. TOTA COST	
Welling Machine	8:00 16:30 90/day	day 90.00	90.00	Fuel	8 ga /	10.00			
Welding Machine	2:00	4	90/day	day	90.00	Valves & Fittings	Misc.	BillLo	
Welding Machine	8:00	16130	90/day	Day	90.00	Transformer		Bill Lat	
Hanel Tuils (4 Sets)	8:00	16/30	11 /clay	day	44.00				
Welching Stands (3 Set)	8:00	16:30	15/ day	day	45.00				
Lodders (1)	3:00	16:30	5/day	day	-				
Side Grinkers (2)	8:00	16:30	11 /day	day					
Stake Bal (2 Ton)	8:00	16:30	80/Jay	day	80.00			ļ	
2" Elect- Submersible	8:01	16/30	35/day	day	55.00	3% H.C	.]	-30	
Stake Bed, 2 Ton	8:00	16:30	80/day	day	90.0 0	<u> </u>			
Hand Took	8:00	16:30	11 /day	day	//, 00				
Heat Touch	8.00	10:00	8/hr	2	16.00				
EQUIPMENT TRUCK	8/00	16:30	15/Jay	day	15.00				
HAND TOULS	1	14/30	1 , 1	day	11.00				
,				/					
								}	
]								
				<u> </u>			1	}	
	لـــــا				07.00	18. TOTAL MATERIAL COSTS	\$	10.30	

		\sim	CONTRACTOR	CONTRACT NUM
	SUBCONTRACTOR REPORT		PEDCO Environmental	68-01- 6894
\			ASSIGNMENT NUMBER	May 23. 1424
19. SUBCONTRACTOR NAME	20, WORK DESCRIPTION	21.SUBCONTRACT		//
Helly Co.	Waterproofing Concrete Walls	BILL		
		,		
				45 22.05
.'			24. CONTRACT CEILING AMOUNT	\$900,0000.00
			25. TOTAL ESTIMATED CONTRACT COST	S TO DATE \$197 8/1.63
22. TOTAL SUBCONTRACT COSTS		•	26. TOTAL ESTIMATED COSTS TO COMPL	ETE CONTRACT \$302 188.37
I certify that this report is a true and complete subcontractors which I ordered and authorized contract.	record of the labor, supervision, travel, equipment, in from the contractor in the performance of the above	-cited ja	l certify that this report is a true and complete equipment, materials, and subcontractors pro- ance of the above-cited contract.	
Signature of OSC Representative	5/31/84 Tot no.	reservice	Signature of Contractor, Authorized Representation of Heart was	
EPA Form 1900-55 (1-82)	on site	8,00 -> 18:0 & op		197 7 11.63 Page 3 of 4

302 188.37

US ENVIRONMENTAL PROTECTION AGENCY HAZARDOUS SUBSTANCE RESPONSE FUND CONTRACTOR COST REPORT				CONTRACTOR PEDC. Environments ASSIGNMENT NUMBER 684-05-008 OURS 6. TOTAL				CONTRACT NUM. DATE MAY Z4, 1984		
CONTRACTOR PERSONNEL REPORT 3. HOURLY LABOR 4. HI										
1. EMPLOYEES ASSIGNED			ATE	EMP	OYED	5.	но	/A8	7. TRAVEL AND SUBSISTENCE	8. TOTAL PERSONNE
	2. WORK CLASSIFICATION	REGULAR OVERTIME		FROM	то	BREAK	REGU-	OVER- TIME	COSTS	COSTS
Mike Hessling	· Response Manager	52.50	<u> </u>	8:00	16:30		8		40	480,0
Tom Dewey	FOREMAN LUL. 3	33.40		8:00	16130		8			268.8
Doug Roberts	· Welder	31.50		8:00	16130		8			252.0
Loyd Casebeer	Pipelitter	31.50		8:00	16130		8	 		752.0
Dick Hook	, FOREMAN LVL. 3	33.60		8:00	16130		8			268.8€
Herb Smith	ELECTRICIAN	31.50		57:08	16/30		8			252.0
-arry Greenfield	ELECTRICIAN	31.50		8:50	16:30		8			252.0
DENNIS HEFFROM	FOREMAN LVL. 2 Truck Driver	30.50	41.00 27.30	8100	23/30		n	6		448.8
JOHN BOAMAN	· LABORER	15.80	21.50	8:01	17:30		8	1		147.9
Par Case	CARPENTER	23.10	31.50	8100	17130		8	1		216.3
JACK VINSON	· Foreman, Lv/ 3	33.60		y:00	16:30		8			268.8
Dewey Waterman	· Equipment Op. IVIZ	27.80		8:00	16530		8			227.4
irey Robertson	Equipment Op. Lul. Z	27.80		8:00	16:30		8_			222.4
Ray Ons	Pipesetter	23.10		8:0	16130		8			184.80
Jr. Orns	Pipesetter	23.16		8:00	16130		8			184.8
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EPA Form 1900-55 (1-82)

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	CONTRACTOR—OWNED EQUI	PMENT/	MATERIA	ALS REPORT	_			ABSIGNMENT NUMBE		DATE May Z	
	9. EQUIPMENT USED	HOUR		12. TOTAL HOURS	13, TOTAL COST		15. MATERIALS USED		18. QUANTITY	17. TOTAL COST	
	Loader Wheel 1.5 yel con.	8:00	16150	331/00/	8	331.00	Sou	s Blades	и	5	25.00
L	Backhoe Cat 225 cany	8100	16130	418/day	8	478.00	Mor	tar Mix	н	3 bogs	B.11 Late.
L	Dozer	8100	12100	40/hr	.4	160.00	Top	5.1	н	4 yd.	Bill Late
L	Stake bed I Ton	¥:00	16130	75/lay	dej	75.00	Fue		н	25gel	31.25
L	Pick-up Truck	8:00	16130	58/009	day	58.00	Fue		НР	8901	10.00
L	Hand Took	7100	16130	11/day	day	11.00	Fue	1	Μ		18.85
L	Welding Machine	8:00	16/30	90/day	doy	90.00	Con	crete		1 yel	Bill Late
L	Cutting Torch	8100	14:50		day	50.00	Lum	iber	C	Mise.	Bill Loter
_	Honel Tools	8:00	16130	"/day	day	0.00					
L	Lodders (3)	8:00	16130	5/004	day		-	Su87	TAL	{	8810
L	2. Ton Stake Bal	8100			Jay	80.00	-	_	ot ile		
_	Lift Truck - 30'	8:00	16 (30	300/8/	lux	300.00	1	3'	% HC		2.56
L	EQUIPMENT TRUCK	8:00	16130	75.00/2	Ja,	75.00	1				
_	HAND TOOLS	800	16:38	"log	day	9,00	1				
_	2 Ton Stake Beal	8120	16:30	80/dkg	day	80.00					
-	Concrete Vibrator	13;00	15700	30/0/01	Ź	30,00]		_		
_	Hand Tooks	8,00	16:30	11/day	day	11.00			•	·	
_	2" Elect Submersible	4:00	16;30	55/claj	log	55,00	ĺ				
_									,		
-	TOTAL EQUIPMENT COSTS		1		• 101	02.00	18. TOTA	L MATERIAL COSTS	 -		87.66
L.	A Form 1900 55 (1.82)							- On-Scene Coordinate		_	

EPA Form 1900-55 (1-82)

Original — On-Scene Coordinator
Copy 1 — Contractor
Copy 2 — Procuremens

			Jacustana	Tooling to the state of the sta
		O	CONTRACTOR PEDCO ENVIRONMENTAL	CONTRACT NUM!)
SUI	BCONTRACTOR REPORT		ASSIGNMENT NUMBER	DATE
			6894-05-008	MAY 24, 1984
19. SUBCONTRACTOR NAME	20. WORK DESCRIPTION	21.SUBCONTRACT	23. REMARKS	
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j.				5911.46
√.		2	4. CONTRACT CEILING AMOUNT	\$500,000
		2	5. TOTAL ESTIMATED CONTRACT COS	* ZO3, 72 3.09
22. TOTAL SUBCONTRACT COSTS		\$ 2	6. TOTAL ESTIMATED COSTS TO COM	LETE CONTRACT \$ 284,276.91
I certify that this report is a true and complete record subcontractors which I ordered and authorized from contract.	d of the labor, supervision, travel, equipment, me the contractor in the performance of the above-	cited e	certify that this report is a true and compliquipment, materials, and subcontractors prince of the above-cited contract.	
Signature of OSC Representative	Time Arrived on Scene	Time Departed S	Ignature of Contractor's Authorized Rappe	
Druid M. lastico		eno. 8:00-16,3	Michal Class 12	4/1/84
EPA Form 1900-55 (1-82)	11-1 100 00 00	Origin	nal - On-Scane Coordinator	
•		Сору	1 — Contractor 2 — Procurement	Page 3 of 4

Form Approve:
OMB No. 2000-0284
Approval expires 8

US EN	VIRONMENTAL PROTECTION AGENCY		<i></i>		CONTRAC	TOR			CONTRACT NUMB	
HAZAR	DOUS SUBSTANCE RESPONSE FUNI CONTRACTOR COST REPORT	D				Envir		tal	68-01-6	894
	TRACTOR PERSONNEL REPORT				ASSIGNM	ENT NUM			May	25 1984
		3. HOURLY LABOR 4. I		4. H EMP	OURS	5.	6. TOTAL HOURS		7. TRAVEL AND	8. TOTAL
1. EMPLOYEES ASSIGNED	2. WORK CLASSIFICATION	REGULAR	OVERTIME	FROM	то	BREAK	REGU	OVER-	SUBSISTENCE COSTS	PERSONNE COSTS
Mike Hessling	Response Manager	52.50		8:00	16130		8		60	4800
Jock Vinson	Foremen Lul. 3	33.60	44.10	7/30	76:30		8	1/2		790.8
Dewey Waterman	Equipment Op. Lul. 2	27.80		\$100	16:30		8			222.40
Greey Probertson	Equipment Op. Lul. 2	27.80	Times.	8:00	16130		8			222.40
Ray Orns	Dipesetter	23.10	31.50	7/30	16 ! 30		8	1/2		200.5
Jr. Orns	Pipesetter	23.10	31.50	7,'30	16/30		8	1/2		200.5
Tom Dewey	Foreman Lul 3	33.60		8100	16130		8			268.80
Doug Poberts	Welder	31.50		8100	16:30		8			252.00
Loyal Case beer	Pipefitter	31.50		8:00	16:30		8	 	<u> </u>	
Dennis Heffron	Foreman Level 2	33.60		8/00	14130		6			252.00
Pay Case	Corpenter	23.10		8:00			6	1		
John Bosman	Leborer	15.80			14130		6	 	 	138.60
Dick Hook	Foreman Lul. 3	33.40	44.10		17:00		8	1,		312.90
Herb Smith	Electrician	31.50	42.00		17:00	-	8	1	- 	294.00
										297. 00
						<u> </u>				<u> </u>
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) 00 1 10 -		<u> </u>		 .	<u> </u>		·-··	L		24/2 -
800 /05C and 800 /0	usagner on fever							TOTAL P	ERSONNEL COSTS	3463.05

EPA Form 1900-65 (1-82)

Original — On-Scene Coordinator
Copy 1 — Contractor
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Page 1 of 4

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CONTRACTOR OWNER FOUND		4 A T C D ()	LI C DEBOOT			PEDCO Environ mental	68-01-68		
CONTRACTOR—OWNED EQUIP	MEN I/A	MAICHIA	ALS NEPUNI	·		ASSIGNMENT NUMBER 6894 - 05 - 008	DATE MAY	25, 1984	
	10. HOU	AS USED	11. COST	12, TOTAL	13, TOTAL			17. TOTAL	
9. EQUIPMENT USED	FROM	то	PER HOUR	HOURS		15. MATERIALS USED	16. QUANTITY	COST	
oader Wheel, 1.5 yel.	8:00	16130	331/Soj	8	331.00	Concrete	7.5 yel	Bill Late	
Bockhoe, Cat 225 equir.	8/00	12:00	68/hr	4	272.00	Grating	<u> </u>	3.11 Later	
Do2 <r< td=""><td></td><td></td><td>40/hm</td><td>8</td><td>295.00</td><td>Fuel 4</td><td>25901</td><td>31.25</td></r<>			40/hm	8	295.00	Fuel 4	25901	31.25	
		1	15/Jaj	day	15.00	Fuel HP	3gal	3.75 B://	
Pich up Truck	8:00	16/30	58/Ja	dey	58.00	Sump Pump	 	Bill Later	
Hand Tools	5100	16130	11/day	day	11.00	Grating Supports	4 pc.	BII Later	
Stoke Bel 2 Ton	8:00	16:30	80/ Day	dej	80.00	Steel Greatives	10 pc.	Bill Later	
Itaal Tools	8:00	16/30	11/day	Je.	9,00		 		
Egupment Truck			75/chaj	de	15.00			-	
Hand Tools	8:00	16130	1 /200	day					
Welding Machin		11:00		3	42.00			Ì	
Hand Tools		16130	10	Jaj		SUBTOTAL		35,00	
Ledders (Z)		16130		day					
Passenger Sewan	8:00	16:30	51/day	280mi	51.00	3% H.C.		1.05	
2 ARBON UNITS 20,000#(4)			3825/mo		**				
- 1,7,5,4 0,0,1,5 0,000 (1)			7,5,0	 	10340.00		}	}	
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			}						
			{					}	
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TOTAL EQUIPMENT COSTS & PRECENCE	/ //			11	623.80	18, TOTAL MATERIAL COSTS	\$ 36.0	\	

EPA Form 1900-55 (1-82)

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

SUBC	ONTRACTOR REPORT		CONTRACTOR PEDCO Enumamental ASSIGNMENT NUMBER 6894-05-008	CONTRACT NUMBER 68-01-6894 DATE MAY 25, 1584
		21.SUBCONTRACT	23, REMARKS	<u></u>
19. SUBCONTRACTOR NAME	20. WORK DESCRIPTION	AMOUNT		
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				15,222.91
]:	24. CONTRACT CEILING AMOUNT	\$ 500,000,0
		į į	25. TOTAL ESTIMATED CONTRACT COST	
		_		2/8,845.4
FOTAL SUBCONTRACT COSTS			26. TOTAL ESTIMATED COSTS TO COMPL	ETE CONTRACT \$281,154.01
rtify that this report is a true and complete record of contractors which I ordered and authorized from the tract.	of the labor, supervision, travel, equipment, n is contractor in the performance of the above	naterials, and e	certify that this report is a true and complete quipment, materials, and subcontractors prov nce of the above-cited contract.	record of the labor, supervision, trave
sture of the Representative	Time Arrived on Scene	Time Departed S	ignature of Contractor's Authorized Represe	
budllastei .	97/84 10:30	16:30	Michal Hearly	241 6/7/84
Form 1900-55 (1-82)		Origi	rial - On-Scane Coordinator	
•			/ 1 — Contractor / 2 — Procurement	Page 3 of

Form Approved OMB No. 2000-0284 Approval expires 8 CONTRACTOR CONTRACT NUMBER US ENVIRONMENTAL PROTECTION AGENCY HAZARDOUS SUBSTANCE RESPONSE FUND 68-01-6894 PEDCO Environmental CONTRACTOR COST REPORT ASSIGNMENT NUMBER DATE MAY 29, 1984 **CONTRACTOR PERSONNEL REPORT** 6894-05-008 4. HOURS 3. HOURLY LABOR 6, TOTAL 5. 7. TRAVEL AND SUBSISTENCE COSTS 8. TOTAL PERSONNEL COSTS 1. EMPLOYEES ASSIGNED REGULAR OVERTIME 2. WORK CLASSIFICATION FROM TO BREAK REGU. OVER-LAR TIME 6.5 Foremm Lul 3 33.60 218.40 Smith Electrician 31.50 Herb 4.5 204.75 Foreman Lul. 3 Cummings 33.60 3360 Heffin 1 Carpenter 2210 Dennis 23.10 TOTAL PERSONNEL COSTS 479.85

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CONTRACTOR—OWNED	COMPAGNIA	ATERIA	I C DEPORT	-		CONTRACTOR PEDCE Environmental	CONTRACT NUMB	6894
	, EGOIPINE IVI //I			,		ASSIGNMENT NUMBER	DATE MAY	29,1984
	19. HOU	10. HOURS USED 11		12. TOTAL	13. TOTAL			17. TOTAL
9, EQUIPMENT USED	FROM	TO	COST PER HOUR	HOURS	COST	18, MATERIALS USED	16. QUANTITY	COST
Equipment Truck			14/hr 75/de,	6.5	75.00		}	j
Haml Took			11/ clay	6.5	/). ∞		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
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OTAL EQUIPMENT COSTS			 	8	85.00	18. TOTAL MAYERIAL COSTS	\$	

			\cup	CONTRACTOR	CONTRACT NUME
ei:	BCONTRACTOR REPORT			PEDCO ENVIRONMENTAL	68-01-6894
}				ASSIGNMENT NUMBER	DATE
			,	6894-03-008	MAY 29 1984
19. SUBCONTRACTOR NAME	20. WORK DESCRIPT	rion	21.SUBCONTRAC	T 23. REMARKS	i
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_	•		l	24 CONTRACT CEN INC. AMOUNT	
(24. CONTRACT CEILING AMOUNT	\$500.000.00
				 25, TOTAL ESTIMATED CONTRACT COST	S TO DATE
			 		<u> </u>
22. TOTAL SUBCONTRACT COSTS			\$	26. TOTAL ESTIMATED COSTS TO COMPL	ETE CONTRACT \$780589.16
I certify that this report is a true and complete recorsubcontractors which I ordered and authorized from contract.	d of the labor, supervision, travel, the contractor in the performance	equipment, mat of the above-c	terials, and ited	I certify that this report is a true and complet equipment, materials, and subcontractors pro-	e record of the labor, supervision, travel,
Signature of OSE Representative	/ / Time	Arrived on	Time Departed	Signature of Contractor's Authorized Represe	
the selle to the	6/7/00		 	Mohal a Heal	1/2/84
EPA Form 1900-55 (1-82)	71/87			iginal - On-Scane Coordinator	=
	•		Co	py 1 — Contractor py 2 — Procurement	Page 3 of 4

Form Approved
OMB No. 2000-028
Approval expires 8-

HAZARDO	RONMENTAL PROTECTION AGENCY PUS SUBSTANCE RESPONSE FUR			· •	PEDCO		onmen	tal	68-01-		
	CONTRACTOR PERSONNEL REPORT ASSIGNMENT NU 4894-05										
		3. HOURLY LABOR 4. EM		4. H EMPI	OURS LOYED	5.	6. TOTAL HOURS			30,1984	
1. EMPLOYEES ASSIGNED	2. WORK CLASSIFICATION	REGULAR	OVERTIME	FROM	то	BREAK	REGU-	OVER- TIME	7. TRAVEL AND SUBSISTENCE COSTS	8. TOTAL PERSONNEL COSTS	
· Mile Hessling	Presponse Mar.	52.50		8:00	16130		8		40*	480.∞	
Earl Cummings	Foreman Lyl 3	33.60		81.30	16:30		8	<u> </u>		268.80	
Dennis Heffron	Carpenter	23.10		8130	16:30		8			184.80	
Ray Case	Carporter	23.10		8:30	16:30		8			184.80	
Dlik Hook	Foremen Lul. 3	33.60		8:00	16:30		8			268.80	
Herb Smith	Eta Ektrician	31.50		8:00	16:50		8			252.00	
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		<u> </u>									
* Airline Ticket will b	e billed Later							TOTAL P	ERSONNEL COSTS	1639.20	

CONTRACTOR—OWNED EQU	JIPMENT/I	MATERIA	ALS REPORT			CONTRACTOR PEDCO Environmental	DATE	6894	
						ASSIGNMENT NUMBER	May	30,1484	
		10. HOURS USED		12. TOTAL	13. TOTAL			17. TOTAL	
9, EQUIPMENT USED	FROM	то	PER HOUR	HOURS	COST	15, MATERIALS USED	16, QUANTITY	COST	
2. Ton Stake Bed	8:30	14130	80/lay	day	80.00	Lumber		Bill Later	
Hand Tools	8:30	16/30	11/day	day	11.00			1	
30' Lift Truck	8,00	16:30	ow/claj	day	300.00	·	}	}	
Egupment Truck	8'00	16130	15/Jag	day	75,00				
Hovel Tools	8,00	16:30	" Idas	day	11.00				
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TOTAL EQUIPMENT COSTS				* 4	17.00	18, TOTAL MATERIAL COSTS	\$		

				NTRACT NUMBER		
eup	CONTRACTOR REPORT			8-01-6894		
	CONTRACTOR REPORT		ASSIGNMENT NUMBER DA	TE May 30,1984		
19. SUBCONTRACTOR NAME	20. WORK DESCRIPTION	21.SUBCONTRACT	23. REMARKS			
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j.			24. CONTRACT CEILING AMOUNT	4 _		
· ·			24. GOLFFING CETEING AMOUNT	\$ 500,000.00		
			25. TOTAL ESTIMATED CONTRACT COSTS TO	D DATE 221,527.04		
22. TOTAL SUBCONTRACT COSTS		•	26. TOTAL ESTIMATED COSTS TO COMPLETE	CONTRACT \$278,472.96		
certify that this report is a true and complete record updontractors which I ordered and authorized from the contract.	of the labor, supervision, travel, equipment, make contractor in the performance of the above-	cited	Ecertify that this report is a true and complete recequipment, materials, and subcontractors provided ance of the above-cited contract.	ord of the labor, supervision, travel, by the contractor in the perform-		
ignature of the Representative	Time Arrived on Scene	Time Departed	Signature of Contractor's Authorized Appresentati	ve Date		
BuilM. Callie	8:00	16520	Michael College !!	c4 4/2/54		
PA Form 1900-55 (1-82)		Orig Cop Cop		Page 3 of 4		

I,	_	ζ,	•		•	*			Form Approved OMB No. 2000-028 Approval expires 8-	<u> </u>	
HAZARI	VIRONMENTAL PROTECTION AGENCY DOUS SUBSTANCE RESPONSE FUN CONTRACTOR COST REPORT	iD .			PEDO		uron m	ental	68 - 01- 68	e .	
	CONTRACTOR PERSONNEL REPORT ASSIGNMENT 6894-08										
		3. HOURI	Y LABOR	4. H EMPI	OURS LOYED	Б.	6. TOTAL HOURS			1984	
1. EMPLOYEES ASSIGNED	2. WORK CLASSIFICATION	REGULAR	OVERTIME	FROM	то	BREAK TIME	REGU-	OVER- TIME	7. TRAVEL AND SUBSISTENCE COSTS	R TOTAL PERSONNEL COSTS	
Miles Hessling	Presponse Man.	52.50		8:00	16:30		8		60	48000	
Dennis Helfron	Corpenter	23.10		8:00	15130		7			161.70	
Dennis Combes	Carpenter	23.10		8:00	15130		7			161.70	
Roy Case	Consiete Leber Lul. 2	23./0		8:00	16130		8			184.80	
Earl Cummings	Foremah Lul 3	33.60	<u> </u>	8:00	16130		8			168,80	
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		<u> </u>						TOTAL P	ERSONNEL COSTS	17.63.00	
										1257.00	

CONTRACTOR—OWNED EQU	IPMENT/MATERI	ALS REPORT	-	CONTRACTOR PEDCO Environmental	CONTRACT NUME	1ER 10894
				ASSIGNMENT NUMBER 6894 - 05 - 008	DATE MAY	31, 1984
9. EQUIPMENT USED	10. HOURS USED	COST TO	12. 13. TAL TOTAL URS COST	15. MATERIALS USED	16, QUANTITY	17. TOTAL COST
2 Ton Stake Bral	8100 16:30	80/Jay de	y 80 .00	Concrete		Bill Later
Honel Tools	8/00 /6/30	11/day de	11.00			
Concrete Vibratur	8:00 16:30	30/day de	30.00			1
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<u>}</u>						
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						!
4. TOTAL EQUIPMENT COSTS	 	•	121.00	18. TOTAL MATERIAL COSTS	\$	

SI	UBCONTRACTOR REPORT			PEDCO Environmental	DATE
ł				6894-03-008	MAY 31, 1984
19. SUBCONTRACTOR NAME	20. WORK DESCRI	IPTION	21.SUBCONTRAC	T 23. REMARKS	
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,			1	TA CONTRACT CENTURE ANGUNIT	
			1	24. CONTRACT CEILING AMOUNT	<u>300,000.00</u>
				25. TOTAL ESTIMATED CONTRACT COS	TS TO DATE \$222,905.04
22. TOTAL SUBCONTRACT COSTS			\$	26. TOTAL ESTIMATED COSTS TO COMP	LETE CONTRACT \$277,094,96
I certify that this report is a true and complete reci subcontractors which I ordered and authorized fro- contract.	ord of the labor, supervision, traw m the contractor in the performan	e), equipment, ma nce of the above-c	terials, and ited	I certify that this report is a true and comple equipment, materials, and subcontractors pro ance of the above-cited contract.	
Signature of Aepresentative		ime Arrived on	Time Departed	Signature of Contractor's Authorized Repres	entative Date
Daniel M. Cashel		8:00	16:30	Makel Colony in	1//84
EPA Form 1900-55 (1-82)			Ca	riginal — On-Scane Coordinator ppy 1 — Contractor ppy 2 — Procurement	Page 3 of 4

CONTRACTOR—OWNED EQUIP	MENT/N	MATERIAL	S REPORT				CONTRACTOR . PEIX - ENVIRONMENTO ASSIGNMENT NUMBER 6894-05-008	al_	CONTRACT NUME 68-01-6 DATE 6/1/	894
s. eguipment us ed	10. HOU	AS USED	11, COST PER HOUR	12. TOTAL HOURS	1900-65 Date 13. 		SV)	plier	16. QUANTITY	17. TOTAL COST
Suppliers					5/3,5/9	Iron	pipe + fittings	UP	-	19,900.82
UP- Underground Pipe					5/4,7,8,9	Sav	Blades (rec.)	H	8	4.00
H-Hoffman					5/8	Stor	e(pea grave1)	H	10 yd (12ton)	
N- Neenah					5/9	Nce	nah Manway	N	/	\$94.00
5-Summit L- Lawrence					5/10	Sto	one	H	135.15 ton	608.18
E- Faber					5/10	Pho	toswitches	S	5	396.44
G-Galloup			ı		5/11	Rea	dy-mix cement	Н	7 bags	25.90
NO-Northern					5/11	Moi	rtar	H	4 bags	14.80
C-Corlett					5/11	Con	crete Bricks	Н	60	45.∞
M- Modern HA- Hausman					5/11	24"	Concrete Pipe	H	22 L.Fl.	380.60
K - Kalamazo Fabrication	a				5/1	Pum	pstarters + Misc	L	5 sets	4067.00
B-J.H.Ballenger	ן כ					Con	trol switches	L	5	7067.00
KE-Kendall Electric	1				5/11		mps	F	5	7217.60
FA-F&A Fabricating					5/14,15,16, 17,18,264	Ste	elpipe + fillings	9	-	26,630.94 27,411.4 4
R-Ryerson Steel					5/14		Concrete Pipe	No	48 L. Ft.	934.86
'					•		astic	No	5 gal.	157.00
					5/9	Top	Soil	H	90 yd	no charge
4. TOTAL EQUIPMENT COSTS				•		18. TOTA	L MATERIAL COSTS		\$	_

CONTRACTOR—OWNED E	QUIPMENT/M	ATERIAL	S REPORT				CONTRACTOR PEDCO Environmento ABBIGNMENT NUMBER	1/	CONTRACT NUMB	894
							6894-05-008		DATE 6/1/8	94
9. EQUIPMENT USED	10. HOUR	S USED	11. COST PER HOUR	12. TOTAL HOURS	13. 10TAL 10087		Sup 18. MATERIALS USED	plier	16. QUANTITY	17. TOTAL COST
					5/9,11,17	Lui	nber	C		636.37
					5/15	Co	ncrete	M	33yd.	1575,29
					5/15	Re	bar	HA		919.56
					5/17	5+0	tel Beams	K	3	294.30
					5/18		crete out	M	50 yd.	2548.ic
• •					4/27 + 423	Ads	ustment 4% tax	1+		77.14
					5/25	Sur	np Pump	В	1	333.7/
					5/22	200 / 180/12 Hoff	np Disconnect Amp Disconnect O Transformer man Box Electric Supplies	ΚE		2119.66
					5/25	Gra	ting Supports	FA	4 pes.	748.∞
· ·					5/25	Ste	el grating	R	10 pes	1064.29
					5/31	Con	crete	M	7.5 pls	433.42
										71,492.8
										2.144_7
TOTAL EQUIPMENT COSTS						8. TOTA	L MATERIAL COSTS		• 734	37,68

Kelly Company %:	water proofing	1620.00		
Kelly Company 5/20	concrete			
Air Couriers Int. 5/10	air freight delivery of pumps	2906.25		
•		4526. zs	-	
	396H.C	135,79		
				78,299.72
			24. CONTRACT CEILING AMOUNT	\$500,000.00
			25. TOTAL ESTIMATED CONTRACT COSTS TO DATE	\$301,204.76
TOTAL SUBCONTRACT COSTS			26. TOTAL ESTIMATED COSTS TO COMPLETE CONTRACT	\$198,795.74
rtify that this report is a true and complete reco contractors which I ordered and authorized from tract.	rd of the labor, supervision, travel, equipment, m the contractor in the performance of the above	eterials, and cited	I certify that this report is a true and complete record of the labo equipment, materials, and subcontractors provided by the contra- ance of the above-cited contract.	
nature of the Representative				

Ferm Approved
ONS Approved No. 2000 0285
Expiration Date: 6:30

			``}			0700			Expiration Date: 6-3	<u> </u>
HAZARD	INDIMENTAL PROTECTION AGENCY OUS SUBSTANCE RESPONSE FUND ONTRACTOR COST REPORT		<i></i>		Section of the last of the las		U U		CONTRACT NUMBER 63-01-	6894
* 1	RACTOR PERSONNEL REPORT					4894 - 05 - 008			DATE	7 1984
		3. HOURLY LABOR RATE		4. HI EMPL	OURS OYED	5.	6. TOTAL HOURS		7. TRAVEL AND	8. TOTAL
1. EMPLOYEES ASSIGNED	2. WORK CLASSIFICATION	REGULAR	OVERTIME	FROM	то	BREAK TIME	REGU- LAR	OVER- TIME	SUBSISTENCE COSTS	PERSONNEL COSTS
Mike Hessling	Response Monager	52.50		080c	1630	:30	ठ		60	480.00
Earl Commings	Fore mon, Level 3	33.4 [©]		800	1530	:30	7			235.20
Dennis Heffron	Corpenter	23./0		800	3 30	:30	5			115.50
Roy Case	Corpenter	23./0		300	12 30	:30	4			92.40
John Bogman	Laborer	15.80		8.00	1630	: 30	8			126.40
	Airline Charge Rental Cor	es 51 5/29/	z9/84 /84 +1	· 57	31/8. gh 5/	g (No	t bili bill	(وما) درسان	434.00	•
				.		<u> </u>			EDECAME: 000-1	
Form 1900-66 (1.82)									ERSONNEL COSTS	1032.37

	·					
				PEDCO Environmental	CONTRACT NUMB	894
CONTRACTOR-OWNED EQU	JIPMENT/MATERI	ALS REPORT		ASSIGNMENT NUMBER 6894-05-008	DATE	7, 1984
9, EQUIPMENT USED	10. HOURS USED	11. 12 COST TOTA PER HOUR	AL TOTAL	15. MATERIALS USED	16, QUANTITY	17. TOTAL COST
Passenger Section	0000 1500	51/clay -16/mile 560	140.60			
Stake Beel, 2 Ton	مهم	89 day de	80.00			
tand Touls	0 800	89day de	11.00		31	
OTAL EQUIPMENT COSTS		 	231.60 18.	TOTAL MATERIAL COSTS	\$	

0			CONTRACTOR	CONTRACT NUMB.
sı	JBCONTRACTOR REPORT		PEOCO ENV.	68-01-6899
			6894-05-008	June 7, 1984
40 011000177 4070 11111		21.SUBCONTRAC	T 23. REMARKS	•
19. SUBCONTRACTOR NAME	20. WORK DESCRIPTION	AMOUNT	+	
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				1863.97
1			24 20472427 254 112 412 117	
•			24. CONTRACT CEILING AMOUNT	\$500,000.00
			25. TOTAL ESTIMATED CONTRACT COS	303,068, Z
2. TOTAL SUBCONTRACT COSTS	· · · · · · · · · · · · · · · · · · ·	\$	26. TOTAL ESTIMATED COSTS TO COM	PLETE CONTRACT \$ 1969 31.2
certify that this report is a true and complete recoubcontractors which I ordered and authorized from ontract.	ord of the labor, supervision, travel, equipment, in the contractor in the performance of the abov	materials, and e-cited	I certify that this report is a true and comple equipment, materials, and subcontractors pr ance of the above-cited contract.	ete record of the labor, supervision, travel
ignature of 600 Representative	Time Arrived on Scene	Time Departed	Signature of Contractor's Authorized Repres	
Harrie IM. Carlina	6/14/84 8:00	12:00	Michal & Hast	(26)
PA Form 1900-55 (1-82)			iginal - On-Scene Coordinator	<u> </u>

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OMB	Approva	i No.	20	228
Feet	dian De	4a. C.	•/	

	CONTRACTOR ACENCY				CONTRA	CTOR			Expiration Date: 6-3: CONTRACT NUMBER	
HAZARDOU	ONMENTAL PROTECTION AGENCY JS SUBSTANCE RESPONSE FUN		_		1	Envir	00 men	tal 1	68-01-6	
CON	TRACTOR COST REPORT					ENT NUM			DATE	874
CONTR/	ACTOR PERSONNEL REPORT					- 05-)	Jone 8	, 1984
		3, HOURLY LAS			OURS LOYED	5.	6. TOTAL HOURS			S. TOTAL
1. EMPLOYEES ASSIGNED	2. WORK CLASSIFICATION	REGULAR	OVERTIME	FROM	то	BREAK TIME	REGU- LAR	OVERTIME	7. TRAVEL AND SUBSISTENCE COSTS	PERSONNEL COSTS
Dick Hook	Foremon Lv 3 (Electrical)	33.60		8	9		1			33.40
Dick Hook (from June 6,1984)	Foreman Lul. 3 (Electrical)	33.60		8	9		1			33.60
		L				<u>. </u>		FOTAL P	ERSONNEL COSTS	67.20

CONTRACTOR—OWNED EQU					<u> </u>	CONTRACTOR PEDC. Environmental	CONTRACT NUMB			
	TEMEN I /R	MA I E N IZ	ALS REPORT	·		ASSIGNMENT NUMBER 6899 - 05-008	DATE S	1984		
	 	AS USED	COST	12. TOTAL	13. TOTAL	,		17. TOTAL		
9. EQUIPMENT USED	FROM	то	PER HOUR	HOURS	COST	18, MATERIALS USED	16. QUANTITY	COST		
equipment Truck	8	9	14/4-	1	14.00					
				·						
quipment Truck (From June 6, 1984)	8	9	14/11-	1	14.00					
(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,										
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OTAL EQUIPMENT COSTS	_ 		<u> </u>	\$ Z	8.06 18	, TOTAL MATERIAL COSTS	\$. <u> </u>		

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s	UBCONTRACTOR REPORT			ASSIGNMENT NUMBER	08-01-	8 1984
19. SUBCONTRACTOR NAME	20. WORK DESCRIPTIO	21.SUBCONTA	IACT 23.			
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	·					95.20
) 			24. 0	CONTRACT CEILING AMOUNT		\$ 500,000
.,			25, 1	TOTAL ESTIMATED CONTRACT COST	IS TO DATE	\$ 303/63,93
22. TOTAL SUBCONTRACT COSTS		•	26. 1	OTAL ESTIMATED COSTS TO COMPI	ETE CONTRACT	\$ 1968 36.07
I certify that this report is a true and complete rec subcontractors which I ordered and authorized fro contract.	ord of the labor, supervision, travel, equ m the contractor in the performance of	pipment, materials, and the above-cited	equir	tify that this report is a true and complet oment, materials, and subcontractors pro of the above-cited contract.		
Signature of the Representative	Time Ar Scene	rrived on Time Departed	Signa	ture of Contractor's Authorized Represe	ntative	Date 6
Daniel Il Coplece	914/83 NO	on ste	أزيا	We Sale Hal	(T)	1/14/14
EPA Form 1900-55 (1-82)			Copy 1	- On-Scene Goordinato/ - Contractor - Procurement	<i>J</i>	Page 3 of 4

Form Asproved OMB Approvel No. 2000 0285
Expiration Date: 6-30
CONTRACT NUMBER. US ENVIRONMENTAL PROTECTION AGENCY CONTRACTOR HAZARDOUS SUBSTANCE RESPONSE FUND PEDC - Environmental 68-01-6894 CONTRACTOR COST REPORT ASSIGNMENT NUMBER DATE **CONTRACTOR PERSONNEL REPORT** June 11, 1984 6894-05-008 3. HOURLY LABOR 4. HOURS EMPLOYED 6. TOTAL HOURS 8. TOTAL PERSONNEL COSTS 7. TRAVEL AND SUBSISTENCE COSTS 1. EMPLOYEES ASSIGNED REGULAR OVERTIME OVER-2. WORK CLASSIFICATION FROM TO BREAK AEGU-TIME LAR TIME Dick Hook 201.60 Foreman Lul 3 800 430 30 33.40 (Electrical)

EPA Form 1900-55 (1-82)

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Copy 1 — Centractor
Copy 2 — Presurement

Page 1 of 4

201,60

TOTAL PERSONNEL COSTS

								<u> </u>
CONTRACTOR-OWNED EQUIP	PMENT/A	MATERIA	LS REPORT			PEDC. Environmental	CONTRACT NUMB	
	1					899 - 05 - 003	DATE	11,19 \$4
	10. HOU	RS USED	11. COST	12. TOTAL	13. TOTAL			17. TOTAL
9. EQUIPMENT USED	FROM	то	PER HOUR	HOURS	COST	16. MATERIALS USED	16. QUANTITY	COST
CARBON UNITS, 20,000 # (5units)			3525/mo.	month	17625.00			
Equipment Truck			14/hr	doy	75.00			
Hanel Tools			"/clay	day	75.00 11.00			
TOTAL EQUIPMENT COSTS				. 17,	744.00 18.T	OTAL MATERIAL COSTS		

sı	JBCONTRACTOR REPORT	0	PEDC'S Environmental ASSIGNMENT NUMBER	CONTRACT NUMBER (8 . 0/- 6874
			6894-05-008	ASSIGNMENT NUMBER 1894-05-008 JUNE 11, 1984 17, 912. 60 CONTRACT CEILING AMOUNT TOTAL ESTIMATED CONTRACT COSTS TO DATE TOTAL ESTIMATED COSTS TO COMPLETE CONTRACT \$178,923,47
19. SUBCONTRACTOR NAME	20. WORK DESCRIPTION	21.SUBCONTR AMOUNT	ACT 23. REMARKS	,
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	1			
			 	
				17,912.60
			24. CONTRACT CEILING AMOUNT	\$ 500,000,00
			25. TOTAL ESTIMATED CONTRACT COS	TS TO DATE \$321, 076.5
22. TOTAL SUBCONTRACT COSTS		\$	26. TOTAL ESTIMATED COSTS TO COMP	LETE CONTRACT \$ 178,923,47
I certify that this report is a true and complete reco subcontractors which I ordered and authorized fror contract.	ord of the labor, supervision, travel, equipm in the contractor in the performance of the	nent, materials, and above-cited	I certify that this report is a true and comple equipment, materials, and subcontractors pro ance of the above-cited contract.	te record of the labor, supervision, travel, wided by the contractor in the perform-
Signature of the Representative	Time Arrive Scene	d on Time Departed	Signature of Contractor's Authorized Repres	
Dervill M. Caplice	ear o	n site	Michael Chill	14 6/2/21
EPA Form 1900-55 (7-82)			Original — On-Scene Coordinator, Copy 1 — Contractor Copy 2 — Procurement	Page 3 of 4

US EN	VIRONMENTAL PROTECTION AGENCY			CONTRA	CTOR			Form Approved OMB No. 2000-0285 Approval expires 8-3 CONTRACT NUMB	<u> </u>	
HAZARI	OOUS SUBSTANCE RESPONSE FUN CONTRACTOR COST REPORT	D			Env		n Tel	68-01-6894		
CON	TRACTOR PERSONNEL REPORT			1,89	4. 05	- 00	ب	June	12,1924	
		3. HOURLY LABOR RATE		OURS OYED	5.	6. TO	JAS	7. TRAVEL AND	8. TOTAL	
1. EMPLOYEES ASSIGNED	2. WORK CLASSIFICATION	REGULAR OVERTIME	FROM	то	BREAK TIME	REGU-	OVER- TIME	SUBSISTENCE COSTS	PERSONNEL COSTS	
Mike Hessling	Response Monager	52.50	8:00	16:30	30	8		60*	4800	
Tom Dewey	Foremon Lul.	33.60	8.00	16:30	30	8			268,80	
Doug Roberts	Welder/Pipalitter	31.50	8:00	16:30	30	8			252.00	
Loyal Case beer	P.pelitter	31.50	8:00	16:3Þ	30	8			252,00	
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		·				ļ				
*Does no	t include Trevel Cost	ts, will be bill	4 La	ta			TOTAL P	ERSONNEL COSTS	/257 80	

								<u> </u>	
			-			PEDC. Environmental	CONTRACT NUM		
CONTRACTOR—OWNED EQUI	PMENT/N	MATERIA	LS REPORT			ASSIGNMENT NUMBER	DATE		
	·					6894-05-008	June	0 17 1484	
	10. HOU	RS USED	11.	12.	13.			17.	
9. EQUIPMENT USED	FROM	то	COST PER HOUR	TOTAL HOURS	TOTAL COST	15. MATERIALS USED	16, QUANTITY	TOTAL COST	
Haml Tooks (7 sets)	800	/63°	11/Jay	day	22.00	20,000 Carbon	29000#	21,500	
F-1-1		İ	ı.						
Stake Bel, 2 Ton	800	1006	16/hr	2	32.00				
Calgor Carbon Vit									
Ain Composessor	800	16 30	95/Jaj 5/Jaj	day	95.00				
Loddes (2)	80	1630	5/201	day	10.00				
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				,					
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TOTAL EQUIPMENT COSTS		<u>-</u>		\$ 15°	7.00	18, TOTAL MATERIAL COSTS	\$ 21,5	500	

0	SUBCONTRACTOR REPORT	0	CONTRACTOR. PEDC. Erriconmental	68.01-694
			ASSIGNMENT NUMBER	DATE 12, 1984
19. SUBCONTRACTOR NAME	20. WORK DESCRIPTION	21.8UBCONTRAC	T 23. REMARKS	
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				77,911.80
		ĺ	24. CONTRACT CEILING AMOUNT	\$ 500,000,00
			25. TOTAL ESTIMATED CONTRACT COS	STS TO DATE \$ 343, 988,33
22. TOTAL SUBCONTRACT COSTS		8	26. TOTAL ESTIMATED COSTS TO COM	PLETE CONTRACT \$ /56,011.67
subcontractors which I ordered and authorize contract.	e record of the labor, supervision, travel, equipment, d from the contractor in the performance of the abou	materials, and e-cited	I certify that this report is a true and complequipment, materials, and subcontractors prance of the above-cited contract.	
Signature of OSC Representative Light Light Constitution	101 6/14/84 Scene 8:00	Time Departed	Signature of Contractor's Authorized Repre	sentative Date
EPA Form 1900-55 (1-82)	1-/	Or	iginal - On-Scene Coordinato/	

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

Form Approved
OMB Approval No. 2000-0255
Expiration Date: 6-30 CONTRACTOR CONTRACT NUMBER. US ENVIRONMENTAL PROTECTION AGENCY HAZARDOUS SUBSTANCE RESPONSE FUND PEDC. Environmental 68.01- 6894 CONTRACTOR COST REPORT ASSIGNMENT NUMBER DATE June 13, 1984 6894. 05-008 **CONTRACTOR PERSONNEL REPORT** 3. HOURLY LABOR 4. HOURS 6. TOTAL RATE EMPLOYED HOURS 8. TOTAL PERSONNEL COSTS 7. TRAVEL AND SUBSISTENCE 1. EMPLOYEES ASSIGNED REGULAR OVERTIME REGU- OVER-2. WORK CLASSIFICATION FROM TO BREAK COSTS TIME LAR TIME 8:00 1830 60 30 52.50 64.10 8 672.30 Mike Hessling Response Monager 30 8 8.00 1630 268.80 33.60 Earle Cummings 268.80 1630 30 Tom Dewey 133.60 Foreman, Lul 3 252.00 20 8:00 1630 Doug Roberts Loyal Coscheer Dich Hook Welder 31.50 8 252.00 8.00 16:30 30 31.50 67. Zb 1200 1400 2 33.40

EPA Form 1900-55 (1-82)

Original — On-Scene Coordinator Copy 1 — Contractor

Copy 2 - Procurement

Page 1 of 4

1781.10

TOTAL PERSONNEL COSTS

								<u> </u>
					<u> </u>	CONTRACTOR	CONTRACT NUME	
CONTRACTOR—OWNED EQU	IDMENT/	MATERIA	L C DEPORT			PEDCO Environmental	48-01-	6899
COMMINSTON—OMNED EGO		MA I ENIA	LO NEFONT			ASSIGNMENT NUMBER 4894-05-00×	DATE June 1	3,1984
9. EQUIPMENT USED	10. HOL	JRS USED	11. COST PER HOUR	12. TOTAL HOURS	13. TOTAL COST	16. MATERIALS USED	16, QUANTITY	17. TOTAL COST
Stake Beel, 2 Ton	800	1600	80/Jay	day	\$0.00	Steel Pipe & Fittings	miss.	Bill Later
Hand Tools	800	1600	"/Doy	day	11.00	Aluminim Lalelor	14'	B11 Later
Welding Mochine			14/hr			Torp		Bill Later
weizing 1-102 hine						1 . 1 ~ 1 ~ 4 ~ 7 1		Bill Later
Grooving Maching			45/Jay	1 '	ř	Aluminim orghis i Hazluar	Inise.	Bill Leter
Hand Tools (2 Sets)	800	1600	"/clay	day	22.00 10.00	Steel Angle & Gret mg	AZ pes.	B.11 Later
Laddens (2)	800	1600	5/day	day	10.00			
· · ·								
•.								
4. TOTAL EQUIPMENT COSTS				* ZZ	4.00	18. TOTAL MATERIAL COSTS	• - 0	

()		-	CONTRACTOR	CONTRACT NUMB.
SUI	BCONTRACTOR REPORT		PEDCO Environmental	68.01-6894
				DATE 13 /854
			6894 - 05 - 00 N	June 13, 1984
19. SUBCONTRACTOR NAME	20. WORK DESCRIPTION	21.SUBCONTRACT	23. REMARKS	
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	20. WORK DESCRIPTION		+	
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1				2005.10
1			24. CONTRACT CEILING AMOUNT	\$ 630,000,00
•				\$ 500,000.00
·			25. TOTAL ESTIMATED CONTRACT COST	TO DATE \$ 345, 993.43
· · · · · · · · · · · · · · · · · · ·				
22. TOTAL SUBCONTRACT COSTS		\$	26. TOTAL ESTIMATED COSTS TO COMPL	ETE CONTRACT \$154,006,57
certify that this report is a true and complete recorubcontractors which I ordered and authorized from	a or the labor, supervision, travel, equipment, the contractor in the performance of the abo		I certify that this report is a true and complete equipment, materials, and subcontractors prov	
ontract.			ance of the above-cited contract.	
Representative	Time Arrived on Scene	1	Signature of Contractor's Authorized Represen	l / .
		20:00		19/1/24
Sowil II Caption				, , , , , , , , , , , , , , , , , , , ,
PA Form 1900-55 (1-82)	•	Сор	ginal — On-Scene Coordinator y 1 — Contractor	Page 3 of 4
		Сор	y 2 — Procurement	· -#- # #· ·

HAZAR	VIRONMENTAL PROTECTION AGENCY DOUS SUBSTANCE RESPONSE FUNI CONTRACTOR COST REPORT				CONTRAC		CONTRACT NUN.	6894		
	TRACTOR PERSONNEL REPORT				ASSIGNM 6894	ent num	BER - OO!	₹	DATE JUNE	14,1984
7 7		S. HOURI	Y LABOR	4. H	OURS	Б.	6. TO	TAL JR\$	7. TRAVEL AND	
1. EMPLOYEES ASSIGNED	2, WORK CLASSIFICATION	MEGULAR	OVERTIME	FROM	τo	BREAK	REGU-	OVER- TIME	SUBSISTENCE COSTS	8. TOTAL PERSONNEL COSTS
Mike Hessling	PRESPONSE MANAGER	52 50		F! 00	16:30		8		00*	480.00
Eorl Cummings	CARPENTER	23.10		8:00	16:30		8			184.80
Janes E. Jesse	du man dust the				15/5		-			
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"T 10	its not included, wil	1 4 1	11-11-	ter	<u> </u>			TOTAL 4	PERSONNEL COSTS	

CONTRACTOR—OWNED ED	W 11004507 5	44 * FO:					CONTRACTOR PEDC. Environmental	CONTRACT NUMBER 68-01-68-14		
CONTRACTOR—OWNED ED	IUIPMEN I /	MATERIA	LE REPORT	·		···	ASSIGNMENT NUMBER	June 14, 1984		
	10. HOU	RS USED	11. COST	12. TOTAL		13. OTAL			17. TOTAL	
9. EQUIPMENT USED	FROM	то	PER HOUR	HOURS		COST	16. MATERIALS USED	16. QUANTITY	COST	
2 Ton Ponel Trucky	200	1630	00/day	Soy	80.	00				
Hand Tools	800	1630	11 /day	אטע	11.	00				
			1]		
	i									
			li							
TOTAL EQUIPMENT COSTS			<u></u>	. 9	1.0		TOTAL MATERIAL COSTS		0 —	

EPA Form 1900-65 (1-82)

Driginal — On-Scene Coordinator Copy 1 — Contractor Copy 2 — Procurement

	SUBCONTRACTOR REPORT		CONTRACTOR PEDC - Environmental ASSIGNMENT NUMBER 6894-05-008	CONTRACT NUMBER 68-67-68-4 DATE June 14 1984
19. SUBCONTRACTOR NAME	20. WORK DESCRIPTION	21.8UBCONTRACT	23. REMARKS	
Drake Insulation	Insulate piping in Dry Well	2,223.02		
	3% Handling Charge	66.69		
			DAIL	3045.5 -Y 13
į.			24. CONTRACT CEILING AMOUNT	: 500,0
			28. TOTAL ESTIMATED CONTRACT COST	34 9,05
2. TOTAL SUBCONTRACT COSTS		•2,289.71	28. TOTAL ESTIMATED COSTS TO COMPL	ETE CONTRACT \$ 150,961.
	ocord of the labor, supervision, travel, equipment, more than the contractor in the performance of the above	-cited	I certify that this report is a true and complet equipment, materials, and subcontractors pro- ance of the above-cited contract.	
April M. Caslis	Time Arrived on Score 9:00	Time Departed	Signature of Congressor's Authorited Reprise Michael Congressor	Date 7/9/8
FA Form 1900-56 (1-62)		Cop	ginal — On-Scene Coordinator by 1 — Contractor by 2 — Procurement	Paga

			-		- T				Approval expire	14
HAZANDOU	NMENTAL PROTECTION AGENC'S SUBSTANCE RESPONSE FUN	, 10			PEDC.	Envir	on Men	tal.	CONTRACT NUM	
CON	TRACTOR COST REPORT				ASSIGNM	ENT NUM	BER		DATE	. 6874
CONTRA	CTOR PERSONNEL REPORT					. 05- 0		ľ	6/26/80	4
		3. HOURL	S. HOURLY LABOR RATE		4. HOURS EMPLOYED		6. TO HOU	TAL JRS		8. TOTAL
1. EMPLOYEES ASSIGNED	2. WORK CLASSIFICATION	REGULAR	OVERTIME	FROM	то	BREAK TIME	REGU- LAR	OVER- TIME	7. TRAVEL AND SUBBISTENCE COSTS	PERSONNI COSTS
WEEK ENDING 4/84	*	;								
Specified & Orderal Transformer) Loc Stockwell	~	47.30					2		}	94.6
lim Kurtz		47.30					5			236.5
Week Engina 6/8/84 Site Inspection)										
Joe Stockwell		47. 30					9		**	425.7
WEEK ENQUIA 6/22/24 As-Built Drawings)	*									
Joe Stockwell	ļ <u> </u>	47.30		 			2	<u> </u>	 -	94.6
Dave Hildebronett		47.30					13	-		U14.9
f See M. Hessling le	Her of Aug. 29 for	. Leta.k	l Je	er 1	tion	. lot	en is	11	ofe fad.	
* Travel Costs not	nelulal, will be	billed	later			-			ERSONNEL COSTS	1466.
Farm 1900-85 (1-82)			- On-Beens Co	and in star						

CONTRACTOR—OWNED E	OUIPMENT/MATERIA	II & REPORT	:	-	CONTRACTOR PEI, Inc	CONTRACT NUM	6894
				<u> </u>	ABGIGNMENT NUMBER	DATE JUNE 7	6,1984
9. EQUIPMENT USED	10. HOURS USED	11, COST PER HOUR	12, TOTAL HOURS	13. TOTAL COST	15. MATERIALS USED	18. QUANTITY	17. TOTAL COST
				SUMMIT	Probes (MCR1-100_)) 11	
				NOUSTRIES	Control Switches (13DJ3-300		
					Probe Fittings (ULJZ-100)		
				HOPFMAN	Grad. Probe Fitting (41801-10 Top Soil (5/24/84)		26.00
				Brothers	Mortor Mix (5/24/84) (8/25/84)	3 bogs	11.10
					Sow Blodes (5/25/84		35.00
					Bales Tax on Matils from Hoffman Brus. on 6/24 & 6/25	<u></u> .	4.33
				ALRO Steel	Grating to Cover SUMP & Support Ank (5/25/8	5 pc.	52.79
				GALLOVA	Steel Pipe & Fittings	Sec Involve	2399.45
ş			ij	Hendall Industrial	Tarp, Screen, Angle, & Hardware to Support	See Invoige	229.75
				Houter Press	Misc. Piping Materials purchased by Hunter Prell, See Invoices Attached for Detail:		
					Invoice of 5/31/94 Invoice of 7/18/84	DEE	2419.95
					(5th Unit & Rimp Co	- X	507.78
DTAL EQUIPMENT COSTS			8		18. TOTAL MATERIAL COSTS	& Continued	

CONTRACTOR OWNERS	O UDÁCENT A	ATEDIA		**		CONTRACTOR PEI, Inc.	CONTRACT NUM	
CONTRACTOR—OWNED I	CUIPMEN I/N	MAI EKIAI	LS REPORT			ASSIGNMENT NUMBER UP94-05-008	DATE 6-26	,- 84
9. EQUIPMENT USED	10. НО U FROM	RS VSED	11. COST PER HOUR	12. TOTAL HOUND	ts. TOTAL COST	16. MATERIALS USED	16. QUANTITY	17. TOTAL COST
					HONTER PARLL	Fuel Adjustment for Hunter Prell. 1900-555 Show a total of 90 gollons @ 1.25/gal. Between 5/16 and 5/25 Hunter Prell bill shows 104 gallons @ for \$127.35 (5/18 5 5/22 om.ttal from	± 1/7.50	4 20
					HUNTER	1900-55s) Fund For Hunter Peell	4 galluns	14.80 (
					Unión Electric	Misc. electrical supplies purchased by Union Electric. Seel invoices for Details (Attacked)	See Invect	3515.78
					Union Ekstric	4% Sales Tax on Abore Union Electric Mat'ls.		140.63
					Murray Construction	Misc Lumber Nails, etc. Purchased by Murray Construction, Bec invoices for Details (invoices Attached)		U50.25
						SUBTOTAL		12709.86
						3% H.C.		381.30
. TOTAL EQUIPMENT COSTS				•		18. TOTAL MATERIAL COSTS	• 1	3091.16

	SUBCONTRACTOR REPORT		PEDG ENVIRONMENTA	CONTRACT NUM (B-0) DATE ()26	-6894
19. SUBCONTRACTOR NAME	20. WORK DESCRIPTION	21.SUBCONTRACT			
EMLRY	Air transportation of Probes & Level Controls	79.00	Con whit.		
PEDCo Environmental	LAB ANALYSIS, 6/5/84 10 Samples	1120.00	* Pun/Pu	•	
PEDC. Environmental	LAB ANALYSIS, 6/12/04 4 Sampks	448.00	7		
PEDC. Environmental	LAB ANALYSIS, 6/19/84	1/20.00			
PEDC. Environmental	LAB ANALYSIS 6/26/84	1008.00			
	37. Handling Charge on Emery Bill	2.37	DA	ILY F	8, 334.83
			24, CONTRACT CEILING AMOUNT		\$500,000
			28. TOTAL ESTIMATED CONTRACT COST	S TO DATE	361,3137
22. TOTAL SUBCONTRACT COSTS		• 3,7 77.37	28. TOTAL ESTIMATED COSTS TO COMPL	ETE CONTRACT	\$ 132,626.23
Contribution this report is a true and complete subcontractors which fordered and authorized contract.	record of the labor, supervision, travel, equipment, ma from the contractor in the performance of the above-	starials, and cited	I certify that this report is a true and complete equipment, materials, and subcontractors provance of the above-cited contract.	rided by the contrac	
Signature of any gapracontative	7 9/N/84 Scene W/A	I /A	Signature of Contraggor's Authorized Reputer	ntative 4	7/7/84
EPA Form 1900-56 (1-82)		Ćo	iginal — On-Scene Coordinator py 1 — Contractor py 2 — Procurement		Page 3 of

US ENVIRONMENTAL PROTECTION AGENCY
HAZARDOUS SUBSTANCE RESPONSE FUND CONTRACTOR CONTRACT NUMBER PEI, Inc. 68-01-6894 CONTRACTOR COST REPORT ASSIGNMENT NUMBER 7/5/84 6894-05-008 **CONTRACTOR PERSONNEL REPORT** S. HOURLY LABOR 4. HOURS EMPLOYED 6, TOTAL HOURS 7. TRAVEL AND SUBSISTENCE COSTS S, TOTAL PERSONNEL COSTS REGU- OVER-REGULAR OVERTIME 1. EMPLOYEES ASSIGNED 2. WORK CLASSIFICATION FROM TO BREAK TIME Foreman 8 Tom 33.60 268 80 . 5 0800 11630 . 3 252.00 31.50 Roberts 0800 1630 8 Doug 520.80 TOTAL PERSONNEL COSTS

					CONTRACTOR	CONTRACT NUMLE			
CONTRACTOR-OWNED E	QUIPMENT/MATER	IALS REPORT			PEI, Inc.	68 01-6	894		
					ABSIGNMENT NUMBER	DATE 7 /5/84	7 /5/84		
			T	· · · · · · · · · · · · · · · · · · ·	08-74-03-03	1 1 1 1 1	<u> </u>		
	10. HOURS USE	11.	12,	12,			17.		
9. EQUIPMENT USED	FROM TO	COST	TOTAL HOURS	TOTAL	15. MATERIALS USED	16. QUANTITY	TOTAL COST		
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TAL EQUIPMENT COSTS				0-	. TOTAL MATERIAL COSTS	0			

			CONTRACTOR	CONTRACT NUA
. SUB	CONTRACTOR REPORT		PEI Inc	68-01-6294
			ASSIGNMENT NUMBER	7 /5 /84
19. SUBCONTHACTOR NAME	20. WORK DESCRIPTION	21.8UBCONTRA	CT 23. REMARKS	
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,			DAILY	520.80
			24. CONTRACT CEILING AMOUNT	\$200,000.00
			28. TOTAL ESTIMATED CONTRACT CO	STS TO DATE \$367, 894.57
22. TOTAL SUBCONTRACT COSTS		·- o -	28. TOTAL ESTIMATED COSTS TO CO	MPLETE CONTRACT \$/32,105.43
I certify that this report is a true and complete reconsubcontractors which I ordered and authorized from contract.	d of the labor, supervision, travel, equipme the contractor in the performance of the d	int, materials, and above-cited	I certify that this report is a true and comequipment, materials, and subcontractors ance of the above-cited contract.	plete record of the labor, supervision, travel, provided by the contractor in the perform-
Signature of 990 Representative	Time Arrived	on Time Departed	Signature of Contractor's Authorized Pep	resentative Date
Daniel M. Castle	9/N/84 NA	NA	Michael - flas	spering 8/28/54
EPA Form 1900-56 (1-\$2)	-		Original — On-Scena Coordinator 7 Copy 1 — Contractor Copy 2 — Procurement	Page 3 of 4

									Ports Approved OMB No. 2000 Approved expire	
HAZARDO	ONMENTAL PROTECTION AGENCY US SUBSTANCE RESPONSE FUN	D			CONTRA	Enviro	T	t-1	CONTRACT NUMBER	
	ACTOR PERSONNEL REPORT				ASCION	MENT NUN	969		DATE July 9	
		8. HOURI	8. HOURLY LABOR		4. HOURS EMPLOYED		6. TOTAL HOURS			
1. EMPLOYEES ASSIGNED	2. WORK CLASSIFICATION	REGULAR	OVERTIME	FROM	ŧο	BREAK	REGU-	OVER- TIME	7. TRAVEL AND SUBBISTENCE COSTS	9. TOTAL PERSONNEL COSTS
like Hessling	Response Manager	52.50		0800	1700	Ihr	প্ত			420.00
Week Ending 7/1/84 (As-built Drawings)										
Joe Stockwell *	Engineer	47.30	<u> </u>	 	ļ	<u> </u>	2			94.60
Brancht Gunker *	Engineer	47.30		<u> </u>	<u> </u>	<u> </u>	11	<u> </u>		520.30
7?										
J								; ;		
# For Detailed de	scription of activities.	see At	tocher 1	etter	·FA	9 29.	<u> </u>	TOTAL P	ERSONNEL COSTS	1034.90

CONTRACTOR—OWNED EQU	PMENT/MATER	ALE REPORT			CONTRACTOR PEI	CONTRACT NUMB	6894	
			بشدسو		ABSIGNMENT NUMBER 4894-05-008	July 9, 1984		
	10. HOURS USE	11. COST	12, TOTAL	19. TOTAL		/	17. TOTAL	
P. EQUIPMENT USED	FROM TO	PER HOUR	HOURS	COST	18. MATERIALS USED	16. QUANTITY	COST	
0,000 #Activotel Carbon Units (5)		3525/mo.	month	17, 625.00				
, 								
				,				
OTAL EQUIPMENT COSTS		J	17	1.25.00 m	TOTAL MATERIAL COSTS	- 0	l) ⊶	

SU	JBCONTRACTOR REPORT		CONTRACTOR PEDC. Environmental ASSIGNMENT NUMBER 6841.05-008	LR-01 -	6894
19. SUBCONTRACTOR NAME	20. WORK DESCRIPTION	21.8UBCONTRACT	23. REMARKS		
PEDC. Environmental	LAB ANALYSIS, 7/2/04 8 Samples	896.00			
PEDCo Environmental	LAB ANALYSIS 7/6/84 8 Samples	896.00		·	
Consumers Power	Prental of Transformer	120.00			
	3% H.C. on Transformer	3.60			
			DA	20. ILY 29	575.50
			24. CONTRACT CEILING AMOUNT 25. TOTAL ESTIMATED CONTRACT CO	STS TO DATE	\$500,000 300470.0
IZ. TOTAL SUBCONTRACT COSTS		1916.60	28. YOTAL ESTIMATED COSTS TO COM	<u></u>	•
certify that this report is a true and complete recubentractors which I ordered and authorized fromtract.	cord of the labor, supervition, travel, equipment, ma orn the contractor in the performance of the above-c	ited	Leartify that this report is a true and comple equipment, materials, and subcontractors pr ance of the above-cited contract.		
Saniel M. Cashe	i 9/N/34 Time Arrived on Scane NA	Time Departed	Signature of Contractor's Authorized Repre		1/9/81
PA Form 1900-86 (1-8ft)		Cor	ginel — On-Scene Coordinator py 1 — Contractor py 2 — Procurement		Page 3 o

HAZARDOUS SUBSTANCE RESPONSE FUND CONTRACTOR COST REPORT						TOR FAV. ENT NUM - 05	BER		ONE ACTIONS ONE ACTIONS ONE ACTION CONTRACT NU 68-01-6894 DATE Aug 9, 1984	
		3. HOURI	Y LABOR	4, H EMP	OU MS LOYED	5.	6. TOTAL HOURS		7. TRAVEL AND	9 70*44
1. EMPLOYEES ASSIGNED	2. WORK CLASSIFICATION	REQULAR	OVERTIME	FROM	то	BREAK	REGU-	OVER-	SUBSISTENCE COSTS	8. TOTAL PERSONNEL COSTS
Mike Hesslina	Response Manager	52.5°		೧೬೦೬	.7011		4		-	210.00
C. WEBB JA. 7-15-84	Engineer : Final Revision Prior to 1883ing As Bull Drowings						1/2			23.65
Pick Goodman	Loborer	15.80		Week	endi	1976	5			79.00
			1]	Week	endin	1/13	5			79.0
				Week	endin	1/20	5			79.0
				Weel	enclin	7/27	5			79.0
				Weel	Endin	8/3	5			79.0
TRAVEL EXPENSES NOT PREVIOUSLY BILLED:										
Mike Hessling	1/25/84 - Airline	Charge	ļ]		335.00	335.00
	5/29/24 1 5/31/24 - Previously Shown @ 3 Adjustment to	1/.nc 134.00 cetul	Changes on 6/7 Change	F#4.	32.00	ŀ			(2.00)	(2.00
} *	G/11/84 thru 6/14/84 -	Air Fa	~						559.00	559.00
	Rental Cor 6/11-6/A		1			j .			171.51	171.51
loc Stockwell	6/11/84 - Air Fore				T			[350.00	350.00
	<u> </u>	L	l	<u> </u>	<u> </u>	<u> </u>		TOTAL :	PERSONNEL COSTS	2042.16

CONTRACTOR—OWNED EQ	II GŠ IENTŠ	ATERIA	I & AFRONS	- 1, 11, 11, 1		****	CONTRACTOR PEDC - Environmental	CONTRACT NUMBER		
COMPACION-OWNED ECH	JIPWEN 1 /N	ATERIA	ILB MEPOH I				SOO - 40 - 6834	DATE 9	, 1984	
	10 . HOU	19 USED	11. COST	12. TOTAL	15, TOTAL				17. TOTAL	
9. EQUIPMENT USED	FROM	то	PER	HOURS	COST		16. MATERIALS USED	16. QUANTITY	COST	
20,000 * Corbon Units (5)		_	3525 mo. ea	month	17,625	Tra	instormer (uno)	}	4986.00	
						4.90	" Ells & 1 Flonge (Peterneel)	g 5 pc.	(835. 17)	
						14" E	Butterfly Values (Returned)	6) Z	(1271-76)	
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, total equipment costs				0/7,	625.00	18, 101	AL MATERIAL COSTS	• 2879.	U7	

1		SUBCONTRACTOR REPORT		ASSIGNMENT NUMBER 62-14-05-008 Aug 9	
	19. SUBCONTRACTOR NAME	20. WORK DESCRIPTION	21.BUSCONTRAC AMOUNT	T 23. REMARKS	
	The state of the s		1,000	, ·	
	for Wisconsin, Inc	Transportation from Airport	9.68	The Control of the Co	
	PEI LAB	VOA Analysis 7/12/84 8 Samples	896.00		
	PEI LAB	VOA Analysis 7/19/84 8 Samples	89600		
	PEI LAS	VOA Analysis 7/30/84 8 Samples	896. OU		
	PEI LAB	VOA Analysis 8/3/84 8 Samples	896.00		
	PEI LAB	VOA Analysis 8/4/80 8 Samples	896.00		
	EMERY	AIR TRANSPORTATION OF THE PUMP STARTERS FROM ALLEN- BRADLEY	73.14	79,	
	PEI LAB	ANALYSIS OF CHARCOAL TUBES FOR 1 COMPOUNDS	250.00		
_	Kelly	Water providing of Wet Well. Adjustment to bill (See invoice)	180.00		27 546 .9
		3% H.C. on Items	7.88	24. CONTRACT CEILING AMOUNT	\$5UV/00U.
L		2,8, :10		28. TOTAL ESTIMATED CONTRACT COSTS TO DATE	416,017 0
22	. TOTAL BUBCONTRACT COSTS		\$5000,70	28. TOTAL ESTIMATED COSTS TO COMPLETE CONTRACT	83,983.
sut	wrify that this report is a true and complete re becontractors which if ordered and authorized fi intract.	cord of the labor, supervision, travel, equipment, marrow the contractor in the performance of the above-c	terials, and ited	I certify that this report is a true and complete record of the laboraguipment, materials, and subcontractors provided by the contral ance of the above-cited contract.	
Sly	Sancil M. Case	Time Arrived on Score NA	Time Departed	Signature of Contractor's Authorized Representative Mechan Chesoling	8/24/24

US ENVIRONMENTAL PROTECTION AGENCY HAZARDOUS SUBSTANCE RESPONSE FUND CONTRACTOR CONTRACT NUMBER PEDCO Environmental 18-01-6899 CONTRACTOR COST REPORT ASSIGNMENT NUMBER CONTRACTOR PERSONNEL REPORT 6894-05-008 Sept. 9 1989 & HOURLY LABOR 4. HOURS 6. TOTAL 7. TRAVEL AND SUSSISTENCE COSTS 8. TOTAL PERSONNEL COSTS 1. EMPLOYEES ASSIGNED REGU. CHES 2. WORK CLASSIFICATION REGULAR OVERTIME FROM BREAK TIME LAR Aik Goodman 8/10 Laborer 18.80 Week Ending 79.00 Š 5 Week Ending 19.00 9/21 5 WeelEndin 19.00 6 79.00 5 79.00 End ina Mike Hooling Response Manager \$2.50 4 2/0 00 605.00 TOTAL PERSONNEL COSTS

EPA Perm 1900-85 (1-82)

CONTRACTOR—OWNED EQUIPMENT/MATERIALS REPORT	T		PEDO Extremment	68-01-69	954
		ABSIGNMENT NUMBER	DATE Sept 7		
10. HOURS USED 11.	COST TOTAL TOT				17. TOTAL
9. EQUIPMENT USED FROM TO PER - NO. 1	none	COST	18. MATERIALS USED	18. QUANTITY	COST
20,000 Activated month					
Corben Units (5) 3525/m	mosts	17,625.00			
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i i				:	
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, 1 1 1				1	
1 1					
4, TOTAL EQUIPMENT COSTS	11	285.00	TOTAL MATERIAL COSTS	0	

	SUBCONTRACTOR REPORT		CONTRACTOR PED C6 Environmental 68-01- ASSIGNMENT NUMBER 6894-05-005 Scot.	-6894
19. SUBCONTRACTOR NAME	20. WORK DESCRIPTION	21.8USCONTRACT		_
PEI Lab	VOA Analysis 8/16/84 8 Samples	896.00		
DEI LAG	VOA Analysis 8/23/84 8 Samples	896.00		
PEI LAB	VOA Analysis 8/31/24 8 Samples	896.00	•	
PEI LAB	VOA Analysis 8 Samples 9/7/84	896.00		
PEI LAB	VOA Analysis 8/28/84	112.00		
!				21,926.0
4.		1	24. CONTRACT CEILING AMOUNT	\$500,000.0
			26. TOTAL ESTIMATED CONTRACT COSTS TO DATE	437,943.0
. TOTAL SUBCONTRACT COSTS		.3694.00	28. TOTAL ESTIMATED COSTS TO COMPLETE CONTRACT	\$ 62,057.0
sartify that this report is a true and complete beantractors which & ordered and authorized intract.	record of the labor, supervision, travel, equipment, m I from the contractor in the performance of the above	cited	I certify that this report is a true and complete record of the labs equipment, meterials, and subcontractors provided by the contra ance of the above-cited contract.	or, supervision, tran actor in the perform
Daniel M.	Sleep 9/1/54 Time Arrived on Score WA	Time Departed	Michael Haston	P/11/84
PA Form 1900-58 (1-82)	The second secon	Orig Gen Cop	pel - On-Scene Goordifets! y 1 - Contracto y 2 - Procurement	Page 3 :

Form Approved	_
OMB Approval No. \$	85
Expiration Date: 6:3:	
CONTRACT NUMBE	

HAZAPIDI	HAZARDOUS SUBSTANCE RESPONSE FUND CONTRACTOR COST REPORT				PE:	T .			68-01-6894	
	RACTOR PERSONNEL REPORT				ABBIGNMENT NUMBER			8	Oct. 19	,1984
		S, HOURLY LABOR RATE		4. H EMPI	4. HOURS EMPLOYED		6. TOTAL HOURS		1	
1. EMPLOYESS ASSIGNED	2. WORK CLASSIFICATION	REGULAR	OVERTIME	FROM	to	BREAK TIME	REGU- LAR	OVER- TIME	7. TRAVEL AND SUBSISTENCE COSTS	8. TOTAL PERSONNEL COSTS
Mike Hessling	Response Mar.	52. 5 0		/3 00	1700		4			210.00
Rich Goodman	LABORER	15.80		Weck	of 9/	3/84	5		,	79.00
				Week		20/34				79.00
				Week	of %	7/84	5			79.00
DAVE HILDEBRANDT	Engineer	47.30			i	116/01	l			141.90
		<u> </u>		Wee/	of 9/	3/84				94.60
like Hessling (Mtg of 4/11/24)	Response Manager	82.50		0800	17:00	1:00	8			420.00
•					[]	}				
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		1] 					
	•									
		1								
					1					
								TOTAL P	ERSONNEL COSTS	1103.5

CONTRACTOR—OWNED EQUIP	MENT/M	ATERIA	LE REPORT			CONTRACTOR PEI		68-01-6	8 94
						ASSIGNMENT NUMBER		Oct 19	, । व श्व
9. EQUIPMENT USED	to. HOU!	RS USED	11. COST PER WA	12. TOTAL HOURS	13. TOTAL COST	15. MATERIALS US	ĒD	16. QUANTITY	17. TOTAL COST
Carbon Treatment Units 20,000 (Sunits)	3 Wee %25-	18/15	1175/wk	1/4.5 5.B	7050.00	Diazo Prints ((PEAS)	72 ft =	6.08
Carbon Treatment Unt. 20,000 (5 un.t.)	2 Wes	k Oper 1/27	tin 1175 wk	2 W/s	11,750.00				
Carbon Units erronea billed @ monthly Pet					17,625.00				
					·				
						i	H.C		.18
TOTAL EQUIPMENT COSTS				*	175.00	IB. TOTAL MATERIAL COSTS		•	6.26

	SUBCONTRACTOR REPORT		CONTRACTOR PEI	CONTRACT NULL	
·			ASSIGNMENT NUMBER	DATE Oct. 1	9,1484
19. SUBCONTRACTOR NAME	20. WORK DESCRIPTION	21.BUBCONTRAC	T 23. REMARKS		
PEI LABORATORY	# VOA Somples 9/18/84	896.00	1		
	8 VOA Somples 9/20/84.	896.00	-		
	4 VOA Samples 10/4/84	448.00		•	
	4 VOA Samples 10/11/84	448.00]		
	4 VOA Samples 10/11/84	44 8.00			
CALGON CARBON CORP	ACCELERATED COLUMN	2080.00			
Airborne	Dwgs. to MONA	14.00			
	Dwgs. to BRA Chicago	9.00			
·					
	H.C. on last 3 items	63.09	Daily	7586.8	5
, i		#	24. CONTRACT CEILING AMOUNT		\$500,000,0
			28. TOTAL ESTIMATED CONTRACT CO	OSTS TO DATE	445 .529.89
2. TOTAL SUBCONTRACT COSTS		•5302.09	28. TOTAL ESTIMATED COSTS TO CO	MPLETE CONTRACT	• 54,470.13
ubcontractors which I ordered and authorized frontract.	ecord of the labor, supervision, travel, equipment, ma rom the contractor in the performance of the above-	pterials, and cited	I certify that this report is a true and com- equipment, materials, and subcontractors ance of the above-cited contract.		
Serve M. Calle	Time Arrived on Scene WA	Time Departed	Signature of Contractor's Authorised Rep	wig .	10/22/84
PA Form 1900-56 (1-82)	, , , , , , , , , , , , , , , , , , , ,	C	riginal — On-Scene Coordinator ppy 1 — Contractor ppy 2 — Procurement		Page 3 of

									Porm Approval OMB No. 2000 Approval expin	<u></u>
	NVIRONMENTAL PROTECTION AGENCY RDOUS SUBSTANCE RESPONSE FUN CONTRACTOR COST REPORT				4	Assno			CONTRACT NUM.	
CO	NTRACTOR PERSONNEL REPORT			· 	ASSIGNA SR 4A	- 0,5	BER	•	October	22, /984
		3. HOUR	Y LABOR	4, H EMPI	4. HOURS		6, TO	TAL JRS	7. TRAVEL AND	B TOTAL
1. EMPLOY ÉES ASSIGNE O	2. WORK CLASSIFICATION	REGULAR	OVERTIME	FROM	то	BREAK	REGU-	OVER- TIME	7. TRAVEL AND SUBSISTENCE COSTS	B, TOTAL PERSONNEL COSTS
Mike Hessling	Response Manager	52.50		1900	1730	30	8		40.00	480.00
Tom Dewey	Foreman	33.60		0830	1500		6/2			2/8.40
Bob Pope	Welder	31.60		0830	1500		6/2			204.75
Vic Pershina	Mechanic	26.30		6 530	1500	_	6/2			170.95
Horvey Shoup	Equip. Operator	25.10		15 00	1430	_	21/2			55.25
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			<u> </u> 						1	
			 		<u> </u>	 		TOTAL P	ERBONNEL COSTS	1129.35

EPA Form 1990-55 (1-82)

CONTRACTOR-OWNED EQU	IPMENT/MATERIA	LS REPORT	. ==		PEI Ansociates Inc	CONTRACT NUM.	6844	
					ASSIGNMENT NUMBER	Oct. 22	, 1484	
	10. HOURS USED	11, COST	12, TOTAL	12. TOTAL			17. TOTAL	
9. EQUIPMENT USED	FROM TO	FROM TO PER HOURS COST			16. MATERIALS USED	16, QUANTITY	COST	
Compressor		W/day	do	98.00	S		-49	
Backhoe		32.00	- 1/0	90,00		444	-	
Sale But Trock								
Cutting Torch		Yarı	25	20.00				
Hand Tools		11/20	do	11.00	,			
		77	207	-				
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9								
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+1				A/ HE				
. TOTAL EQUIPMENT COSTS			. 3	06.00	IÊ. TOTAL MATÈRIAL COSTS	•		

SU	BCONTRACTOR REPOR	T		PEI Assuciates. Inc.	CONTRACT NU. CR - O/- DATE CET. 2	6804
19. SUBCONTRACTOR NAME	20, WORK DESC	RIPTION	21.8UBCONTRACT			
Calgon Corbon	Dispusal of Corbon 40,0	Spent . 12	4,800.00			
•						
	* H.C.	@ 37.	144.00	-	<u> 6279.35</u>	
<i>}</i>				24. CONTRACT CEILING AMOUNT		\$500,000.O
Fired Rate A10 HC ??				25, TOTAL ESTIMATED CONTRACT COST	S TO DATE	45188.20
TOTAL SUBCONTRACT COSTS			4944.00	26. TOTAL ESTIMATED COSTS TO COMPL	ETE CONTRACT	41 190 80
ertify that this report is a true and complete reco contractors which I ordered and authorized from ntract.	ord of the labor, supervision, to m the contractor in the perfor	ravel, equipment, me mance of the above-	cited }	I certify that this report is a true and complete equipment, materials, and subcontractors provance of the above-cited contract.		
meture of the Representative		Time Arrived on Scene	Time Departed	Michael & Heartine		Date 0/23/84

HAZARI	VIRONMENTAL PROTECTION AGENCY DOUS SUBSTANCE RESPONSE FUN				CONTRA	CTOR Asso	ciato.	_	ONE APPENDI Approval expen CONTRACT NU	
	CONTRACTOR COST REPORT TRACTOR PERSONNEL REPORT		· · · <u>- · · · · · · · · · · · · · · · ·</u>		ASSIGNM	ENT NUM	BER	DATE		<u> </u>
		S. HOURLY L	ROBA	4. HO	OVED	Б.	6. TC	TAL	7. TRAVEL AND	
1. EMPLOYERS ASSIGNED	2. WORK CLASSIFICATION	REGULAR OV	RATIME	FROM	то	BREAK TIME	REGU- LAR	OVER- TIME	SUBSISTENCE	S. TOTAL PERSONNEL COSTS
Mike Hesoling	Response Mar	<i>5</i> 2.50		0830	1630		8		60	480.00
Tom Dewey	Foreman, Ly3	33.40		Ofice	1630	30	8		·	24.80
BOB POPE	WELDER	31.50		0800	1630	30	8			252 00
VIC PERSHINA	MECHANIC	24.30		0745	1530	45	8			210.40
Buo BENNETT *	EQUIPMENT OF WIL	27.80		1310	1530		3			83.40
W. WEOSTER *	MECHANIC	26.30		1310	1530		3			78.90
				i						ļ
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							:			
			1							
K Includes 1/2 hours fo	or set up of crane.	. <u>k</u>	<u>-</u>		<u> </u>	<u>L</u>		TOTAL P	ERSONNEL COSTS	1373.50

CONTRACTOR—OWNED EC	QUIPMENT/MATERI/	ALS REPORT			CONTRACTOR PEI ASSOCIATES ABSIGNMENT NUMBER UB94.05-008	CONTRACT NU. 68 - 01 - DATE Oct 2:	6894
9. EQUIPMENT USED	10. HOURS USED	11. COST PER HOUR	13. TOTAL HOURS	13. TOTAL COST	15, MATERIALS USED	16. QUANTITY	17. TOTAL COST
Air Compressor			day	95.00	GASOLINE	25 ga / (incl. 19/22/04)	31.25
Cutting Torch		,	day	50.00			
Ladders (2)		15/day	Joy	10.00			
HAND TOOLS		11.0%		11.00]		
CHANE, 25 TON		60/nr	3	180.00			i
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	1						
				'	\		
				<u> </u>			
3					3%. H.C		.94
*							
			1				
				.			
. TOTAL EQUIPMENT COSTS			0 34	6.00	18. TOTAL MAYERIAL COSTS	* 37.	19

s	UBCONTRACTOR REPORT		PEDCO Enr. ABSIGNMENT NUMBER 6894 - 03 - 008	CONTRACT N 68-01-6-4 DATE 07 23, 1484
19. SUSCONTRACTOR NAME	20. WORK DESCRIPTION	21.SUBCONTRACT AMOUNT	23. REMARKS	
CALGON CARBON **	Disposal of 40,000 to of Spent Carbon	1	+. 7-+	Talgon Prior
	Adjustment to ACT * Test Charge, Shown on 10/10/20@ 2080.00, Should be 4160.00	2080.00		ness ne-
		6880.00	otherwise .	mation needed no 4.0 if e.
	H.C. @ 37.	204.40		sm_
		14		
,		<u> </u>	24. CONTRACT CEILING AMOUNT	\$500,00t
			25. TOTAL ESTIMATED CONTRACT COST	
2. TOTAL SUBCONTRACT COSTS		• 7084.40	26. TOTAL ESTIMATED COSTS TO COMPI	ETE CONTRACT \$ 39,357.7
ubcontractors which I ordered and authorized fr lontract.	cord of the labor, supervision, travel, equipment, months contractor in the performance of the above-	cited	I certify that this report is a true and complet equipment, materials, and subcontractors pro ence of the above-cited contract.	
Amilli Caplie	10/24/84 Time Arrived on Scene 9:15	Time Departed	Olganeture of Contractor's Authorized Represe	Date PO/24/84
IPA Form 1900-85 (1-52)		Original Cop Cop	y 1 — Contractor	Page 3

HAZARD CONT 1. EMPLOYEES ASSIGNED	VIRONMENTAL PROTECTION AGENCY DOUS SUBSTANCE RESPONSE FUND CONTRACTOR COST REPORT TRACTOR PERSONNEL REPORT 2. WORK CLASSIFICATION	a, Houns	LY LABOR		Party Assignm	2 E	BER		ONE ACTION OF Approved expenses Approved expenses Approved expenses Approved to the Approved Expenses	
1. EMPLOYEES ASSIGNED		R/		<u> </u>				i		
	2. WORK CLASSIFICATION	R/			1 62 8 <i>7 3</i> 7	-008		DATE CONT. 2	4, 1984	
	2. WORK CLASSIFICATION		ATR	4. H	OURS OYED	5.	6. TO HOL	TAL JRS	.7. TRAVEL AND	
Mike Hessling	2. WORK CLASSIFICATION	MEGULAR	OVERTIME	FROM	то	BREAK TIME	REGU- LAR	OVER- TIME	SUBSISTENCE	8. TOTAL PERSONNE COSTS
• • • • • • • • • • • • • • • • • • • •	Response Mar.	52.50		9/30	15:00	30	5		30	292.50
Vic Pershina	Response Mgr. Meckanic	26:30		8'00	16:30	30	8			20.10
Tem Devey	Forenze, 43	33,60	<u> </u>	8:00	16:30	30	8			268.80
Seb Pope	Welder	31.50		8:00	16:30	30	8			252.0
Bud Bennett	Egyperant Op., 42.	27.80		8/20	10150		3*			83,40
W. Webster.	Mechanic	26.30		8:40	10:50		3*			78.90
inch she main									ERSONNEL COSTS	\$ 11/1

Jn-Scene Coordinator
— Centractor
Programmes

CONTRACTOR—OWNED EQU	CONTRACTOR—OWNED EQUIPMENT/MATERIALS REPORT					CONTRACTOR FOLCO FAV. ABBIGNMENT NUMBER 6894 - 05-08	CONTRACT NUMBER 68-01-	6894
9. EQUIPMENT USED	10. HOUR	S USED TO	11. COST PER HOUR	12. TOTAL HOURS	13, TOTAL COST	18. MATERIALS USED	16. QUANTITY	17. TOTAL COST
Air Campessor ()	T:00	K:30	95/d	d	95.00	Gascline. @ 125/gol.	10 gel.	12.50
Air Cappessor () Catting touch ()	13:00	N:00	8/4	1	8.00	•	,	
Ladders (2)	9:10	B:30	5/4	d	10.00			
Hand tools (1)	8:00	16130	11/1	d.	11:00			
Crane, 25 ton	7:30	ì	60/h	3Å.	180.00	HC. @ 370		,38
Bower threster	13:00	4100	4/4	14.	4,00	· • ·		736
			1	<u> </u>				
}								
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take metale /2 pre	agathe	is 1.	ine		9			
A. TOTAL EO 'ENT COSTS				• 30	20 2	IS, TOTAL MATERIAL COSTS	• 12.	A

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

SUBCONTRACTOR REPORT		Sandan ENV. ASSIGNMENT NUMBER 6894-05-008	68-01-	
20. WORK DESCRIPTION	21.8UBCONTRACT	23. REMARKS		
Disposal of 20,000 lb. of sport carbon 0 12.0/16	# 2400,00 #	* Support inform to justify subt otherwise its up no H.C.	nation no entract d ta is k	ædel tem vied sate
HC @ 3%	72.00 7472.00			
			Ozife Teled	.# 3777.88
		24, CONTRACT CEILING AMOUNT 25, TOTAL ESTIMATED CONTRACT CO	STS TO DATE	* 500,000. * 464,68
	.2472.00	26. TOTAL ESTIMATED COSTS TO COM	PLETE CONTRACT	
record of the labor, supervision, travel, equipment, in from the contractor in the performance of the above	naterials, and			, supervision, trav
Time Arrived on Scene 161 1413/84 8:10	Time Departed	Signature of Contractor's Authorized Supre	esenzative estate	Date 2/4/84
	20. WORK DESCRIPTION Disposal of 20,000 lb. of spart carbo 21.4 / lb AC @ 3/6 record of the labor, supervision, travel, equipment, of the above Time Arrived on Sceree	20. WORK DESCRIPTION 21. SUBCONTRACT AMOUNT DISPOSAL of 20,000 lb. of sport carbon 22. 1/16 HC @ 3/6 22.00 24.72.00 24.72.00 Trood of the labor, supervision, travel, equipment, materials, and from the contractor in the performance of the above-cited Time Arrived on Scene	SUBCONTRACTOR REPORT Subcontract Subcontract Support Subcontract Support Subcontract Support Subcontract Support Subcontract Support Subcontract Support Subcontract Support Subcontract Support Subcontract Support Subcontract Support Subcontract Subc	SUBCONTRACTOR REPORT Same Selection

									OMB No. 2000-02/ Approval expires 8	
HAZAR	Vinonmental Protection Agenc Dous Substance Response ful CONTRACTOR COST REPORT				Perto	<i>'</i> _	nv.		CONTRACT NUMB	6894
	TRACTOR PERSONNEL REPORT				ASSIGNM		BER		DATE	25, 1984
			Y LABOR TE	4, H EMPL	4. HOURS EMPLOYED		6. TO	OTAL URS	7. TRAVEL AND	8. TOTAL
1. EMPLOYEES ASSIGNED	2. WORK CLASSIFICATION	MEQULAR	OVERTIME	FROM	ROM TO BREAK REGU-OVER- TIME LAN TIME	SUBBISTENCE COSTS	PERSONNEL COSTS			
Vic Pershina	Mechanic	26.30		8:00	13:00	_	5			131.50
Vic Pershina Tom Dewey	Foreman, Lel 3	33.60		8:00	/3:30	30	5			168.00
Bob Pepe	Welder	31.50		8:00	13.20	30	5			157.50
Harvey Shoup.	Equip. Opy LV.1	22.10		8:00	13:30	>	5/2	-		121,5
Bud Bernett	Equip. Op., Ly. 2.	27.80		8'00	13:00	_	5			139.00
W. Webster	Mechanic	26,30		8:00	13:01	_	5			131.50
						[5	
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٠			E							
		,								
								<u> </u>		\$ 849.05
enels 1/2 hour f	he surround emis	The second	<u> </u>	<u> </u>	L	L		TOTAL P	ERSONNEL COSTS	B 19.00
Form 1996 GE)	a aparament interes	Origina Casa i	Jn-Scene Co Contractor	ordinator			<u></u>			Page 1

Jn-Seene Coordinator
— Contractor
Programment

I. TOTAL EC - IENT COSTS			• 5	1.00	TOTAL MATERIAL COSTS	0	
Clane, 25 Ton (1)	8:00 13	100 M/ds.	5h.	90.00			
	1	1:00 6/1.	5h.	300,00			
Hand Took (V) Backhoe (1)		11/d	54	11.00			
Lalders (a)		5/day	1 1	10.00	Gasoline @ 1.35 /gal	-0-	-0-
9. EQUIPMENT USED	10, HOURS	TO PER HOUR	12, TOTAL HOURS	13. TOTAL COST	15. MATERIALS USED	18. QUANTITY	17. TOTAL COST
CONTRACTOR—OWNED EQ	DIFMEN I /MA	TERIALS REPOR	···	, 	ASSIGNMENT NUMBER 6894-05-008	OATE Det.	5,1984

-11

\$R	JBCONTRACTOR REPORT		CONTRACTOR POSCO ENV. ASSIGNMENT NUMBER 6874-05-008	CONTRACT NUM. 68-07-6894 DATE 007. 25, 1984
19. SUBCONTRACTOR NAME	20. WORK DESCRIPTION	21.8UBCONTRACT 2		
CREDIT Central Iron & Metal Co., Inc.	Salvage of pipe			
			<i>d</i>	ily Total \$ 1228.30
			4. CONTRACT CEILING AMOUNT	\$550,000, 00
. TOTAL SUBCONTRACT COSTS	<u> </u>			######################################
partify that this report is a true and complete rec becontractors which it ordered and authorized fro ontract.		ve-cited e		elete record of the labor, supervision, trave provided by the contractor in the perform-
Day Maproservative	Time Arrived on Scene 7:50	15:00	Ignature of Contractor's Authorized Repo	one Date 12/4/84
A Form 190 -88)		Origi Copy Copy		Pege 3 o

tis skyli	RONMENTAL PROTECTION AGENCY				CONTRA	CTOR			ONE No. 2500 os Approval espiras i	
HAZARDO	US SUBSTANCE RESPONSE FUN NTRACTOR COST REPORT	D				\mathcal{I}, \mathcal{I}	INC		68-01-6	344
	ACTOR PERSONNEL REPORT					AENT NUN		3	DATE 11/27/84	
		S. HOURLY LABOR RATE		4, HI EMPL	4. HOURS EMPLOYED		6. TOTAL HOURS		7. TRAVEL AND	S. TOTAL
1. EMPLOYEES ASSIGNED	2. WORK CLASSIFICATION	REGULAR	OVERTIME	PROM	to	BREAK	REGU-	OVER- TIME	SUBBISTENCE COSTS	PERSONNEL COSTS
Dick Hook *	FOREMAN (LEVEL 3)	33.60	44.10				41.5			1,394.40
Mike Hessling	RESPONSE MANAGER	52.50	64.10						344.00 (10/21 aic face)	344.00
MINE HEESLING ## (WEEK ENDING 11/25)	RESPONSE MCR.	"	***				24			1,260.00
MIKE HESSLING ##	RESPONSE M G R.	"	,,				12			630.00
Victoria Singer**	FIELD CLERK Typist (LEVEL 1)	15.80	21.50				12	, 		189.60
# Labor to review as-	built drawings and									3,818 . 0
K-# Prepartion of F	nal Report							TOTAL P	ERSONNEL COST	3428 40
A Form 19864		Ortginal Copy 1 Copy 2	- Scane Co - unitrestor - Frecurement							- Page 1 of

CONTRACTOR-OWNED			, .		CONTRACTOR FELT, FNC.	CONTRACT NUMBER 68-01	-6899	
CONTRACTOR—OWNED	EQUIPMENT/MATE	HIALS HEPUNT			ASSIGNMENT NUMBER 6894-05-008	8 DATE 11/27/84		
	to. Hours us	ED 11,	12. TOTAL	13. TOTAL			17. TOTAL	
9. EQUIPMENT USED	FROM TO	PER HOUR	HOURS	COST	18. MATERIALS USED	18. QUANTITY	COST	
					(INION ELECTRIC (MID STATE) TOX HUNTER PREIL	matis regid to install transformer	18.W. 3.4.	
					HUNTER PRE11	misc pipe and l'itings to redirect drain on overheadpipe	COOLAN	
					1000	drain en everheadpipe	300.7	
					3% handling		12.10	
•								
į.								
₹							 	
							73	
OTAL EQU' T COSTS	بير كرند نوري وجود الأمريز ويوار		<u> </u>	_	18. TOTAL MATERIAL COSTS	. 415.	× =	
Form 1900- 72)					Original On-Scene Coordinator Copy 1 Contractor Copy 2 Procurement	•	Page 2	

\$ U	BCONTRACTOR REPORT		CONTRACTOR PEI, INC. ASSIGNMENT NUMBER	CONTRACT NUML	
		<u> </u>	ASSIGNMENT NUMBER (- X - 1/4 - 0:5 - 008	DATE 11/27/	14
19. SUBCONTRACTOR NAME	20. WORK DESCRIPTION	21.SUBCONTRACT AMOUNT	723. REMARKS 1		
INION ELECTRIC					
(CLARK CONSTRUCTION)	INSTALL TRANSFORMER	1			
	Install transformer pad Tuf	300,00		•	
	104	\[\frac{1}{2}.00 \]			
(CONSUMERS POWER)	RENTAL FOR ONE (1) 150kVA PADMOUNT HRANS FORMER (6/11/84 HAROUGH 8/1/84) TOUL	£44.00			
	TRANS FORMER	240-			
	(6/11/84 HANOUGH 8/7/84)	9.60			
	(CYC)	ļ			
	3% handling	16.85			
•					
			<u>,</u> 4	811.90	
			Daily total \$4	177-30	
, i	·		24. CONTRACT CEILING AMOUNT	*50	0,0090
			25. TOTAL ESTIMATED CONTRACT CO	818 TO DATE 847	0,646.3
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*Preparation of final Report										
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80	BCONTRACTOR REPORT		CONTRACTOR JESOCIATES ABSIGNMENT NUMBER 6894-05-008	CONTRACT NUMBE:: 68-01-6894
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Shineture of Gall Representation EPA Form 19 -621	Aplici 2/5/85 N/A	Time Departed Sh	enature of Contractor's Authorized Repres	Date 1/25/85
CFA FORM 18 -621	,	Conv	1 — Contractor 2 — Procurement	Page 3 of

APPENDIX M

Incident Obligation Log

inci	DENT OBELGALTOR LUG			
(1) Incident Nume or Site Number VERONA WELL FIELD - BATTLE CREEK, MI	(2) latal Amazart Appe \$500,000.00	(3) Bulunca Forward		
(4) Description of Obligation (Vendor Name) PEDCO - ERCS	(5) Descendent Control Number	(a) Diitu	(7) Amount	(8) Bulainia
		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

Huck Number	Instructions:
(1)	The incident name or situ/spill number.
(2)	Total approved amount is entered from the PIRREP.
(3)	If this is a continuation of an established log, enter the balance remaining from line 8 of the provious 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 Supplied"). Inter decement obligation number if known (i.e., Contract or P.O. Number).
(5)	Enter the document control number in sequence from the black of numbers obtained for the vite/incident.
(a)	Enter the date on which you incurred the expense.
(7)	fater the emount of the obligation. Subtruct from line 3 and water belongs on line 8.

Incin	MI OBLIGATION LOG				
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		6/12/84	22,911.80	156,011.67	
		6/13/84	2005.10	154,006.57	
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		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	
		0/22/84	7586.85	54,470.15	
		0/22/84	6279.35	48,190.80	
		0/23/84	8838.09	39,362.71	
		0/24/84	3978.88	35,373.83	
		10/25/84	1228.30	34,145.53	

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(4)	Enter the date on which you incurred the expense.
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INCIDENT BUILTGATTON LOG								
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(4) Description of Obligation (Vendor Hama) PEDCO - ERCS 68-01-6894-008	(5) Disconuit Control Number	(6) Outu	(7) Amount	(U) Bulanco				
		11/27/84	4811.90	29,333,63				
		12/14/84	2140.52	31,474.15				
		1/22/85	168.20	31,305.95				
*January 25, 1985 Mike Hessling Letter	Credit	1/25/85	+ 177.84	31,483.79				
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(ä)	Enter the date in which you inducted the expense.
(7)	inter the meant of the obligation. Subtruct from time 3 and unter bulmos on line 8.

APPENDIX N

Certified Contractor Invoices

Harris Gebson

attatohed

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. If you cannot approve payment, return the voucher and a memorandum of explanation as soon as possible. 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. 629-3042 SERVICING FINANCE OFFICE CONTRACTOR NAME Environmental Protection Agency Financial Management Division CONTRACT NUMBER 65-01-64 Contracts Financial Operations (MD-32) CONTRACT VOUCHER NO. DATE Research Triangle Park, N.C. 27711 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

EPA Sem 2000-10 (Rev 7-01)

by the contract.

PROJECT OFFICER (Above cited contract)

PRÉVIOUS ÉDITION MAY RE USED LINTIL SUPPLY IS EXHAUSTED.

ECRIBIT A

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PEDCo ENVIRONMENTAL

11499 CHESTER ROAD

CINCINNATI. OHIO 45246

SOLD TO:

U.S. ENVIRONMENTAL PROTECTION AGENCY

6/11/84 DATE

INVOICE NO. 1008-1

OUR ORDER NO.

PN-1008

CUST. ORDER NO.

68-01-6894

T.0. #6894-05-0008

ATTENTION:

TERMS: NET CASH UPON PRESENTATION OF INVOICE

BATTLE CREEK	PERFORMANCE PER	IOD 5/24/84-6/1/84
CATEGORY	CURRENT	CUMULATIVE
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	<u>-</u>	<u>-</u>
Sampling/Analysis	<u> </u>	
Subcontract Services	15,911.70	15,911.70
Other	-	-
TOTAL INVOICE	\$301,204.76	\$301,204.76

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.

Controller

Title

CERTIFICATION

		PERFORMED AND ARE		
Da	ite	* <u></u>	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 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.

Amijslice 6/22/24

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 quantitities 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 **ERCS**

Robert J. Rowden, DPD Zone III ERCS

Borothy Britton, Contract Officer John Bruck, PEBCO James Jowett, Project Officer

There has been some confusion regarding the correct mode of billing for services provided under the FRCS 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 B 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.

"y 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 YI. 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 of 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 PEDCN) 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 contract 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 Y

DATE:

SUBJECT:

Certification of Invoice - Verona Well Field

FROM:

Daniel M. Caplice, RPM/OSC Properties 1/m/sq. Remedial Response Section I

٢0:

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, 5HR
Maier, WH 548-B
Talbert, 5C
Brouck

MEMORANDUM TO THE FILE

R E G E 1 V E D)
AUG 7 1984

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

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 - SUBMISSIOM OF IMVOICES addresses the structure of invoices to be submitted for the management portion of the contract and for individual Delivery Orders which PEDCo is ful-The reason for the brief requirements for the Delivery Order voucher is because the daily 1900-55's are to be used as 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 PROMP 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 - <u>DEFINITIZATION OF DELIVERY</u>
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 Contracting Officer Procurement Section H (PM-214-F)

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.						
 If you cannot approve payment, return the voucher and a med. Return of this form or a memorandum must be accomplished. This is necessary to assure responsive payment processing 	within one week. Servicing finance to the contractor.					
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Goods or services have been delivered as reque	ested by the contract to suppo	ort this payment.				
Sufficient progress has been made by the contraby the contract.	actor to support this progress	payment as authorized				
ROJECT OFFICER (Above cited contract)	Car .	DATE				

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EPA Form 2550-19 (Rev. 7-81) PREVIOUS EDITION MAY BE USED UNTIL SUPPLY IS EXHAUSTED,

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PEDCo ENVIRONMENTAL

11499 CHESTER ROAD

CINCINNATI, OHIO 45246

U.S. ENVIRONMENTAL PROTECTION AGENCY

9/14/84 DATE

1008-2

PN-1008

68-01-6894

ATTENTION:

D.O. #6894-05-0008

TERMS: NET CASH UPON PRESENTATION OF INVOICE

BATTLE CREEK	PERFORMANCE PERIOD	6/7/84-9/9/84
CATEGORY	CURRENT	CUMULATIVE
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
TOTAL INVOICE	\$136,738.24	\$437,943.00

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.

Controller Title



unis

CERTIFICATION

		NOWLEDGE AND BELIEF N PERFORMED AND ARE	
Da	te		Signature

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION V

E: CCT C 1 1924

SUBJECT:

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

FROM:

Daniel M. Caplice RPM/OSC Description of 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 a 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, 5SCD0
Bartelt, 5HR
Britton, PM-214-F
Talbert, 5C
Jowett, WH-548-B
Maier, WH-548-B

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION V

AMCaplico ic/4/84

DATE:

SUBJECT:

Review of Pedco Environmental, Incorporated (PEI)Vocher Number 1008-2

(FET) FOCHER NUMBER 1000-

FROM:

Daniel M. Caplice RPM/OSC Remedial Response Section I

TQ:

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 attatched 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
OUTS11984

MEMORANDUM

Remedial Response

SUBJECT: Response to Review of PEDCo Environmental Section I

Delivery Order 6894-05-008, Voucher No. 1008-2

FROM : Dorothy Britton Dowylly Buth

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.

31 001 1304

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

Remedial Response Section I

Subject: Contract No. 68-01-6894

Delivery Order No. 6894-05-008

Dear Mr. Jutse:

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 Ceneral 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. 58-01-6894

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

Complete and return-to the servicing finance office indicated below. Only the original need be returned; you may retain the copies if desired. If you cannot approve payment, return the voucher and a memorandum of explanation as soon as possible.

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 Pedco Envir Inc Environmental Protection Agency CONTRACT NUMBER Financial Management Division 68-01-6894 Region 5 Contracts Financial Operations (MD-32) CONTRACT VOUCHER NO. Research Triangle Park, N.C. 27711 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 Check one: Goods or services have been delivered as requested by the contract MMEDIATE ACTION Sufficient progress has been made by the contractor to support this progress payment as authorized by the contract. PROJECT OFFICER (Above cited contract) EPA Form 2850-19 (Rev. 7-81) PREVIOUS EDITION MAY BE USED UNTIL SUPPLY IS EXHAUSTED.

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PEDCO ENVIRONMENTAL

11499 CHESTER ROAD

CINCINNATI, OHIO 45246

U.S. ENVIRONMENTAL PROTECTION AGENCY

1/27/85

1008-3

PN-1003

68-01-6894

D.O. #6894-05-1018

ATTENTION:

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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

DATE

Review of Pedco Environmental, Inc. CT Voucher Number 1008-3 DMEaplier 3/21/95

Daniel M. Caplice, RPM FROM Site Management Section

Dorothy Britton TO 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 quantites 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.

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



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

MAR 8 1985

MEMORANDUM

SUBJECT: Delivery Order No. 6894-05-008

Voucher No. 1008-3

FROM:

Dorothy Britton Occotles Brit

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 in 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

Daniel M. Caplice, RPM FROM: 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.

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.

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

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01-15-85 ENVIRONMENTAL PROTECTION AGENCY PAGE 3 SUPERFUND SIFE COSTS---CUMULATIVE PAYROLL COSTS THRU JAN 11.1985 VERONA WELL FIELD (MI) SEG 15 SESTIENO 51 AHRC 05F SOC SEC # SOF MAME PAYR PAYR HONRS AMOUNT Ť Y 12 ÉEVIN. 35.94 204241510 1.0 . . T 15 LEWIN. 27.03 17 LEVINA 18.11 . 5 TOTAL SSN 2.3 81.08 272402556 CONSTAN 31.29 11 1.0 12 CONSTAN 31.38 1.0 CONSTAN 44.19 -13 2.0 14 CONSTAN 2.0 64.90 CONSTAN 32.45 17 1.0 24 CONSTAN 1.0 32.23 TOTAL SSM 8.0 257.14 16.0 182.96 295602761 TANAKA. H 19 TANAKA, 45.75 4.0 TANAKA. 91.48 8.0 TOTAL SSN 28.0 320.19 H 25 FILIPPI 309549581 3 4.0 43.42 TOTAL SSN 4.0 43.42 323449702 22 VANDERL 8.0 170.30 3 26 VANDERL 6.0 176.30 D 05 VANDERL 2.0 43.02 44.95 D 15 VANDERL 2.0 VANDERL 8.0 179.61 12 45.15 VANDERL 2.0 44.95 15 VANDERL 2.0 TOTAL SSN 32.0 498.48 326403076 D 05 CAPLICE 19.0 207.59 CAPLICE 161.40 D 06 14.0 0 07 CAPLICE 6.0 69.19 D 08 CAPLICE 184.47 16.0 Ð 09 CAPLICE 161.55 14.0 D 18 CAPLICE 1 .437 . 38 .-4 112.0 CAPLICE 40.0 450, 14

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

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332483915	5	4		CALABRE DTAL SSN	.0	- 00 - 00
			•		•••	
335462829	5	D	03	PERRECO	9-0	154.80
	5	H	02	PERRECO	1.0	17.19
	5	Н	05	PERRECO Otal SSN	9.0 19.0	154.80 326.79
			•	DIME 234	17.0	320.17
349402689	4		13	TANCH	3.0	74.40.
			Ť	DTAL SSN	3.0	74.05
357460498	•	Đ	24 02	DIKINIS	35.0	651.72
	•	H	03	DIKINIS	58.0 46.0	1,011.04 801.84
	7	H	04	DIKINIS	48.0	834.72

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

SFO . SFSITENO 51 AHRC 05F NAME PAYR SOC SEC # SOF HOURS AHOUNT T Y 357460498 05 DIKINIS 662.40 () 06 DIKINIS 66.0 1.150.49 07 DIKINIS 46.0 861.87 08 DIKINIS 22.0 383.50 09 CIRINIS 48.0 \$87.63 10 DIKINIS 80.0 1,462.72 . 11 DIKINIS 66.0 1,223.25 12 DIKIMIS 71.0 1,315.92 13 DIKINIS ... 1,482.72 14 DIKINIS 78.0 1,445.65 15 DIKINIS 79.0 1,464.19 16 DIKINIS 80.0 1,462.72 17 DIKINIS 77.0 1,427.12 18 17.0 1.427.12 20 DIKINIS 33.0 614.48 21 48.0 893.78 79.0 1,471.02 23 79.0 1.471.02 25 74.0 1.377.92 26 DIKINIS 17.0 316.55 DIKIMIS 66.0 1.220.95 DIRINIS 4.0 74.48 13.0 242.07 DIRINIS 32.0 595.84 62 55.0 1.024.13 DIKINIS 28.0 521.36 DIKINIS 33.0 614.48 1,656.0 TOTAL SSN 30.384.78 360400619 . 5 12.11 11 2.0 46.06 12 1.0 24.04 3.0 72.10 1.0 Malle 4 CANAVAN 10.16 . 8 TOTAL SSN 8.3 198.51 17 STRINGH 1.0 25.39 12 STRINGH . 5 12.69 TOTAL SSN 1.5 38.08

51

SFO 15 SFSITENO 51					SUPERFUND SITE COSTS~CUMULATIVE PAYROLL CO THRU JAN 11,1985 VERONA WELL FIELD (MI)					
AHRC 05	SOF	A C T	P P	NAME	PAYR HOURS	PAYR AMOUNT				
498587041	2	D	13	OSTRODK	10.0	287.08				
	2	0	14	DSTRODK	8.0	127.59				
	2	D	15	OSTRODK	1.0	15.94				
	2	D	25	OSTROOK	2.0	32.11				
	2	H	22	OSTRODK	3.0	48.16				
	Z	H	23	OSTRODK	9.0	144.48				
	2	H	24	OSTRODK	10.0	160.53				
	2	H	27	OSTRODK	20.0	331.00				
	3	0	11	OSTRODE	26.0	454.02				
	3	D	19	OS TRODK	14.0	244.79				
	3	D	20	OSTRODK	25.0	437.11				
	3	O	21	OSTRODK	21.0	367.17				
	3	D	22	OSTRODK	27.0	472.07				
	3	O	23	OSTROOK	80.0	1,390.74				
	3	- 11	01	OSTRODK	2.0	33.07				
	· 3	Ħ	02	OSTRODK	6.0	103.01				
	3	н	05	OSTRODK	29.0	497.89				
	3	H	06	OSTROOK	6.0	103.01				
	3	н	07	OSTRODK	26.0	480.73				
	3	Н	08	OSTRODK	26.0	451.67				
•	•	H	07	DSTRODK	54.0	943.14				
	3	н	10	OSTRODK	72.0	1,257.54				
	3	Ħ	12	OSTRODK	15.0	262.27				
	3	н	13	OSTROOK	6.0	104.91				
	3	н	14	OSTRODK	8.0	139.86				
	3	н	15	OSTRODK	20.0	349.69				
	3	Н	16	OSTRODK	6.0	104.91				
	- 3	Ħ	17	OSTRODK	16.0	279.74				
	3	H	18	OSTRODK	17.0	297.23				
	3	н	24	OSTRODK	54.0	944.15				
	3	H	26	OSTRODK	9.9	157.35				
	3	₹	03	OSTRODK	53.0	969.94				
	3	T	04	OSTRODK	18.0	389.04				
	3	T	96	OSTRODK	2.0	34.33				
	4	0	02	OSTRODK	5.0	07.42				
	4	Н	22	OSTRODK	14.0	253.80				
			T	DTAL SSN	730.0	12,626.31				
513480709	3	D	24	BARTELT	1.0	24.44				
	3	Н	23	BARTELT	13.0	317.71				
	4	D	20	BARTELT	1.0	25.91				

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01-15-85
                                                       ENVIRORMENTAL PROTECTION AGENCY
                                               SUPERFUND SITE COSTS---CUMULATIVE PAYROLL COSTS
                                           THRU JAN 11,1985 VERDNA WELL FIELD (MI)
     SFD
              15
     SFSITENO 51
O
      AHRC
     SOC SEC # SOF
                                  NAME
                                              PAYR
                                                               PAYR
                                              HOURS
                                                               AMOUNT
                       Y
     513480709
                           11
                                BARTELT
                                                   1.0
                                                                  25.80
                           14
                                BARTELT
                                                   6.0
                                                                 154.60
                           15
                                BARTALL
                                                   1.6
                                                                  25.80 -
                           16
                                                  4.5
                                                                 103.20 ←
                                                  Lat.a
                                                                  .11.44
                           24
                                BARTELT
                                                  1.0
                                                                  25.91
                             TOTAL SSN
                                                  30.0
                                                                 755.17
                                                              57,370.70
                            TOTAL AHRC
                                               3,502.1
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SUPERFUND SITE COSTS---CUMULATIVE PAYROLL COSTS THRU JAN 11,1985 VERONA WELL FIELD (MI) SITE SITE # 51

SFSITENO 5	5 1 5 G				THEO JAN 11,191	95 AEKONU METT LI
SOC SEC +	SOF	A C T	P	NAME	PAYR Hours	PATR Amount
010343104	2 2 3	T T	22 24	NEUDEL NEUDEL ,	3.0 1.0	44.38 14.80
	3	T	03	NEUDEL ,	.0	- 00
	3	T	04	NEUDEL,	.0	.00
	3	T	05	NEUDEL,	.0	.00
			1	OTAL SSN	4.0	59.18
			TO	TAL AHRC	4.0	59.18

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01-15-85
                                                     ENVIRONMENTAL PROTECTION AGENCY
                                                                                                                          PAGE
                                             SUPERFUND SITE COSTS---CUMULATIVE PAYROLL COSTS
                                          THRU JAN 11.1985 VERDNA WELL FIELD (MI) SITE # 51
     SEG
              15
     SESITEND 51
     AHRC 05W
     SOC SEC # SOF # P
                                 NAME PAYR
                                                             PAYR
                      C
                                             AUHB Z
                                                             AM CUMT
                      T
     096483703
                               BOLGER.
                                                13.0
                                                                101.14
                               BOLGER.
                         14
                                                4.0
                                                                55.57
                          19
                               BOLGER.
                                                48.0
                                                               692.90
                          20
                               BOLGER,
                                                26.0
                                                               369.91
                          25
                               BOLGER.
                                                10.0
                                                               142.29
                          26
                               BOLGER.
                                                13.0
                                                               184.96
                          27
                               BOLGER.
                                                12.0
                                                               170.74
                               BOLGER.
                          01
                                                4.0
                                                               113.79
                               BOLGER.
                                                22.0
                                                               313.00
                            TOTAL SSN
                                               156.0
                                                             2.214.30
     174463971
                          06
                               JOSEPH.
                                                5.0
                      н
                                                                83. 77
                          11
                               JOSEPH.
                                                64.0
                                                              1.111.92
                      м
                          12
                               JOSEPH.
                                                4.0
                                                               69.49
                          14
                               JOSEPH.
                                                54.0
                                                               938.17
                          15
                               JOSEPH.
                                                19.0
                                                               330.00
                          16
                               JOSEPH.
                                                30.0
                      н
                                                               521.21
                          18
                               JOSEPH.
                                                6.0
                                                               104.22
                      H
                          20
                               JOSEPH,
                                                53.0
                                                               924.50
                          21
                               JOSEPH.
                                                36.0
                                                               428.02
                          22
                               JOSEPH.
                                                27.0
                                                               471.02
                          25
                               JOSEPH.
                                                11.0
                                                               191.89
                          26
                               JOSEPH,
                                                18.0
                                                               314.02
                          OZ JOSEPH.
                                                1.0
                                                                17.43
                            TOTAL SSN
                                               328.0
                                                              5.706.04
                                                17.0
     202500985
                      н
                          05
                               PARIKH.
                                                               190.33
                          06
                               PARIKH,
                                                4.0
                                                                44.76
                          07
                               PARIKH.
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                                                                78.37
                          09
                                                20.0
                               PARIKH.
                                                               231.43
                          14
                               PARIKH.
                                                3.2
                                                                37.57
                          17
                               PARIKH.
                                                12.2
                                                                141.17
                          19
                               PARIKH.
                                                16.0
                                                               185.71
                          20
                               PARIKH.
                                                3.2
                                                                37.72
                            TOTAL SSN
                                                82.6
                                                                947.06
                                                                12.43
     223862333
                          20 WITCHER
                                               1.5
                          22 WITCHER
                                                . 8
                                                                6.73
                            TOTAL SSN
                                                 2.3
                                                                19.16
C
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45.5

2.0

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2.0

021.59

23.73

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TOTAL SSN

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KUCHARZ

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KUCHARZ

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01-15-85
                                                       ENVIRONMENTAL PROTECTION AGENCY
                                                                                                                              PAGE
                                                                                                                                     11
                                               SUPERFUND SITE COSTS---CUMULATIVE PAYROLL COSTS
                                           THEU JAN 11-1985 VERDNA WELL FIFLD (MI)
                                                                                         STTF # 51
      SFO
              15
      SESTIENO ST
AHRC
              0.5 M
      SOC SEC # SOF
                                  NAME
                                               PAYR
                       C
                                              HOURS
                                                               AMOUNT
                       T
                       ٧
318440858
                                KUCHAR 2
                                                   4.0
                           24
                                KUCHARZ
                                                   1.0
                                                                  11.80
                       Ť
                           21
                                KUCHAP Z
                                                   2.0
                                                                  23.58
                       u
                           01
                                KUCHARZ
                                                  1.0
                                                                  11.78
C
                           0.2
                                KUCHARZ
                                                   2.0
                                                                  23.59
                             NZZ JATOT
                                                  17.0
                                                                  200.49
C
      325482002
                                RIH. SU
                                                  7.0
                                                                  125.97
                           10
                                KIM. SU
                                                                 130.10
                                                  7.0
                           11
                                KIH. SU
                                                  35.0
                                                                 650.63
                           14 KIM. SU
                                                  13.0
                                                                 241.64
                             TOTAL SSN
                                                  62.0
                                                                1,148.34
                                HSIA, K
                                                  68.0
      326345234
                           10
                                                                1.062.40
                           17
                                HSIA. K
                                                  14.0
                                                                 216.73
                           20
                                HSIA. K
                                                  30.0
                                                                  470.87
                           21
                                HSIA. K
                                                  19.0
                                                                 Z98.0Z
                                HSIA. K
                                                                  658.76
                                                  42.0
                             TOTAL SSN
                                                 173.0
                                                                2.708.78
      327701452
                          12 GREEN.
                                                  1.5
                                                                   5.37
                       н
                           13 GREEN.
                                                   5.0
                                                                  17.86
                             TOTAL SSN
                                                   6.5
                                                                  23.23
      330460607
                           05
                                PHILLIP
                                                   1.0
                                                                   10.39
                           10
                                PHILLIP
                                                                   8.60
                                                   . 6
                           11
                                PHILLIP
                                                   2.5
                                                                   30.11
1
                           12
                                PHILLIP
                                                   2.7
                                                                   29.53
                           13
                                                   5.0
                                                                   53.81
                                PHILLIP
                           15
                                PHILLIP
                                                                   32.26
                                                   3.0
                           16
                                PHILLIP
                                                   3.2
                                                                   36.63
                           17
                                PHILLIP
                                                   1.5
                                                                   16.91
                           20
                                PHILLIP
                                                                   11.60
                                                   1.0
                           24
                                PHILLIP
                                                                   8.71
                                                   . 8
                           25
                                PHILLIP
                                                   2.5
                                                                  29.05
                           26
                                PHILLIP
                                                                   5.16
                                                   . 5
C
                           27
                                PHILLIP
                                                                  17.45
                                                   1.5
                                                                  290.91
                             TOTAL SSN
                                                  26.3
0
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SUPERFUND SITE COSTS---CUMULATIVE PAYROLL COSTS THRU JAN 11,1985 YERONA WELL FIELD (MI) SITE # 51

SFO 15 SFSITEND 51 AHRC 059

SOC SEC #	SOF	A C T	P	NAME	PAYR Hours	PAYR Am Cunt
336527205	2	0	17	MARCELO Otal SSN	12.0 12.0	119.85 119.85
,			•	OIAC 33M	12.0	117.03
350228017	4	н	05	FRYE	14.0	259.27
	4	H	86	FRYE, G	1.0	18.51
	4	н	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		FRYE, G	10.0	191.09
		H	14	FRYE, S	5.0	95.51
	4	H	15	FRYE, G	3.0	57.32
	4	· H	16	FRYE, G	2.0	38.20
		H	17	FRYE, G	27.0	515.98
	i	H	1 8 20	FRYE, G FRYE, G	1.5 39.5	28.73
	7	Н		FRYE, G	18.0	75 0.0 8 345.67
	•	H	22	FRYE, G	4.0	76.81
		H	23	FRTE. G	4.0	
	7.	н		FRYE. 6	1.0	76.01 19.20
	•	-		OTAL SSN	189.0	3,601.15
•			•	51AL 33N	107.0	3,041.13
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	Н	16	SARGENT	. 5	3.46
		Н	20	SARGENT	1.0	7.40
	4	H	22	SARGENT	1.0	7.62
,			T	DTAL SSN	9.0	58.20
358164417	4	H.	06	KING. E	6.0	103.24
	,	H	07	KING, E	5.0	86.03
	Á	H	09	KING. E	8.0	142.00
	4	H	10	KING, E	12.0	213.00
	4	н	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	н	19	KING, E	14.5	258.67
	4	H	20	KING, E	6.0	106.97

THRU JAN 11,1985 VERONA WELL FIELD (MI) SITE # 51

SUPERFUND SITE COSTS---CUMULATIVE PAYROLL COSTS SFO 15 SFSITENO 51 AHRC 05W SOC SEC # SOF P NAME PAYR PAYR P C HOURS AMOUNT 358164417 H 22 KING, E 6.5 115.98 TOTAL SSN 81.0 1.434.09 373468822 SCHM101 15.0 199.21 05 SCHMIDT 13.0 07 173.12 SCHMIDT 37.0 508.14 10 13 SCHMIDT 21.0 301.15 14 SCHMIDT 57.36 4.0 19 144.04 SCHMIDT 10.0 20 SCHMIDT 27.0 308.95 21 SCHMIDT 35.0 504.22 23 SCHNIOT 4.0 57.63 06 SCHMIDT 8.0 106.25 TOTAL SSN 174.0 2.440.07 391584674 THAKKAR 24.0 350.66 20 H 23 THAKKAR 1.5 21.98 T THAKKAR 15.0 219.16 21 03 THAKKAR 1.0 14.60 TOTAL SSN 41.5 606.40 H 10 KIM, TH 5.0 394480091 63.06 5.0 TOTAL SSN 63.06 KUEHL. 1.0 15.76 398500490 11 KUEHL. 2.0 31.54 12 KUEHL, 7.0 110.44 KUEHL. 6.5 102.62 13 15 KUEHL. 1.0 16.29 18 KUEHL. 2.0 32.60 20 KUEHL. 21.5 352.28 21 KUEHL. 2.0 32.77 TOTAL SSN 43.0 694.30

5.5

5.5

67.42

67.42

H 13 MAY, 00

TOTAL SSN

C

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01-15-85					ENV	IRDIMENTAL PROTEC	TION AGENCY	PAGE 14	i
							ATIVE PAYROLL COSTS IELD (MI) SITE # 51		
SFO 1 SFSITENO 5 AHRC 0									
SOC SEC #	SOF	A C T	P P	NAME	PAYR Hours	PAYR AM ÖUN T			
		,			, , , , , , , , , , , , , , , , , , ,			\$	
415908904	4	H		PARUEHU PARUCHU	20.0 27.0	267.44 361.07			
				DTAL SSN	47.0	628,51		•	
421527267	4	H	06 07	FLYNN, FLYNN,	4.0 3.0	71.81 53.86			
	4	H	10 11	FLYNN, Flynn,	2.0 8.0	40.16 160.69	•		
	4	H	12	FLYNN, Flynn,	3.0 1.5	60.24 30.09			
	4	H	15 17	FLYNN, Flynn,	1.5 1.0	30.21 20.08	,		
	4	H	16 20	FLTHN. FLY n n,	3.0 4.0	69.26 80.70			
	•	H	21 23	FLYNN,	2.5 1.5	50.54			
	4	H	24	FLYNN, Flynn,	.5	30.35 10.17			
	•	14	25 26	FLYNN,	2.2 .5	45.37 10.17			
	5	H	26 01	FLYNN, Flynn,	1.0	20-16			
			T	DTAL SSN	39.2	. 774.86			
583134415	4	н	20 21	FELICIA FELICIA	• 5 • 5	3.58 3.56			
	4	H	22	FELICIA	1.5	10.69			
	•	H	23 24	FELICIA FELICIA	.5 1.2	3.56 8.92			
	•			OTAL SSN	4.2	30.31			
			to	TAL AHRC	1,578.8	25.020.28			
•									
						•			
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					•				

01-15-85 ENVIRORMENTAL PROTECTION AGENCY SUPERFUND SITE COSTS---CUMULATIVE PAYROLL COSTS THRIJ JAN 11,1985 VERONA WELL FIELD (MI) SITE # 51 SF0 15 SESITENO 51 AHRC 05Y SDC SEC # SOF A P NAME PAYR PAYR HOURS AMOUNT 383406770 3 D 03 POWERS, 2.0 42.42 2.0 TOTAL SSN 42.42 TOTAL AHRC 42.42 2.0

PAGE 15

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

SESTEND 5: AHRC 0: SOC SEC #		 A C T	P NAME P	PAYR HOURS	PAYR AMOUNT
131306448	4	V D	26 BONDEN, TOTAL SSN	2.0 2.0	53.61
164221567	4	O·	15 REGAN, TOTAL SSN	i - 0 1 - 0	26.28 <
304405104	4	0	25 JOHNSON TOTAL SSN	1.0 1.0	8.23
			TOTAL AHRC	4.0	88.12

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

SFO 15 SFSITENO 55 AHRC 5	-				THRU JAN 11,1	985 VERONA WELL
SOC SEC #	SOF	A C T	P P	NAME	PAYR HOURS	PAYR AM DUNT
010343104	3	T	02	NEUDEL	2.0	21.42
	3 3	T	03	NEUDEL,	23.0	315.34
	3	T	04	NEUDEL,	2.0	27.42
	3 3 3	T	05	NEUDEL	4.0	54.90
	3	Ť	05	NEUDEL.	2.0	27.42
	3	Ť	06	MEUDEL	1.0	13.71
		T	09	MEUDEL	22.0	313.58
	3	Ŧ	09	MEUDEL,	5.0	71.30
	3	T	10	MEUDEL	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	WEUDEL,	4.0	56.92
	3	T	18	NEUDEL	16.0	· 227.71
			T	OTAL SSN	106.0	1,491.19
			10	TAL AHRC	106.0	1,491.19

TOTAL AHRC

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01-15-85
                                                    ENVIRONMENTAL PROTECTION AGENCY
                                            SUPERFUND SITE COSTS---CUMULATIVE PAYROLL COSTS
                                         THRU JAN 11,1985 VERONA WELL FIELD (MI)
                                                                                  SITE # 51
     SF0 15
     SFSITEND 51
     AHRC 725
     SOC SEC # SOF
                                NAME
                                            PAYR
                                                            PATR
                                           HOURS
                                                           AMOUNT
     075343373
                      H 12 LAFORNA
                                                4.0
                                                              109.80
                           TOTAL SSN
                                                4.0
                                                              109.80
C
     138522687
                      H 13 PRÌNCE,
                                               19.5
                                                              325.01
                           TOTAL SSN
                                               19.5
                                                              325.01
                      H 22 TURPIN,
     152368900
                                                6.0
                                                              139.64
                           TOTAL SSN
                                                              139.64
                                                6.0
                         20 URBAN,
                                                5.0
                                                               95.74
     153487844
                           TOTAL SSN
                                                5.0
                                                               95.74
                           TOTAL AHRC
                                               34.5
                                                              670.19
(
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PAGE 18

)	01-15-85						ENV	I RONMEN	TAL PROTEC	TION AGENC	Y					PAGE	1 9
						SI Thru	SUPERFUND SITE COSTSCUMULATIVE PAYROLL COSTS JAN 11,1985 VERONA WELL FIELD (MI) SITE # 51										
	SFO 15 SFSITENO 51 AHRC 71	l .															
	SOC SEC #	SOF	A C T Y	P P	NAME		AYR URS		AYR OUNT							Ŷ	
	154382503	4	7	22 CC TOTAL	ORWIN, . SSN		7.0 7.0		94.45 94.45						٠		
				TOTAL	AHRC		7.0		94.45								
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									,	.9							
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01-15-85
                                                     ENVIRONMENTAL PROTECTION AGENCY
                                              SUPERFUND SITE COSTS---CUMULATIVE PAYROLL COSTS
0
                                          THRU JAN 11,1985 VERONA WELL FIELD (MI) SITE # 51
     SFO
             15
     SESITENG 51
     AHRC
             815
                                                              PAYR
     SOC SEC # SOF
                                             HOURS
                                                             AMDUNT
(
                                                                 57.15
     077481193
                          14
                               FOOTE,
                                                 3.0
                          15
                               FOOTE,
                                                 2.0
                                                                 38.10
                          16 FOOTE.
                                                 3.0
                                                                57.16
                            TOTAL SSN
                                                 8.0
                                                                152.41
                          09 GRUNDLE
                                                 2.0
                                                                 30.99
     386689240
                            TOTAL SSN
                                                                30.99
                                                 2.0
                           TOTAL AHRC
                                                10.0
                                                                183.40
```

PAGE

20

01-15-85 ENVIRONMENTAL PROTECTION AGENCY PAGE 21 SUPERFUND SITE COSTS---CUMULATIVE PAYROLL COSTS THRU JAN 11-1985 VERONA WELL FIELD (MI) SITE 4 51 SFO 15 SESTENO 51 AHRC 815 SDC SEC # SOF A P NAME PAYR
C P HOURS PATR AM CLINT TOTAL SESTENO 5.617.0 90.515.66

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01-15-05
                                         ENVIRUNMENTAL PROTECTION AGENCY
                                  SUPERFUND SITE COSTS---CUMULATIVE PAYROLL COSTS
                               THRU JAN 11,1985 VERONA WELL FIELD (MI) SITE # 51
SFO 15
SESTEND 51
AHRC 815
SOC SEC # SOF
                 P NAME
                                  PAYR
                                  HOURS
                                                AMOUNT
                   TOTAL SFO 5,617.0 90,515.66
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PAGE

22

01-15-85 ENVIRONMENTAL PROTECTION AGENCY SUPERFUND SITE COSTS---CUMULATIVE PAYROLL COSTS THRU JAN 11,1985 VERONA WELL FIELD (MI) SITE # 51

NAME SOC SEC # SOF A PAYR PAYL HOURS AM OUNT

> GRAND TOTAL 5,617.0 90,515.66

PAGE

01-15-85

ENVIRONMENTAL PROTECTION AGENCY

PAGE

HAZAROOUS SUBSTANCE RESPONSE SITE (SI) VERONA MELL FIELD, MI FMD OBJECT CLASSES(FXCLUDING OBJECT CLASSES 11 AND 12 SALARIES AND FRINGES) AS OF JAN 11,1984 PREPARED BY R. HOFFMAN

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-	-	-	-	-	-	-		-	-

TRAVELER NAME	DOC CONTRL NUMBER	ACCOUNT NUMBER	A C T	OBLIG DOCUMENT NUMBER	OC	OBJT CLAS	CURRENT+PRIOR	CUM PAYMENTS (EXCLUDING ADVANCES)		ACTION DATE
	CA0 001	4TG805FT51	T	005US20184		2209	24.00 24.00	24.00 24.00	0.00 0.00	12-07-8
	CA1 001	4TG805FT51	ī	0001540093	21 TOTAL		6.00 6.00	6.00 6.00	0.00 0.00	11-16-8
	CA1002	4TG805FT51	T	0001540171	21 Total		7.00 7.00	7.00 7.00	0.00 0.00	11-15-8
	CA1 004	41FA05FD51	D	0001542952	Z1 TOTAL	2114 OCN	0.61 9.61	0.61 0.61	0.00 0.00	04-26-84
	CA1 007	4TFA05FD51	D	000TS42951	21 Total		37.69 37.69	37.69 37.69	0.00 0.00	04-26-84
	D28 116	31FA7Z5E51	E	0068950063	25 TOTAL	2535 DCN	20,000.00 20,000.00	20,000.00 20,000.00	0.00	12-05-8
	E1A296	4TFA725H51	н	Q00T972286	Z1 TOTAL		2.56 2.56	2.56 2.56	0.00 0.00	08-24-8
	E2H012	4TFA725L51	L	DW96045101	25 Total		10,000.00 10,000.00	558.28 558.28	9,441.72 9,441.72	05-09-84
	E2H081	MSFA725R51	R	0068016692	25 TOTAL	2535 DCN	500,000.00 500,000.00	227,331.28 227,331.28	272,668.72 272,668.72	01-07-89
	FC0001	4TFA05FH51 5TFA05FH51		0000040001 0000050001		2311 2401 DCN	15.12 5.05 20.17	15.12 5.05 20.17	0.00 0.00 0.00	04-09-86 01-10-8
	FC1 007	4TFA05FH51	н	OHT00T\$432	21 TOTAL		_ 6.98 6.98	6.98 6.98	0.00 0.00	06-06-84
	FC1 009	4TFA05FH51	н	0001542404	21 TOTAL	2114 DCM	34.76 34.76	34.76 34.76	0.00 0.00	03-21-84
	FC1011	4TFA05FH51	н	000TS42R30	21 TOTAL		11.28 11.28	11.28 11.28	0.00	04-10-84
	FC1015	4TFA05FH51	н		21 TOTAL		16.78 16.78	16.78 16.78	0.00 0.00	05-22-84

01-15-85 ENVIRONMENTAL PROTECTION AGENCY PAGE

HAZARDOUS SUBSTANCE RESPONSE SITE (51) VERONA NELL FIELD, MI FMD OBJECT CLASSES(EXCLUDING TIBECT CLASSES 11 AND 12 SALARIES AND FRINGES) A; OF JAN 11,1984

PREPARED BY R. HDFFMAN
SFSITEND 51

TRAVELER NAME	DOC CONTRL NUMBER	ACCOUNT NUMBER	A C T Y	OBLIG DOCUMENT NUMBER	-	OBJT CLAS	CUMULATIVE OBLIGATIONS CURRENT+PRIOR	CUM PAYMENTS (EXCLUDING ADVANCES)	UNPAID DELIGATIONS	LAST ACTION DATE
	FC0003	3TFA05F051	Đ	00SUS2XX83	22 Total		12.50 12.50	12.50 12.50	0.00 0.00	03-06-84
	DD1 002	4TJB058T51	T	00 SUS 20484	22 Total	2209 DCN	25.00 25.00	25.00 25.00	0.00 0.00	04-23-84
	001003	4138058151	τ	00SUS20484	22 TOTAL		25.00 25.00	25.00 25.00	0.00 0.00	04-23-84
	DD1 004	4TJ8058T51	T	00 SUS 20484	22 TUTAL	2209 DCN	25.00 25.0q	25.00 25.00	0.00 0.00	04-23-84
	DD1 005	41,8058151	T	0058520484	22 TOTAL		25.00 25.00	25.00 25.00	0.00 0.00	04-23-84
	DD1 001	37JB578T51	T	000TS30224	21 TOTAL	2111 DEN	51.62 51.62	51.62 51.62	0.00	03-23-83
HARTIAN, R HARTIAN, R HARTIAN, R	CA1 001	4TFA05FH51 4TFA05FH51 4TFA05FH51	н		21	2113 2111 2117 DCM	274.00 62.50 19.20 355.70	274.00 62.50 19.20 355.70	0.00 0.00 0.00 0.00	11-28-83 11-21-83 11-21-83
MARTIAN, R MARTIAN, R MARTIAN, R MARTIAN, R	CA1004	4TGBOSFT51	D T T	000TS42952 000TS42952 0TRTS40494 000TS40494	21 21 21 21	2113 2111 2117 2113 2111	164.00 62.50 23.25 144.00 62.50	164.00 62.50 23.25 144.00 62.50	0.00 0.00 0.00 0.00 0.00	05-22-84 04-26-84 04-26-84 12-05-83 02-10-84
HARTIAN, R HARTIAN, R		41G805F151 41G805F151	T	000TS40494 000TS40494		2114 2117 DCN	13.74 11.15 481.14	13.74 11.15 481.14	0.00	02-10-84
	C1A073	4TFA7Z5H51 4TFA7Z5H51 4TFA7Z5H51	н	0001954472	21	2113 2111 2117 DCN	144.00 42.49 20.00 206.49	144.00 42.49 20.00 206.49	0.00 0.00 0.00 0.88	02-03-84 02-14-84 02-14-84
	DD0 00 1	4TJB05BT51	. T	U50792NASA	26 TOTAL	2610 DCN	550.00 550.00	550.00 550.00	0.00 0.00	09-20-64
PRINCE, GE Prince, Ge	F18196	4TFA725H51 4TFA725H51		OTRT917743 000T917743		2113 2111	198.00 175.00	198.00 175.00	0.00 0.00	05-09-04 03-22-84

01-15-85

FNVIRONMENTAL PROTECTION AGENCY

PAGE

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

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TRAVELER NAME	OOC CONTRL Number	ACCOUNT NUMBER	C T Y	NUMBER	οc		CUMULATIVE OBLIGATIONS CURRENT+PRIOR	CUM PAYMENTS (EXCLUDING ADVANCES)	UMPAID OBLIGATIONS	LAST ACTION DATE
	E10104	4TFA725H51						33 64		
raince, or	F 10 170	4178123831	n	0001717743	TOTAL		395.00	22.00 3 9 5.00	0.00 0.00	03-22-8
CIBULSKIS,	F1B195	4TFA725H51	н	OTRT917742	21	2113	198.00	190.00	0.00	05-09-8
CIBULSKIS,		41FA725H51	н	000T917742	21	2111	175.00	175.00	0.00	03-22-84
CIBULSKIS.		41FA725H51	H	0001917742	21	2117	31.00	31.00	0.00	03-22-8
•					TOTAL	DCN	404.00	404.00	0.60	
		41FA7Z5H51				2113 -	5.00	5.00	8.00	02-07-84
TAIMI, KAT		41FA725H51	H	0001994298	21	2111	1.75	1.75	0.00	02-07-84
TAIMI, KAT		41FA725H51	H	-0001994296	21	2117	0.75	6.75	0.00	02-07-84
					TOTAL	DCN	15.50	15.50	0.00	
WILLIS. MA	E14151	4TFA725H51	н	OTRT972228	21	2113	167.00	167.00	0.06	09-10-8
WILLIS, MA	• • • • • • • • • • • • • • • • • • • •	41FA725H51	H	000T972228	21	2111	30.12	30.12	0.00	84-20-19
WILLIS, NA		41FA725H51	н	0001972220	21	2117	29.50	29.50	0.00	04-20-1
					TOTAL	DCN	226.62	226.62	0.00	
WILLIS, NA	E1A 294	41FA725H51	н	OTRT972288	21	2113	67.50	67.50	0.00	07-23-64
MILLIS, NA		41FA725H51				2111	- 38.96	38.96	0.00	05-02-84
WILLIS, NA		41FA725H51	Н	0001972280		2117	6.75	6.75	0.00	08-02-84
					TOTAL	DCM	113.21	113.21	0.00	
BIXCER, DO		4TFA725H51					67.50	67.50	0.00	07-23-84
BIXLER, DO		4TFA725H51				2111	37.76	37.76	0.00	08-24-84
BIXLER, DO		41FA725H51	н	0001972286	21 TOTAL	2117 DCN	6.75 112.01	6.75 112.01	0.00 0. 0 0	08-24-84
			_							
	EZHQ99	47FA725551	3	0000579301	TOTAL		444,123.00 444,123.00	0.00 0.00	444,123.00 444,123.00	09-30-84
	D2HB08	4TFA725E51	F	0068950063	25	7535	7.877.25	7.877.25	0.00	04-09-84
			-		TOTAL		7,877.25	7,877.25	0.00	4- 45-0-
OL .NOZNAH	E14295	41FA725H51	н	QTRT972289	21	2113	67.50	67.50	0.00	07-23-84
OL . HOZMAH		4TFA725H51				2111	41.45	41.45	0.00	10-09-84
HANSON, JO		41FA725H51				2117	7.00	7.00	0.00	10-09-84
					TOTAL		115.95	115.95	0.00	•••••
1	CA1001	3TFA05FH51	н	0001533704	21	2111	62.71	82.71	0.00	06-05-83
	- -			0001531104			1.00		0.00	08-05-83
					TOTAL		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

PAGE

SFSITENO 51 DDC ACCOUNT A DBLIG' MAJ DBJT CUMULATIVE CUM PAYMENTS UNPAID TRAVELER --LAST--DOCUMENT OC CLAS (EXCLUDING ADVANCES) NAME CONTRL NUMBER C DBLIGATIONS OBLIGATIONS ACTION ' NUABER T NUMBER CURRENT+PRIOR DATE Y TANAKA, JO FC1019 4TFA05FH51 H 0TRTS43579 21 2113
TANAKA, JO 4TFA05FH51 H 000TS43579 21 2111
TANAKA, JO 4TFA05FH51 H 000TS43579 21 2117 242.00 231.00 12.00 485.00 242.00 0.00 06-20-84 231.00 0.00 06-05-84 12.00 0.00 06-05-84 TOTAL DCN 485.00 0.00 TALBERT, P DA1016 4TG805FT51 T 0TRTS45030 21 2113
TALBERT, P 4TG805FT51 T 000TS45030 21 2111
TALBERT, P 4TG805FT51 T 000TS45030 21 2117 252.00 252.00 76.25 76.25 51.50 51.50 379.75 379.75 0.00 10-10-84 0.00 09-25-84 0.00 09-25-84 TOTAL DON 0.00 -43.00 5.65 58.00 58.00 288.65 288.7 225.00 225.00 TALBERT, P D81005 4TG805FT51 T 0TRTS42733 21 2113 0.00 05-04-R4 5.65 58.00 47GB05FT51 T 000TS42733 21 2111 4TGB05FT51 T 000TS42733 21 2117 TALBERT, P 0.00 04-05-84 TALBERT, P 0.00 04-05-84 TOTAL DON 0.00 TALBERT, P DB1006 4TGB05FT51 T 0TRTS44035 21 2113
TALBERT, P 4TGB05FT51 T 000TS44035 21 2111
TALBERT, P 4TGB05FT51 T 000TS44035 21 2117 195.00 75.00 195.00 0.00 07-23-84 75.00 0.00 07-31-84 48.00 48.00 0.00 07-31-84 318.00 TOTAL DCN 318.00 0.00
 TALBERT, P
 DO1001
 4TJ8058T51
 T
 OTRTS41679
 21
 2113

 TALBERT, P
 4TJ8058T51
 T
 0007541679
 21
 2111

 TALBERT, P
 4TJ8058T51
 T
 0007541679
 21
 2117
 179.00 179.00 0.00 01-01-84 84.00 84.00 0.00 02-06-84 45.75 45.75 02-06-84 0.00 300.75 TOTAL DEN 308.75 0.00 164.00 17.25 36.00 TALBERT, P D01002 4TJB058T51 T 0TRTS42113 21 2113
TALBERT, P 4TJB058T51 T 0007542113 21 2111
TALBERT, P 4TJB058T51 T 0007542113 21 2117 164.00 164.00 0.00 03-20-84 17.25 17.25 0.00 03-02-84 36.00 0.00 03-02-84 TOTAL OCN 217.25 0.00 TALBERT, P DD1003 4TJ805BT51 T 0TRT542414 21 2113 180.00 100.00 0.00 04-18-64 7.25 47J8058751 T 000TS42414 21 2111 TALBERT. P 7.25 0.00 03-14-84 50.50 237.75 TALBERT, P 4TJB058T51 T 000TS42414 21 2117 50.50 0.00 03-14-84 TOTAL DCM 237.75 6.00 50.00 50.00 04-18-84 THOMAS, TH FC1014 4TFA05FH51 H 000TS42902 21 2111 0.00 35.52 4TFA05FH51 H 000TS42902 21 2115 04-18-84 THOMAS, TH 35.52 0.00 4TFA05FH51 H 000TS42902 21 2117 15.50 15.50 0.00 04-18-84 THOMAS. TH 101.02 101.02 0.00 TOTAL DCN
 VANDERLAAN
 FC1004
 3TFA05FH51
 H
 0TRTS33718
 21
 2113
 59.00

 VANDERLAAN
 3TFA05FH51
 H
 000TS33718
 21
 2111
 50.00
 59.00 50.00 0.00 09-08-63 0.00 08-04-83

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HAZAPDOUS SUBSTANCE RESPONSE SITE (51) VERONA MELL FIELD, MI FMD OBJECT CLASSES(EXCLUDING DBJECT CLASSES 11 AND 12 SALARIES AND FRINGES) AS OF JAN 11,1984 PREPAREO BY R. HOFFMAN

SFSITENO 51 TRAVELER DOC ACCOUNT A DBLIG MAJ DBJT CUMULATIVE CUM PAYMENTS UNPATO CONTRL OBLIGATIONS (EXCLUDING CURRENT+PRIOR ADVANCES) NUMBER C DOCUMENT DC CLAS ACTION NAME OBLIGATIONS NUMBER T NUMBER DATE VANDERLAAN FC1004 3TFA05FH51 H 000TS33718 21 2117 6.00 TOTAL DCN 115.00 6.00 115.00 0.00 3TFA05FD51 D 07RTS33853 21 2113 156.00 156.00 3TFA05FD51 D 000TS33853 21 2111 40.74 40.74 3TFA05FD51 D 000TS33853 21 2117 1.00 1.00 TOTAL DCN 197.74 VANDERLAAN FC1005 3TFA05F051 D 07RTS33853 21 2113 0.00 09-08-83 0.00 98-99-93 VANDERLAAN 0.00 08-09-93 0.00
 VANDERLAAN
 FC1006
 3TGB05FT51
 T
 OTRTS34293
 21
 2113
 168.00
 168.00

 VANDERLAAN
 3TGB05FT51
 T
 000TS34293
 21
 2111
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 VANDERLAAN
 3TGB05FT51
 T
 000TS34293
 21
 2115
 44.60
 46.96

 VANDERLAAN
 3TGB05FT51
 T
 000TS34293
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 2117
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 VANDERLAAN
 4TFA05FH51
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 00TS42166
 21
 2113
 164.00
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 VANDERLAAN
 4TFA05FH51
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 2111
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 VANDERLAAN
 4TFA05FH51
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 2117
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 2117
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 0.00 09-29-83 9.00 09-26-83 0.00 09-26-83 0.00 09-26-83 164.00 50.02 41.00 590.68 8.00 84-04-84 0.00 #3-07-84 0.00 03-07-84 0.00 164.00 358.90 274.56 61.55 164.00 35**6.9**0 FC1007 4TFA05FH51 H OTRTS42167 21 2113 0.00 04-04-84 4TFA05FH51 H 000TS42167 21 2111 0.00 03-15-84 4TFA05FH51 H 000TS42167 21 2115 274.56 61.55 859.81 0.00 03-15-64 41FA05FH51 H 000TS42167 21 2117 0.00 03-27-84 859.01 .TOTAL DCN 0.00 100.00 236.65 CAPLICE. D FC1001 STFA05FH51 H OTRTS50157 21 2113 100.00 11-20-84 CAPLICE, D 5TFA05FH51 H 000TS50157 21 2111 236.65 0.00 11-27-84 165.61 76.66 579.12 CAPLICE, D STFA05FH51 H 000TS50157 21 2115 165.81 0.00 11-27-84 5TFA05FH51 H 000TS50157 21 2117 CAPLICE. D 76.66 0.00 11-27-04 J 579.12 TOTAL DON 0.00 144.00 59.16 CAPLICE, D FC1002 4TFA05FH51 H OTRT540521 21 2113 144.00 0.00 12-05-83 59.16 4TFA05FH51 H 000TS40521 21 2111 0.00 11-18-63 CAPLICE. D 4TFA05FH51 H 000TS40521 21 5TGB05F451 4 0TRTS50832 21 35.00 CAPLICE, D CAPLICE, D CAPLICE, D CAPLICE, D CAPLICE. D 2117 35.00 0.00 11-18-83 2113 138.00 130.00 0.00 12-24-84 59.16 6.98 6.80 449.10 59.16 5TGB05F451 4 000TS50832 21 0.00 2111 12-18-84 59.16 6.98 6.60 449.10 6.98 5TG805F451 4 000TS50832 21 2114 0.00 12-18-84 5TGB05F451 4 000TS50R32 21 2117 0.00 12-18-84 TOTAL DCN 0.00 100.00 113.44 17.40 230.84 100.00 113.44 17.40 CAPLICE, D EC1003 57FA05FH51 H 07RTS50351 21 2113 0.00 11-20-84 CAPLICE, D 5TFA05FH51 H 000TS50351 21 2111 CAPLICE, D 5TFA05FH51 H 000TS50351 21 2117 0.00 01-10-85 0.00 01-10-85 CAPLICE. D 230.84 0.00 TOTAL OCN

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ENVIRONMENTAL PROTECTION AGENCY

PAGE

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

SESTIENO 51	l									
TRAVELER NAME	OQC CONTRL NUMBER	ACCOUNT NUMBER	A C T Y	OBLIG ODCUMENT NUMBER		OBJT CLAS	CUMULATIVE OBLIGATIONS CURRENT+PRIOR	CUM PAYMENTS (EXCLUDING ADVANCES)	UMPAID OBLIGATIONS	LAST ACTION DATE
CAPLICE. D	FC1084	4TFA05FH51	н	OTRT545293	21	2113	157.00	157.00	0.00	10-23-84
CAPLICE. D		4TFA05FH51		000TS45293		2111	70.80	70.80	0.00	09-28-84
CAPLICE. D				0007545293		2117	96.11	90.11	0.00	09-28-84
					TOTAL		325.91	325.91	0.00	
CAPLICE. D	FC1 90 7	41FA05FN51	н	OTRT543265	21	2113	164.00	164.00	0.00	06-06-84
CAPLICE, B	-	41FA05FH51	H	Q00TS42167	21	2114	84.44	84.44	0.00	03-15-84
CAPLICE, D		4TFAQ5FH51	н	000TS43265	21	2111	17.25	17.25	0.60	06-06-84
CAPLICE, D		4TFA05FH51	H	Q00TS43265	21	2115	32.24	32.24	0.00	06-06-84
CAPLICE, D		4TFAO5FH51	H	000T\$43265		2117	15.80	15.00	0.00	06-06-84
					TOTAL	DCN	313.73	313.73	0.00	
CAPLICE. D	FC1404	-41FA05FH51	н	OTRT543574	21	2113	164.00	164.00	0.00	06-20-84
CAPLICE, D		4TFA05FH51	H			2111	366.81	366-81	0.00	06-15-84
CAPLICE, D		4TFA05FH51				2115	225-68	225-68	0.00	06-15-84
CAPLICE. D		4TFA05FH51	_			2117	46.50	46.50	0.00	06-15-84
CAPLICE, D		4TGB05FT51	Ţ			2113	164.00	164.00	0.00	09-11-84
CAPLICE, D		4TGB05FT51	Ţ			2111	62.50	6Z-50	0.00	08-21-84
CAPLICE, D		4TGB05FT51	T	0007544761	TOTAL	2117 DCM	83.94 1,113.43	83.94 1,113.43	0.00 0.00	08-21-84
CABLICE. 0	EC1 400	41FA05FH51	н	OTRTS43605	21	2113	164.00	0.00	164.00	05-21-84
CAPLICE, D	Levana	4TFA05FH51	H	000TS43605		2111	23.00	23.00	0.00	06-15-84
CAPLICE. O		4TFA05FH51	н	0001543605		2115	32.24	32.24	0.00	06-15-84
CAPLICE. D		4TFA05FH51	H		-	2117	20.00	20.90	0.00	06-15-04
					TOTAL		239.24	15.24	164.00	Q
CAPLICE. D	FC1010	4TFA05FH51	н	OTRTS43934	21	2113	164.00	164.00	0.00	07-23-84
CAPLICE. D		4TFA05FH51	н	0001543934	71	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	0001543934	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	DCN	260.48	260.48	0.00	
CAPLICE, D	FC1011	41FA05FH51	н	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		41FA05FH51	Н	0001544026	21	2114	6.98	6.98	0.00	07-05-84
CAPLICE, D		4TFA05FH51	Н		21	2115	93.60	93.60	0.00	07-05-84
CAPLICE, D		41FA05FH51	Н	000TS44026		2117	44.05	44.05	0.00	07-05-84
					TOTAL	DCN	450.62	450.62	0.00	
CAPLICE, D	FC1013	41FA05FH51	н	OTRT544272	21	2113	164.00	164.00	0.00	08-09-84
_										

ENVIRONMENTAL PROTECTION AGENCY

PAGE

MAZARDOUS SUBSTANCE RESPONSE SITE (51) VERONA WELL FIELD, MI FMD OBJECT CLASSESCEXCLUDING UBJECT CLASSES 11 AND 12 SALARIES AND FRINGES) AS OF JAN 11,1984

PREPARED BY R. HOFFMAN

SESTEND 51	1					PRt	PAREU BY R. HUFFMAN			
TRAVELER Name	DOC CONTRL DOC	ACCOUNT NUMBER	A C T Y	OBLIG DOCUMENT NUMBER		ORJT CLAS	CUMULATIVE OBLIGATIONS CURRENT+PRIOR	CUM PAYMENTS (EXCLUDING ADVANCES)	UMPAID OBLIGATIONS	LAST ACTION DATE
CAPLICE. D	FC1013	41FA05FH51	н	000TS44272	71	2111	67.05	67.05	0.00	07-24-04
CAPLICE. D	PC1013	4TFA05FH51	н	0001544272		2115	64.48	64.48	0.00	07-24-84
CAPLICE, D		4TFA05FH51		0001544272		2117	42.25	42.25	0.00	07-24-84
1			•		TOTAL		337.78	337.76	0.00	
CAPLICE, D	FC1 015	4TFA05FH51	н	OTRTS43297	21	2113	164.00	164.00	0.00	06-06-84
CAPLICE, D		4TFA05FH51	н	000TS43297	21	2111	17.25	17-25	0.00	05-22-84
CAPLICE, D		4TFAQ5FH5I	H	Q0QTS43297		2115	32.24	32.24	0.00	05-22-84
CAPLICE, D		4TFA05FH51	H	0001543297		2117	6.00	6.00	0-00	05-22-84
	1	•			TOTAL	DCN	219.49	Z19.49	0.00	
CAPLICE. D	FC1016	4TFA05FH51	н	OTRTS43298	21	2113	164.00	164-00	0.00	96-96-84
CAPLICE, D		4TFA05FH51	Н	000TS43298	-	2111	94.66	94-46	0.00	06-15-84
CAPLICE. D		4TF405FH51	Н	0001543298		2114	6.98	6.98	0.00	06-15-84
CAPLICE, O		4TFA05FH51	н	0001543298		2115	73.67	73.67	0.00	96-15-84
CAPLICE, D		4TFA05FH51	н	0001543298	70TAL	2117 DCM	10.80 358.11	10.40 35 4. 11	0.00 0.00	96-15-84
CAPLICE. D	FC1017	4TFA05FH51	н	OTRT543299	21	2113	164.00	164.90	0.00	06-06-84
CAPLICE. D		4TFA05FH51		0001543299		2111	224.82	224.82	0.00	06-15-84
CAPLICE. D		41FA05FH51	H	0001543299		2115	161.20	161.20	0.00	06-15-84
CAPLICE. D		4TFA05FH51	Н	0001543299	21	2117	38.50	38.50	0.00	06-15-84
					TOTAL	DCM	588.52	588.52	0.00	
CAPLICE, D	FC1020	4TFAOSFHS1	н	OTRT543776	21	2113	164.00	164.00	0.00	07-09-84
CAPLICE. D		4TFA05FH51	н	0001543776		2111	153.02	153.82	0.00	06-25-84
CAPLICE, 0		4TFAQSFH51		0007543776		2114	6.98	_6.78	0.00	06-25-84
CAPLICE, D		4TFA05FH51	H	0001543776		2115	96.72	96.72	0.00	06-25-84
CAPLICE, D	•	4TFA05FH51	H	0001543776	_	2117	56-05	56-05	0.00	06-25-84
					TOTAL	DCN	477.57	477.57	0.00	
CAPLICE, 0	FC1021	4TFA05FH51	н	OTRTS43807	21	2113	164.00	0.00	164.00	05-31-84
CAPLICE, D	•	4TFA05FH51		0001543807		2111	17.25	17-25	0.00	06-25-84
CAPLICE, D		4TFA05FH51	Н	0001543807		2114	6.90	6.98	0.00	06-25-84
CAPLICE, B		41FA05FHS1	H	0001543807		2115	32.24	32-24	0.00	06-25-84 06-25-84
CAPLICE, D		4TFA05FH51	Н	0001543807	21 Total	2117 000	15.80 236.27	15.80 72.27	0.00 164.00	V0-27-84
					101-6					
CAPLICE, D	FC1022	4TFA05FH51	Н	OTRT544346		2113	164.00	164.00	0.00	08-09-84
CAPLICE, D	ري مانهيون د انهيون	4TFAQ5FH51	н			2111	71.00	71.00	0.00	08-01-84
CAPLICE. D		4TFA05FH51	Н	0001544346		2115	64.48	64.48	0.00	08-01-84 08-01-84
CAPLICE, O		4TFAOSFH51	н	0097544746	21	2117	42.00	42.00	0.00	08-01-84

ENVIPONMENTAL PROTECTION AGENCY

PAGE

HAZARDOUS SUBSTANCE RESPONSE SITE (51) VERONA WELL FIELD, MI FMD OBJECT CLASSES(EXCLUDING D3JECT CLASSES 11 AND 12 SALARIES AND FRINGES) AS OF JAN 11,1984 PREPARED BY R. HOFFMAN

SESITENO S	31					PRE	EPAREO 87 R. HOFFMAI			
TRAVELER NAME	DOC Contrl Number	ACC OUNT NUMBER	A C T	OBLIG DOCUMENT NUMBER		OBJT CLAS	CUMULATIVE OBLIGATIONS CURRENT+PRIOR	CUM PAYMENTS (EXCLUDING ADVANCES)	UNPAIÓ OBLIGATIONS	LAST ACTION DATE
				>	- TOTAL	DCN	341.48	341.48	0.00	<
PERRECONE,				OTRTS40093		2113	312.00	312.00	0.00	11-28-8
PERRECONE,	1	4TGB05FT51	T	000TS40093	21	2111	79.62	79.62	0.00	11-10-6
PERRECONE,	,	4TG805FT51	T	000TS40093	21	2117	56.80	56.89	0.00	11-10-6
PERRECONE,)	5TFA05FD51	D	OTRT\$50840	21	2113	122.00	122.00	0.00	12-24-6
PERRECONE,	,	51FA05F051	0	000TS58840	21	2111	52.95	52.95	0.00	12-07-0
PERRECONE.	1	STFA05FD51	0	0007550840	21	2115	45.97	45.97	0.00	12-07-1
PERRECONE	,	5TFA05F051	D	000TS50840	21	2117	0.90	6.70	0.00	12-07-
·					TOTAL	DCN	670.24	670.24	0.00	
PERRECONE.	CA1002	4TFA05FD51	D	OTRT542007	21	2113	164.00	164.00	0.00	03-20-
PERRECONE		4TFA05F051		0001542007		2111	47.63	47.63	0.00	99-22-
PERRECONE		41FA05F051	-	0001542007		2117	24.20	24.20	0.00	00-22-
PERRECONE		41GB05FT51	Ť	OTRT540171		2113	162.00	162.00	●.00	11-28-
PERRECONE		4TG805F751	Ť			2111	43.33	43.33	0.00	11-15-
PERRECONE		476805FT51				2117	54.25	54.25	0.00	11-15-
· caacoone,		***************************************	•		TOTAL		495.61	495.61	0.00	
PERRECOME.	. CA1003	4TFA05FD51	D	OTRT542833	71	2113	82.00	#Z.00	0.00	05-04-
PERRECONE		4TFA05F051		000TS42833		2111	29.26	29.26	0.00	04-18-
PERRECONE		4TFA0SFD51	_	000TS42833		2117	49.31	49.31	0.00	04-18-
PERRECONE		41G805FT51				2113	. 144.00	144.00	0.00	12-05-
PERRECONE		41G805FT51	i			2111	50.00	50.00	0.00	12-30-
PERRECONE		416805FT51	Ť			2114	6.15	6.15	0.00	12-30-
PERRECONE		4TGB05FT51	Ť	000TS40493		2115	33,74	33.74	9.00	12-30-
PERRECONE.		416805FT51	•			2117	7.76	7.76	0.00	12-30-
* CANCOOK!		410003: 131	•	0001340475	TOTAL		402.22	402.22	0.00	,,
PERRECONE.	C41005	4TG805FT51	•	OTRT540758	21	2113	164.00	164.00	0.00	12-22-
PERRECONE.			Ť	0001540758		2111	46.41	46.41	0.00	12-28-
PERRECONE		4TGB05FT51	Ť	0001540758		2114	6.15	6.15	0.00	12-28-
PERRECONE.		41G805F151	Ť			2115	30.00	30.00	0.00	12-28-
PERRECONE,		41G805F151	-			2117	16.00	16.00	0.00	12-28-
FERRELUME:		4100037131	1	2001340138	TOTAL		262.56	262.56	0.00	14-49-
menner ave	£11002	4164056051	0	OTRT542951	21	2113	164.00	164.00	0.00	05-22-
PERRECONE,										04-26-
PERRECONE,		41FA05FD51	0	0007542951		2111	40.03	40.03	0.00	
PERRECONE,		4TFA05FD51	0	0001542951		2117	19.35	19.35	0.00	04-26-
					TOTAL	ULN	223.38	223.36	0.00	
MUSGRAVE.	CA1008	41FA05FD51	D	OTRT542954	21	2113	192.00	192.00	0.00	05-22-

ENVIRONMENTAL PROTECTION AGENCY

HAZARDOUS SUBSTANCE RESPONSE SITE (51) VERONA WELL FIELD, MI FMD OBJECT CLASSES(EXCLUDING GBJECT CLASSES 11 AND 12 SALARIES AND FRINGES) AS OF JAN 11.1984

PREPARED BY R. HOFFMAN

SESITENO 51 TRAVELER DOC ACCOUNT A OBLIG MAJ OBJT CUMULATIVE CUM PAYMENTS UMPAID --T2A1--NUMBER C DOCUMENT DC CLAS OBLIGATIONS (EXCLUDING T NUMBER CURRENT+PRIOR ADVANCES) NAME CONTRL ACTION OBLIGATIONS NUMBER DATE Y MUSGRAVE, CA1008 4TFA05F051 D 000TS42954 21 2111 45.51 45.51 0.00
MUSGRAVE, 4TFA05F051 D 000TS42954 21 2117 0.25 0.25 0.00
TOTAL DCN 237.76 237.76 0.00 0.00 04-18-84 04-18-84 144.00 144.00 52.65 52.65 21.00 21.00 217.65 217.65 NORLING, F FC1002 4TG805FT51 T OTRTS40518 21 2113 0.00 0.00 0.00 12-05-83 NDRLING, F 4TGB05FT51 T 000T540518 21 2111 11-18-83 NORLING. F 4TGB05FT51 T 000TS40510 21 2117 11-18-83 TOTAL DCM 0.00 62.00 62.00 47.18 47.18 109.18 109.18 KRATZMEYER FC1013 4TFA05FH51 H 000TS42901 21 2111 0.00 84-26-84 KRATZMEYER 4TFA05FH51 H 000TS42901 21 2115 0.00 04-26-84 TOTAL DCM 0.00
 DIKINIS, J
 FC1001
 4TFA05FH51
 H
 0TRT\$40520
 21
 2113

 DIKINIS, J
 4TFA05FH51
 H
 000T\$40520
 21
 2111

 DIKINIS, J
 4TFA05FH51
 H
 000T\$40520
 21
 2117

 DIKINIS, J
 4TG805FH51
 T
 0TRT\$40097
 21
 2113
 0.00 12-05-83 0.00 11-18-83 DIKINIS, J 4TFA05FH51 H 000TS40520 21 2117
OIKINIS, J 4TGB05FT51 T 0TRTS40097 21 2113
OIKINIS, J 4TGB05FT51 T 000TS40097 21 2111
OIKINIS, J 4TGB05FT51 T 000TS40097 21 2115
OIKINIS, J 4TGB05FT51 T 000TS40097 21 2117
OIKINIS, J 4TGB05FT51 T 000TS40097 21 2117
OIKINIS, J 5TGB05F451 4 0TRTS50B31 21 2113
OIKINIS, J 5TGB05F451 4 000TS50B31 21 2111
OIKINIS, J 5TGB05F451 4 000TS50B31 21 2117 0.00 11-18-83 0.00 11-28-83 0.00 11-04-63 0.00 11-08-83 0.00 11-08-83 0.00 12-24-84 0.00 17-18-84 0.00 12-18-84 TOTAL DCM 0.00 TTAUSFH51 H 000TS44755 21 2113

4TFAUSFH51 H 000TS44462 21 2111

4TFAUSFH51 H 000TS44462 21 2115

4TFAUSFH51 H 000TS44462 21 2117

5TFAUSFH51 H 000TS44462 21 2117

5TFAUSFH51 H 000TS44462 21 2117

5TFAUSFH51 H 000TS44462 21 2117 172.70 69.21 175.00 DIKINIS, J FC1002 4TFA05FH51 H 0TRTS40755 21 2113 172.70 69.21 0.00 12-27-63 0.00 12-27-83 Olkinis. J 175.00 08-20-84 0.00 DIKINIS, J 115-44 08-20-84 DIKINIS, J 115.44 0.00 37.48 37-48 0.00 08-20-84 DIKINIS. J 100.00 100.00 0.00 112.50 112.50 0.00 62.70 62.70 0.00 10.40 10.40 0.00 855.43 855.43 0.00 DIKINIS, J 11-20-64 DIKINIS. J 0.00 11-16-84 11-16-84 DIKINIS, J DIKINIS, J STFA05FH51 H 000TS50350 21 2117 11-16-84 TOTAL DCN 270.00 270.00 42.60 42.60 27.20 27.20 225.00 225.00 178.08 178.08 77.69 77.69 DIKINIS, J FC1003 4TFA05FH51 H 0TRTS41412 21 2113
DIKINIS, J 4TFA05FH51 H 000TS41412 21 2111
DIKINIS, J 4TFA05FH51 H 000TS41412 21 2117 0.00 02-16-84 01-30-84 0.00
 DIKINIS, J
 4TFA05FH51 H
 H UUDT54142 CL
 2111

 DIKINIS, J
 4TFA05FH51 H
 H 000TS41622 21 2111

 DIKINIS, J
 4TFA05FH51 H
 000TS41622 21 2115

 DIKINIS, J
 4TFA05FH51 H
 000TS41622 21 2117
 0.00 01-30-84 0.00 02-13-84 0.00 02-13-64 0.00 02-13-84

PAGE

01-15-85

ENVIRONMENTAL PROTECTION AGENCY PAGE 10

HAZARDOUS SUBSTANCE RESPONSE SITE (51) VERONA WELL FIELD. MI FMD DBJECT CLASSES(EXCLUDING GBJECT CLASSES 11 AND 12 SALARIES AND FRINGES) AS OF JAN 11-1984

DOEDARED BY R. HOFFMAN

8	SFSITENO 5	1	· · · · · · · · · · · · · · · · · · ·						" 		
Ģ	TRAVELER NAME	DOC CONTRL NUMBER	ACCDUNT NUMBER	A C T	OBLIG DOCUMENT NUMBER	MAJ 30	CLAS	CUMULATIVE DBLIGATIONS CURRENT+PRIOR	CUM PAYMENTS (EXCLUDING ADVANCES)	UNPAID OBLIGATIONS	tast Action Date
•				¥ 							,

6		18ER	NUMBER	T	NUMBER	UE	LLAS	CURRENT + PRIOR	ADVANCES)	GBCIGATIONS	DATE
•										*	,
.سو	DIKINIS, J FCI	003	4TFA0SFH51	н	0001544868	21	2111	175.00	175.00	0.00	08-26-84
6	DIKIMIS. J		4TFA05FH51	Ħ	0001544868	21	2117	148.27	148.27	0.00	08-26-84
	DIKINIS, J		4TGB05FT51	T	000TS41016	2 l	2111	167.50	187.50	0.00	12-28-83
 .	DIKINIS, J		4TGB05FT51	T	000TS41016	21	2115	165.76	165.76	0.00	12-20-03
•	DIKINIS, J		4TG805FT51	T	000TS41016	21	2117	51.32	51.32	0.00	12-28-83
						TOTAL	DCN	1,548.42	1,548.42	0.00	
G	DIKINIS, J FC1	1004	47FA05FH51	н	OTRT541669	21	2113	164.00	164-00	0.00	03-01-84
	DIKINIS, J		4TFA05FH51	H	OTRTS42112	21	2113	194.00	194.00	0.00	03-20-84
_	DIKINIS, J		4TFA05FH51	Н	0001541669	21	2111	223.50	223.50	0.00	02-13-84
4	DIKINIS. J		4TFA05FH51	. H	000TS41669	21	2115	104.00	104.00	0.00	02-13-84
	DIKINIS, J		4TFA05FH51	H	0001541669	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
Ğ	DIKINIS. J			H			2117	12.20	12.20	0.00	03-07-84
	DIKINIS, J		4TGB05FT51	T	000TS40909	21	2111	237.50	237.50	0.00	17-20-83
÷	DIKINIS, J		4TG805FT51	Ŧ	000TS40909	21	2117	19.66	19.66	0.00	12-28-83
Ċ	DIKINIS, J		STFA0 SFH51	H	OTRT550625	21	2113	138.00	138.00	. 0.00	11-29-84
	DIKINIS, J		STFA05FH51	H	000TS50625	21	2111	37.50	37.50	0.00	12-17-84
٠.	DIKINIS, J		STFA05FH51	H	000TS50625	21	2115	49.60	49.60	0.00	12-17-84
6	DIKIMIS, J		STFAQSFH51	Н	0001550625	21	2117	12.20	12.20	0.00	12-17-84
		•	•			TOTAL	DEM	1,326.80	1,326.50	0.00	
6	DIKINIS. J FC1	1 005	4TFA05FH51	H	OTRTS41974	21	2113	164.00	164.00	0.00	03-20-84
	DIKINIS, J		4TFA05FH51	Н	OTRT\$42145	21	2113	234.00	234.00	0.00	04-04-84
_	DIKINIS, J		4TFA05FH51	H	0001541974	21	2111	75.00	75.00	0.00	02-27-84
6	DIKINIS, J		4TFA05FH51	H	000TS41974	21	2115	31.67	31.67	0.00	02-27-84
	DIKINIS. J		4TFA05FH51	H	0001541974	21	2117	7.40	7.40	0.00	02-27-84
	BIKINIS. J		4TFA05FH51	H	0001542145	21	2111	147.80	147.00	· 0.60	03-07-04
6	DIKINIS, J		4TFA05FH51	H	000TS42145	21	2115	72.06	72-96	0.00	03-07-84
	DIKINIS, J		4TFA05FH51	H	000TS42145	21	2117	47.86	47.86	0.00	03-07-84
Ğ						TOTAL	DCN	779.79	779.79	0.00	
•	DIKINIS. J FCL	1006	4TFA05FH51	н	OTRT542728	21	2113	379.00	379.60	. 6.60	85-84-84
	DIKINIS. J		4TFA05FH51	н	0001542728		2111	85.06	85.06	0.00	05-04-84
•	DIKINIS. J		4TFA05FH51	н			2115	33.60	33.80	0.00	05-04-84
	DIKINIS, J			H	0001542728		2117	31.20	31.20	0.00	05-04-84
4						TOTAL	DCN	529.06	529.06	0.00	
•	1		4 TCB055751		0007543040	21	2111	42 56	47.50	0.00	04-14-84

DIKINIS, J FC1007 4TGB05FT51 T 000TS42910 21 2111 62.50 0.00 04-16-84 62.50 23.72 0.00 04-16-84 DIKINIS, J 4TGB05FT51 T 000TS42910 21 2117 23.72 86-22 0.00 TOTAL DEN 86.22

01-15-85 ENVIRONMENTAL PROTECTION AGENCY PAGE 11

HAZARDOUS SUBSTANCE RESPONSE SITE (51) VERONA HELL 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	ODC CONTRL NUMBER	ACCOUNT Number	A C T Y	OBLIG DOCUMENT NUMBER		DSJT CLAS	CUMULATIVE OBLIGATIONS CURRENT+PRIOR	CUM PAYMENTS (EXCLUDING ADVANCES)	UNPAID OBLIGATIONS	LAST ACTION DATE
DIKINIS. J	FC1008	4TFA05FH51	н	000TS42336	21	2111	125.71	125.71	0.00	03-14-64
DIKINIS, J		4TFA05FH51	н	000TS42336	21	2115	96.32	96.32	0.00	04-04-84
DIKINIS, J		41FA05FH51	H	000TS42336	21	2117	20.95	20.95	0.00	03-14-84
					TOTAL	DCN	242.98	242.98	0.00	
	FC1009	4TFA0SFH51				2113	180.00	185.00	0.00	04-18-84
DIKINIS, J		4TFA05FH51	Н	0001542404	21	2111	5.00	5.00	0.00	03-21-84
DIKINIS, J		4TFA05FH51	Н	000TS42404		2117	10.00	10.00	0.00	03-21-64
					TOTAL	DCN	195.00	195.00	0.00	
DIKINIS, J	FC1011	4TFA05FH51	H	OTRT542830	21	2113	164.0g	164.00	0.00	05-04-84
DIKINIS, J		4TFA05FH51	н	000T542830	21	2111	21.28	21.28	0.00	04-10-84
DIKINIS, J		4TFAOSFH51	H	000TS42830		2117	12.45	12.45	0.60	04-10-84
					TOTAL	DCM	197.73	197.73	0.00	•
DIKINIS, J	FC1014	4TFAQSFH51	н	OTRTS45449	21	2113	95.00	95.00	0.00	11-09-84
DIKINIS, J		4TFA05FH5I				2111	68.75	68.75	0.00	10-12-04
DIKINIS, J		4TFA05FH51	H	000TS45449		2117	55.59	55.59	0.00	10-12-84
•		•			TOTAL	DCM	219,34	219,34	0.00	
	FC1018	4TFA05FH51	H			2113	242.00	242.00	0.00	06-20-84
DIKINIS, J		4TFA05FH51				2111	162.50	162-50	0.00	06-15-84
DIKINIS, J		4TFA05FH51				2115	90.37	90.37	0.00	06-15-84
DIKINIS, J		4TFA05FH51	Н	0001543578		2117	18.40	18.40	0.00	06-15-84
					TOTAL	DCM	513.27	513.27	0.00	
	FC1023	4TFA05FH51				2111	167.50	187.50	0.00	08-20-84
DIKINIS, J		4TFA05FH51	Н			2115	115.44	115.44	0.00	08-20-64
DIKINIS, J		4TFAOSFHS1	H	0001544538		2117	23.00	Z3.00	0.00	08-20-84
					TOTAL	DCM	325.94	325.94	0.00	
	D2H033	4TFA725E51	E	0068945008		2535	500,000.00	437.943.00	62,057.00	12-04-84
					TOTAL	DCN	500,000.00	437,943.00	62,057.00	
MONG, GENE	FC1012	4TFA05FH51	н	000TS42900	21	2111	25.00	25.00	0.00	04-30-84
WONG, GENE		4TFAQSFH51	H	000TS42900		2117	25.00	25.00	0.00	04-30-84
					TOTAL	DCN	50.00	50.00	0.00	
	FC1 009	3TFA05FD51	D	OTRT534078	21	2113	156.00	0.00	156.00	06~16-83
		3TFA05F051	0	000T534078		2111	57.50	57.50	0.00	08-30-83
		37FA05FD51	Ď	0001534078		2115	31.20	31.20	0.00	08~30-83
		31FA05FD51	Ð	000T534078	21	2117	196.00	196.00	0.00	08-30-83

01-15-85

ENVIRONMENTAL PROTECTION AGENCY

PAGE 12

HAZARDOUS SUBSTANCE RESPONSE SITE (51) VERONA WELL FIELD, MI FMD OBJECT CLASSESCEXCLUOTING OBJECT CLASSES 11 AND 12 SALARIES AND FRINGES) AS OF JAN 11,1984

NAME CONTRL NUMBER C DOCUMENT OF C CLAS CURRENT-PRIOR ADVANCES) DOLIGATIONS ACTION DATE	SFSITEND 51							PARED BY R. HOFFMAN			
STRODRA FC1001 31FA05FD51 D 07RT533290 21 2113 70.00 71.00 71.00 0.00 07-14-05TRODRA 31FA05FD51 D 000T533290 21 2111 136.13 136.13 0.00 07-27-05TRODRA 31FA05FD51 D 000T533290 21 2117 30.50 30.50 0.00 07-27-05TRODRA 31FA05FD51 D 000T533290 21 2117 30.50 30.50 0.00 07-27-05TRODRA 31FA05FD51 D 000T533290 21 2117 30.50 30.50 0.00 07-27-05TRODRA 31GA05FD51 T 000T530181 21 2117 30.50 30.50 0.00 07-27-05TRODRA 31GA05FD51 T 000T530181 21 2117 3.70 3.70 0.00 0.00 11-15-05TRODRA 41FA05FD51 D 000T530181 21 2117 3.70 3.70 0.00 11-15-05TRODRA 41FA05FD51 D 000T530181 21 2117 3.70 3.70 0.00 11-15-05TRODRA 41FA05FD51 D 000T540214 21 2111 25.25 25.25 0.00 11-21-05TRODRA 41FA05FD51 D 000T540214 21 2111 25.25 25.25 0.00 11-21-05TRODRA 41FA05FD51 D 000T54052 21 2117 16.25 16.20 0.00 11-21-05TRODRA 41FA05FD51 D 000T54052 21 2117 16.25 16.25 0.00 08-01-05TRODRA 41FA05FD51 T 000T54052 21 2117 16.25 16.25 0.00 08-01-05TRODRA 41FA05FD51 T 000T54052 21 2117 16.25 16.25 0.00 08-01-05TRODRA 41FA05FD51 T 000T530951 21 2117 16.25 16.25 0.00 08-01-05TRODRA 41FA05FD51 T 000T530951 21 2117 21.00 23.00 0.00 01-10-05TRODRA 31FA05FD51 T 000T530951 21 2117 21.00 23.00 0.00 01-10-05TRODRA 31FA05FD51 T 000T533706 21 2117 21.00 23.00 0.00 01-10-05TRODRA 31FA05FD51 T 000T533706 21 2117 21.00 23.00 0.00 01-10-05TRODRA 31FA05FD51 T 000T533706 21 2117 21.00 23.00 0.00 01-00-05TRODRA 31FA05FD51 T 000T531108 21 2117 21.00 23.00 0.00 01-20-05TRODRA 31FA05FD51 T 000T531108 21 2117 21.00 23.00 0.00 01-20-05TRODRA 31GA05FT51 T 000T531108 21 2117 21.00 23.00 0.00 01-20-05TRODRA 31GA05FT51 T 000T531108 21 2117 21.00		D OC C ON TRL	ACC OUNT NUMBER	A C T Y	DBLIG DOCUMENT NUMBER	MAJ OC	OBJT CLAS	CUMULATIVE OBLIGATIONS CURRENT+PRIOR	CUM PAYMENTS (EXCLUDING ADVANCES)	UMPAID OBLIGATIONS	LAST ACTION DATE
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O1-15-85 ENVIRONMENTAL PROTECTION AGENCY PAGE 13

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

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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

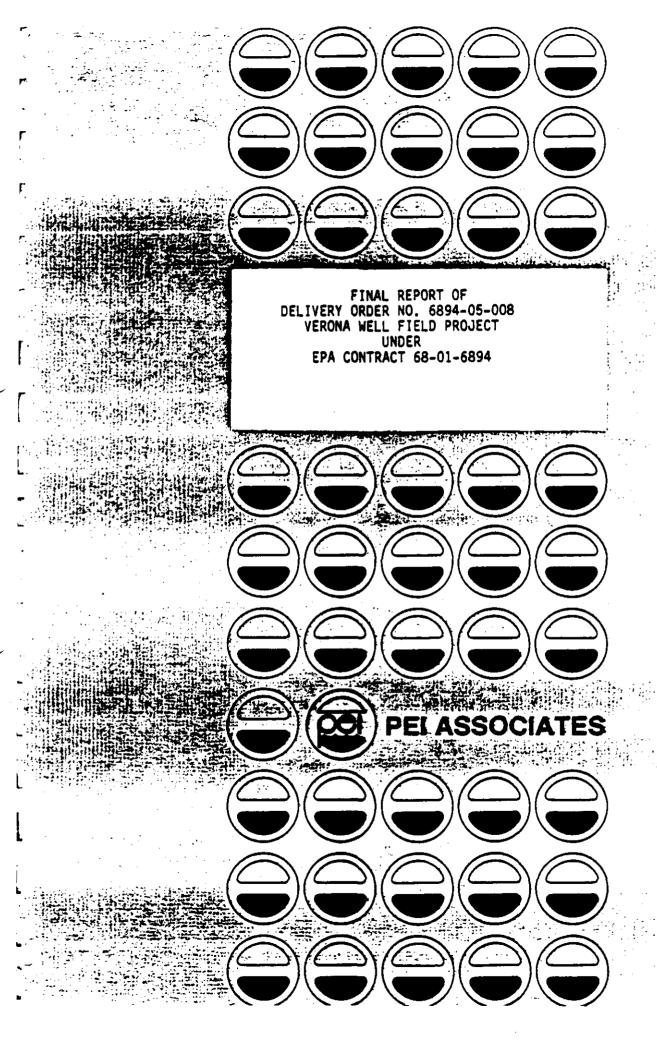
\$18,122.14

- Projected Final TAT Costs

19,308.00

APPENDIX Q

ERCS Contractor's Final Project Report



PEI ASSOCIATES, INC.

(FORMERLY PEDCO ENVIRONMENTAL, INC.)

January 25, 1985

11499 CHESTER ROAD CINCINNATI, OHIO 45246 (\$13) 782-4700 TELECOPIER (513) 782-4807

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,

1

PEI ASSOCIATES, INC.

Michael C. Hessling Response Manager

MCH/vss

Enclosures

cc: J. Bruck

J. Jowett

G. Regan

T. O'Connell

BRANCH OFFICES

CHESTER TOWERS

DALLAS, TEXAS DENVER, COLORADO

COLUMBUS, OHIO DURHAM, NORTH CAROLINA

MANGAG CITY, KANGAG



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 Side grinders (two)	20.00 18.00	45.00 0.00	25.00 (18.00)
05/23/84	Addition error in equipment Wrong labor total used for final	1407.00 3104.75	687.00 3514.25	(720.00) 409.50
05/24/84	Addition error in equipment Fuel (Clark Oil) Handling charge adjustment	11623.80 18.85	11683.80 28.85	60.00 10.00 .30
05/25/84	Foreman Level 2 - wrong rate Laborer - wrong rate	201.60 126.40	183.00 94.80	(18.60) (31.60)
05/29/84	Addition error in equipment	85.00	86.00	1.00
06/01/84	Pump starters, etc. (Lawrence Elec) Handling charge adjustment	4067.00	4091.40	24.4 0 .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

TABLE OF CONTENTS

				Page
1.0	Intr	oduct	ion	1
2.0	Tech	nical	Summary	2
	2.2 2.3 2.4 2.5 2.6 2.7	Prelication Prelic	ect Overview iminary Design iled Design truction tup iting Problems ing and Analysis	2 3 8 9 13 14 15
3.0	Sele	ction	of Vendors	18
	3.2	Reimt	! Rate Labor, Equipment and Materials pursable Cost Subcontractors pursable Cost Materials Suppliers	18 19 20
1.0	Cost	Summa	ıry	22
ppe	ndix	A	Engineering Drawings	
\ppe	ndix	В	Carbon Treatment System Operating Manual	
\ppe:	ndix	С	Accelerated Column Test Results	
ppe	ndix	D	Inquiry Summary Reports	
ppe	ndix	E	Documentation of Reimbursable Costs	
			Direct-Billed Materials Reimbursable Subcontractors Direct-Billed Materials Provided by Murray Construction Direct-Billed Items Provided by Union Electric	

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 SUMMRY

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

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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.

i

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)

Company	Price per pump (\$)	Delivery schedule (five pumps)
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

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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 necessry 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

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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

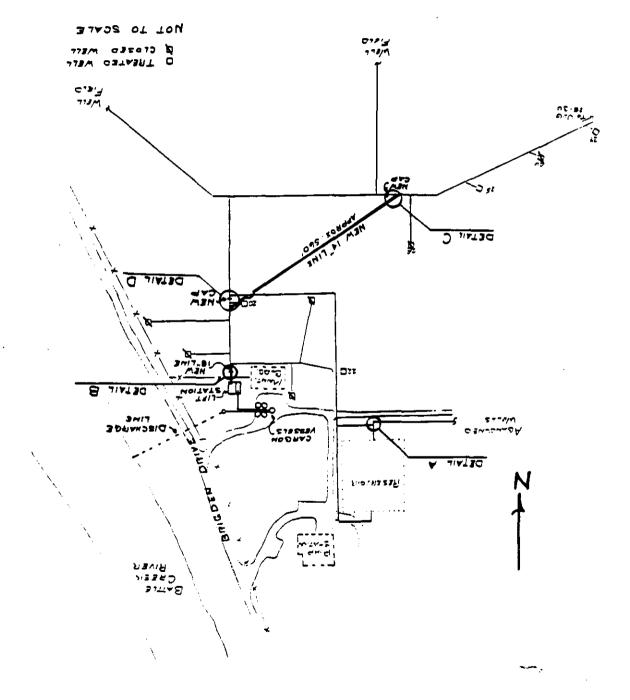


Figure 2. Site sketch of Verona Pump Station, Battle Creek, MI.

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 1 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).

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 backwashing.

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 d	concentration
Total_volatile organic contaminants (VOC)	33	ug/1
1,1-dichloroethane		ug/1
1,2-dichloroethane		ug/1
1,1,1-trichloroethane		ug/1
Cis-1,2-dichloroethylene		ug/1
1,1-dichloroethylene		ug/1
Trichloroethylene		ug/l
Tetrachloroethylene		ug/1
1,2-dibromoethane		ug/1
Hq		- 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 40404			PROJECT REQUISIT RECEIVES	100:	1008 5888 8/9/84 8/8/84		
ATTENTION:	MR DAN C			REPORTED		8/10/84		
***		COORDINAT	_		. ,	10/84		
MATRIX:	VERUNA P	MELL WATER	·	APPROVED	<i>Z</i> t <i>:</i>	1 Pss		
SAMPLE ID		108 Blank	107 Inlet 1	102 A1	103 B1	/ 104 C1		
PEDCO NO:		DR418	DR617	DR612	DR613	DR614		
1,2-D1CHLORO-	ETHYLENE	ND	4.6	ND	2. i	NO		
TRICHLOROETHYL	-ENE	ND	1.6	ND	ND	ND		
TETRACHLOROETH	YLENE .	ND	10.2	ND	ND	ND		
1,1,1-TRICHLOR	ROETHANE	ND	15.2	ND	5.3	1.2		
1,2-D1CHLOROET	THANE	ND	ND	ND	ND	ND		
1,1-DICHLORGET	THANE	ND	10.4	1.3	3.7	1.3		
1,1-DICHLOROET	THYLENE	ND	1.2	ND	ND	ND		
1,2-DIBROMOET	HANE	ND	ND	ND	ND	ND		
РН		6.4	6.4	6.6	6.4	6.7		
SAMPLE ID:	74 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3	105	106	DUPLICA	ΓE			
PEDCO NO:		D1 DR615	E1 DR616	D2 DR616				
1,2-DICHLORGE	THYLENE	ND	ND	ND	••			
TRI CHLOROETHY	LENE	ND	ND	ND				
TETRACHLOROETI	HYLENE	ND	ND	ND				
1,1,1-TRICHLO	ROETHANE	1.2	NO	1.1				
1,2-DICHLOROE	THANE	ND	ND	ND				
1,1-DICHLOROE	THANE	1.1	ND	1.1				
1,1-DICHLORGE	THYLENE	ND	ND	ND				
1,2-01BROMOET	HANE	ND	ND	ND				
PH ND=NOT DETECT!	ED<<1.UG/	6.4 L)	6.8	6.4				

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 committments.

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 <u>Jack Saye Poured Walls</u>

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 - VERONA WELL/BATTLE CREEK, MI January 10, 1985

	Hours	worked	Ra	te		
abor	Straight	Overtime	Straight	Overtime	Extension	Total
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 (Congrete Finisher) ^a	24.0	1.0	31.50	42.00	798.00	
Pipesetter	135.0	1.0	23.10	31.50	3,150,00	
Pipefitter ^a	257.0	160.0	31.50	42.00	14,815.50	
Welder (Level 2)	234.0	72.5		42.00	10,416.00	
delder (Level 2) Plumber	16.0		31.50	42.00	504.00	
Iron Worker ^a	40.0	-	31.50	42.00	1,260.00	
Nectrician (Level 2)	126.0	1.0	31.50	42.00	4,011.00	
Apprentice Electrician ^a	30.0	•	23.10	31.50	693,00	
arpenter (Level 2)	148.0	3.0	23.10	31.50	3,513.30	
Mechanic (Level 2)	76,5	0.5	26.30	34,7C	2,029.30	
aborer (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	\$94,764.0
ravel and subsistence						
					5,479.38	5,479.

Mobilization

None

Demobilization

Backhoe (Case 580) 33 4 32.00 221.00 992.00 3100.00 1,9 Front-end Idr/wheel (1.5 yd) 20 7 47.00 331.00 1488.00 4700.00 3,7 Front-end Idr/wheel (3 yd) 18 47.00 331.00 1488.00 4700.00 3,7 Front-end Idr/wheel (3 yd) 18 47.00 331.00 1488.00 4700.00 3,7 Front-end Idr/wheel (3 yd) 18 47.00 331.00 1488.00 4700.00 3,7 Front-end Idr/wheel (3 yd) 18 47.00 331.00 1488.00 4700.00 3,7 Front-end Idr/wheel (3 yd) 18 47.00 331.00 1488.00 4700.00 3,7 Front-end Idr/wheel (3 yd) 18 47.00 331.00 1488.00 4700.00 3,7 Front-end Idr/wheel (3 yd) 18 47.00 331.00 1488.00 4700.00 3,7 Front-end Idr/wheel (3 yd) 18 47.00 331.00 1488.00 4700.00 3,7 Front-end Idr/wheel (3 yd) 18 47.00 331.00 1488.00 4700.00 3,7 Front-end Idr/wheel (3 yd) 18 47.00 331.00 1488.00 4700.00 3,7 Front-end Idr/wheel (3 yd) 18 47.00 331.00 1488.00 4700.00 3,7 Front-end Idr/wheel (3 yd) 18 47.00 331.00 1488.00 4700.00 3,7 Front-end Idr/wheel (3 yd) 18 47.00 331.00 1488.00 4700.00 3,7 Front-end Idr/wheel (3 yd) 18 47.00 331.00 1488.00 4700.00 3,7 Front-end Idr/wheel (3 yd) 18 47.00 331.00 1488.00 4700.00 3,7 Front-end Idr/wheel (3 yd) 18 47.00 331.00 1488.00 4700.00 1,7 Front-end Idr/wheel (3 yd) 18 47.00 331.00 1488.00 4700.00 1,7 Front-end Idr/wheel (3 yd) 18 47.00 331.00 1488.00 4700.00 1,7 Front-end Idr/wheel 18 47.00 35.0	None		Time	used				Rate		
Backhoe (Case 580) 33 4 32.00 221.00 992.00 310.00 1,940 Front-end Idr/wheel (1,5 yd) 18 47.00 331.00 1488.00 4700.00 3,757 Front-end Idr/wheel (3 yd) 18 47.00 331.00 1488.00 4700.00 366 Dump truck (10-20 yd, fix box) 12 30.00 240.00 960.00 2900.0 360 Pickup truck 6 3 1 9.00 58.00 231.00 735.00 459 Stake bed truck (2 ton) 14 13 1 16.00 80.00 440.00 1365.00 1.704 Stake bed truck (1 ton) 3 1 14.00 75.00 315.00 950.00 540 Passenger sadan 7 7.00 51.00 232.00 695.00 357 Elec. submersible pump (2 in) 2 10.00 55.00 232.00 685.00 369 Air compressor capab. 8 3 16.00 95.00 315.00 945.00 168 Air compressor capab. 8 3 16.00 95.00 375.00 168 Carbon filter (20,000 lb)* 21 - 11.00 42.00 126.00 859 <th>Equipment</th> <th>Hour</th> <th>Day</th> <th>Week</th> <th>Month</th> <th>Hour</th> <th>Day</th> <th>Week</th> <th>Month</th> <th></th>	Equipment	Hour	Day	Week	Month	Hour	Day	Week	Month	
Front-end Idr/wheel (1.5 yd) 18	Backhoe (Cat 225)	45	3			68,00	478.00	2150.00	6900.00	4,494.
Front-end Idr/wheel (1.5 yd) 20 7 Front-end Idr/wheel (3 yd) 18 47.00 331.00 1488.00 4700.00 3,757.0 Front-end Idr/wheel (3 yd) 18 47.00 331.00 1488.00 4700.00 34,757.0 Front-end Idr/wheel (3 yd) 18 47.00 331.00 1488.00 4700.00 34,757.0 Front-end Idr/wheel (3 yd) 18 47.00 331.00 1488.00 4700.00 3450.0 Front-end Idr/wheel (3 yd) 18 47.00 331.00 1488.00 4700.00 3450.0 Front-end Idr/wheel (3 yd) 18 47.00 331.00 1488.00 4700.00 3450.0 Front-end Idr/wheel (3 yd) 18 47.00 331.00 1488.00 4700.00 3450.0 Front-end Idr/wheel (3 yd) 18 47.00 331.00 1488.00 4700.00 3450.0 Front-end Idr/wheel (3 yd) 18 47.00 331.00 1488.00 4700.00 3450.0 Front-end Idr/wheel (3 yd) 18 47.00 331.00 1488.00 4700.00 3450.0 Front-end Idr/wheel (3 yd) 18 47.00 331.00 1488.00 4700.00 350.0 Front-end Idr/wheel (3 yd) 18 47.00 331.00 1488.00 4700.00 350.0 Front-end Idr/wheel (3 yd) 18 47.00 331.00 945.00 1350.0 Front-end Idr/wheel (3 yd) 14 1 1 50.00 80.00 315.00 945.00 168.0 Front-end Idr/wheel (3 yd) 18 2 1 50.00 55.00 220.00 685.00 550.0 Front-end Idr/wheel (3 yd) 18 2 1 50.00 55.00 375.00 165.00 603.0 Front-end Idr/wheel (3 yd) 18 2 1 50.00 175.00 165.00 603.0 Front-end Idr/wheel (3 yd) 18 2 1 50.00 175.00 165.00 603.0 Front-end Idr/wheel (3 yd) 18 2 1 50.00 175.00 165.00 603.0 Front-end Idr/wheel (3 yd) 18 2 1 50.00 175.00 165.00 603.0 Front-end Idr/wheel (3 yd) 18 2 1 50.00 330.00 1935.0 Front-end Idr/wheel (3 yd) 18 2 1 50.00 330.00 1935.0 Front-end Idr/wheel (3 yd) 18 2 1 50.00 330.00 10.00 188.0 Front-end Idr/wheel (3 yd) 18 2 1 50.00 330.00 10.00 188.0 Front-end Idr/wheel (3 yd) 18 2 1 50.00 330.00 10.00 188.0 Front-end Idr/wheel (3 yd) 18 2 1 50.00 330.00 10.00 188.0 Front-end Idr/wheel (3 yd) 18 2 1 50.00 330.00 10.00 188.0 Front-end Idr/wheel (3 yd) 18 2 1 50.00 330.00 10.00 188.0 Front-end Idr/wheel (3 yd) 18 2 1 50.00 330.00 10.00 188.0 Front-end Idr/wheel (3 yd) 18 2 1 50.00 330.00 10.00 188.0 Front-end Idr/wheel (3 y	Backhoe (Case 580)	33	4			32.00				1,940.0
Front-end dr/whee (3 yd)		20					331.00			3,757.00
Dump truck (10-20 yd, fix box) 12 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 51.00 232.00 695.00 540.00 Passenger sedan 7 7,00 51.00 232.00 695.00 550.00 Tresh 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 Air compressor capab. 8 3 16.00 95.00 375.00 1165.00 603.00 Parsh pump (2 in) 5.5 1 17.00 80.00 315.00 945.00 168.00 Drill rigs 1 - 110.00 80.00 315.00 945.00 168.00 Carbon filter (20,000 lb) 2 1 - 1175.00 3525.00 869.00 Carbon filter (20,000 lb) 3 25(1558) 19 - 1175.00 3525.00 85,775.00 Crane (15-ton) 3 21 50.00 1175.00 3525.00 85,775.00 Crane (25-ton) 3 21 50.00 1175.00 3525.00 85,775.00 Crane (25-ton) 3 21 50.00 6660.00 Crane (50-ton) 3 22.5 85.00 1197.50 Cutting torch 3.5 13 8.00 50.00 635.00 Portable welder 3 7 9 3 14.00 90.00 440.00 - 2,228.00 Dazer, 0-4 (Caterpillar) 16 1 40.00 295.00 - 955.00 Transit/level 6 3.5 11 14.00 90.00 440.00 - 955.00 Transit/level 6 3.5 11 14.00 90.00 440.00 - 955.00 Transit/level 6 3.5 11 10.00 90.00 440.00 - 956.00 Lift truck (50') 3 14 1 50.00 330.00 10.00.00 Concrete with a 2 35.00 70.00 Concrete with a 3 5 - 35.00 70.00 Concrete with a 4 - 30.00 10.00.00 Concrete with a 5 45.00 200.00 - 2225.00 Ladders 5 45.00 200.00 - 2225.00 Ladders 6		18								
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Stake bed truck (1 ton) Passenger sedan Filec. submersible pump (2 in) Trash pump (2 in) Trash pump (2 in) Filec. submersible pump (2 in) Filec. submersion (40,00 295,00 168,00 Filec. submersion (40,00 295,00 168,00 Filec. submersion (40,00 295,00 168,00 Filec.		14		Ĭ						
Passenger sedan 7 7,00 \$1.00 232.00 695.00 357.00 Elec. submersible pump (2 in) 2 2 10.00 55.00 220.00 685.00 550.00 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 Capbon filter (20,000 lb) 25(15S8) 19 1175.00 3525.00 85,775.00 Turf tractor 8 21 50.00 1,950.00 1,917.50 Carbon filter (50-ton) 21 50.00 1,917.50 Cutting torch 3.5 13 8.00 50.00 1,917.50 Cutting torch 3.5 13 8.00 50.00 1,917.50 Cutting torch 3.5 13 8.00 50.00 1,917.50 Cutting torch 4 5.5 11 14.00 90.00 440.00 - 958.00 Equipment truck 5.5 11 14.00 90.00 440.00 - 958.00 Transit/level 5.5 11 14.00 90.00 440.00 - 958.00 Concrete bucket (1 yd) 8 2 45.00 300.00 1,030.00 Concrete bucket (1 yd) 8 2 - 35.00 1,030.00 Concrete bucket (1 yd) 8 2 - 35.00 1,030.00 Concrete bucket (1 yd) 8 2 - 20.00 40.00 Grooving machine 5 - 45.00 200.00 - 225.00 Concrete bucket (2 yd) 8 3 - 15.00 60.00 - 25.00 Concrete bucket (2 yd) 8 3 - 15.00 60.00 16.00 Concrete bucket (2 yd) 8 3 - 15.00 60.00 16.00 Concrete bucket (2 yd) 8 3 - 15.00 60.00 16.00 Concrete bucket (2 yd) 8 3 - 15.00 60.00 16.00 Concrete bucket (2 yd) 8 3 - 15.00 60.00 16.00 Concrete bucket (2 yd) 8 3 - 15.00 60.00 16.00 Concrete bucket (2 yd) 8 3			3	Ĭ						
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Air compressor capab. Hand tools Orill rigs Carbon filter (20,000 lb) Turf tractor Carbon filter (20,000 lb) Turf tractor B Crane (15-ton) Crane (25-ton) Crane (25-ton) Crane (50-ton) Crane (50-ton) Orill rigs Cutting torch Air compressor capab. Turf tractor Crane (50-ton) Crane (25-ton) Crane (25-t		5.5	ī	-						
Hand tools 37 11 - 11.00 42.00 126.00 869.00 Drill rigs 1 - 446.00 2008.00 6024.00 446.00 Turf tractor 8 25(1558) 19 - 1175.00 3525.00 85,775.00 Crane (15-ton) 21 50.00 1,050.00 Crane (25-ton) 21 60.00 1,050.00 Crane (25-ton) 22.5 85.00 1,917.50 Cutting torch 3.5 13 8.00 50.00 1,917.50 Cutting torch 3.5 13 8.00 50.00 636.00 Portable welder 7 9 3 14.00 90.00 440.00 - 2,228.00 Drzer, D-4 (Caterpillar) 16 1 40.00 295.00 935.00 Equipment truck 2.5 11 14.00 90.00 440.00 - 958.00 Transit/level 5.5 11 14.00 90.00 440.00 - 958.00 Cutting truck (30') 8 8 2 45.00 300.00 960.00 Lift truck (30') 8 8 2 45.00 300.00 10.00 Concrete bucket (1 yd) 2 - 35.00 70.00 Concrete bucket (1 yd) 2 - 35.00 10.00 Concrete vibrator 4 - 30.00 10.00 Grooving machine 5 - 45.00 200.00 - 225.00 Heat torch 2 8.00 11.00 42.00 - 84.00 Heat torch 2 8.00 11.00 42.00 - 84.00 Heat torch 2 8.00 11.00 42.00 - 84.00 Heat torch 2 8.00 15.00 60.00 - 300.00 Concrete vibrator 3 - 11.00 42.00 - 84.00 Heat torch 2 8.00 11.00 42.00 - 84.00 Heat torch 2 8.00 11.00 42.00 - 84.00 Heat torch 2 8.00 11.00 42.00 - 300.00 Heat torch 2 8.00 11.00 42.00 - 300.00 Heat torch 2 8.00 11.00 42.00 - 300.00 Heat torch 2 8.00 11.00 42.00 - 300.00 Heat torch 2 8.00 11.00 42.00 - 300.00 Heat torch 2 8.00 11.00 42.00 - 300.00 Heat torch 2 8.00 11.00 42.00 - 300.00 Heat torch 2 8.00 11.00 42.00 - 300.00 Heat torch 3 8.00 11.00 42.00 - 300.00 Heat torch 3 8.00 11.00 42.00 - 300.00 Heat torch 3 8.00 11.00 42.00 - 300.00 Heat torch 3 8.00 11.00 42.00 - 300.00 Heat torch 3 8.00 11.00 42.00 - 300.00 Heat torch 3 8.00 11.00 42.00 - 300.00 Heat torch 3 8.00 11.00 42.00 - 300.00 Heat torch 3 8.00 11.00 42.00 - 300.00 Heat torch 3 8.00 11.00 42.00 - 300.00 Heat torch 3 8.00 11.00 42.00 - 300.00 Heat torch 3 8.00 11.00 42.00 - 300.00 Heat torch 3 8.00 11.00 42.00 - 300.00 Heat torch 4 9.00 - 300.00 Heat torch 4 9.00 - 300.00 Heat torch 4 9.00 - 30			3							
Drill rigs		-		11						
Carbon filter (20,000 lb)	Orill rigs		1			-				
Turf tractor	Carbon filter (20,000 lb)			25(155	8) 19	-				
Crane (15-ton) 21 50.00 - - 1,050.00 Crane (25-ton) 11 60.00 - - 660.00 Crane (50-ton) 22.5 85.00 - - 1,912.50 Cutting torch 3.5 13 8.00 50.00 - - 636.00 Portable welder 7 9 3 14.00 90.00 440.00 - 2,228.00 Dnzer, D-4 (Caterpillar) 16 1 40.00 295.00 - - 935.00 Equipment truck 2.5 11 14.00 90.00 440.00 - 958.00 Transit/level 6 - 35.00 - - 210.00 Lift truck (30') 8 2 45.00 300.00 - - 10.00 Concrete vibrator 4 - 30.00 - - 10.00 Concrete vibrator 4 - 30.00 - - 40.00 Band saw 2 - 20.00 - - 40.00 <t< td=""><td>Turf tractor</td><td>6</td><td></td><td>,</td><td>-,</td><td></td><td>-</td><td></td><td></td><td></td></t<>	Turf tractor	6		,	-,		-			
Crane (25-ton)							•	-		
Crane (50-ton) 2								-	•	
Cutting torch 3.5 13 8.00 50.00 - - 636.00 Portable welder ^a 7 9 3 14.00 90.00 440.00 - 2,228.00 Dnzer, D-4 (Caterpillar) ^a 16 1 40.00 295.00 - - 935.00 Equipment truck 8.5 11 14.00 90.00 440.00 - 958.00 Transit/level 6 - 35.00 - - 210.00 Lift truck (30') ^a 8 2 45.00 300.00 - - 960.00 Lift truck (50') ^a 14 1 50.00 330.00 - - 1,030.00 Concrete bucket (1 yd) ^a 2 - 35.00 - - 70.00 Concrete vibrator 4 - 30.00 - - 120.00 Band saw ^a 2 - 20.00 - - 40.00 Growing machine ^a 5 - 45.00 200.00 - 130.00 Ladders 14 3 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>•</td> <td>-</td> <td>-</td> <td></td>							•	-	-	
Portable welder 7 9 3 14,00 90.00 440.00 - 2,228.00 Dnzer, D-4 (Caterpillar) 16 1 40.00 295.00 - 935.00 Equipment truck 8.5 11 14.00 90.00 440.00 - 958.00 Transit/level 6 - 35.00 - 210.00 Lift truck (30') 8 2 45.00 300.00 - 960.00 Lift truck (50') 14 1 50.00 330.00 - 960.00 Concrete bucket (1 yd) 2 - 35.00 - 70.00 Concrete vibrator 4 - 30.00 - 120.00 Band saw 2 - 20.00 - 40.00 Grooving machine 5 - 45.00 200.00 - 225.00 Ladders 14 3 - 5.00 200.00 - 130.00 Heat torch 2 8.00 16.00 Welding stands 8 3 - 15.00 60.00 - 300.00	Cutting torch		13				50,00	-	-	
Distribution Dist	Portable welder ^d			3				440.00	-	
Equipment truck	Onzer, D-4 (Cateroillar)	16	1	•				- •	-	
Transit/level 6 - 35,00 - 210,00 Lift truck (30') 8 2 45,00 300,00 - 960,00 Lift truck (50') 14 1 50,00 330,00 - 1,030,00 Concrete bucket (1 yd) 2 - 35,00 - 70,00 Concrete vibrator 4 - 30,00 - 120,00 Band saw 2 - 20,00 - 40,00 Grooving machine 5 - 45,00 200,00 - 225,00 Ladders 14 3 - 5,00 20,00 - 130,00 Side grinder 2 - 11,00 42,00 - 84,00 Heat torch 2 8 3 - 15,00 60,00 - 300,00	Equipment truck							440,00	•	
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Side grinder 2 - 11.00 42.00 - 84.00 Heat torch 2 8.00 - - 16.00 Welding stands 8 3 - 15.00 60.00 - 300.00	Ladders		14	3		•			_	
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Helding stands 8 3 - 15.00 60.00 - 300.00	Heat torch	2		_		8,00			•	
		_	2	3		•		60.00	-	
	Power threader ^a	1	Ž	-			20.00			44.00

Non-contract item.

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

fileage	No. of miles		Extension	Total
Passenger sedan	2240 @ 5.16/mile		S 35P.40	\$ 358,40
Materials - fixed rate	Quantity	Rate		
Activated carbon	100,000 15	\$1.075/16	107,500.00	107,500.0
Materials - reimbursable				
Alro Steel			52.79	
			99,46 34,17	
Aurora Pump (Faber Pump &	Equipment)		7,217.60 10,60	
Clark Oil			18.25	
Corlett Lumber F&A Fabricating			636.37 748.00	
F. D. Lawrence Electric			77,85	
			12.50 4,001.05	
Galloup Pipe & Supply			227,55	
			7,820.97 485.96	
			584,71	
			135.78 2,474.63	
			4,054.61	
			283.74 80.48	
			1,324.06	
			536.57 271.54	
			1 99 .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 32 7.53	
			1,549.88	
			681.45 +159.21	
	· .		-267.38	
			-5 13.12 32 5.31	
			-835.17	
G. W. Northrop, Inc.			-1,271.76 100.00	
Hausman Steel			974.56	
Hoffman Brothers			390.00 2,005.62	
Hunter-Pre!1			112.53 2,449.95	
remical - Figure			117.87	
			9.43 507.78	-
			4.91	
			300.77 44.26	
J. H. Ballenger Co.	•		12.67 333.71	
Kalamazoo Foundry			294.30	

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

Materials - reimbursable (con	tinued)	Extension	Total
Kendall Electric		\$ 628.70	\$
		1,393.80 97.16	
Kendall Industrial Supplies		229.75	
Modern Transit MTx		5.10 1.575.29	
		2,548,10 75,40	
Murray Construction		358.02 650,25	
Neenah Foundry		462.91	
Morthern Concrete Pipe, Inc.		934.86 853.37	
PEDCo Stool		6.08	
Ryerson Steel Summit		1,064.29 1,519.88	
		1,136,16 396,44	
Underground Pipe & Supply		44.90	
, , , , , , , , , , , , , , , , , , ,		2,501.20 17,399.62	
Union Electric		664.18	
		102.58 3,656 ,41	
Yan-Trans		4,986.00	90,731.11
Transportation			
Airborne	Drawings to Michigan Department of Natural Resource		
Air Couriers	Drawings to U.S. EPA/Chicago Wired money	9.00 2 .906 .25	
Air Wisconsin Emery	Ref. 1200185	9,68	
caery .	Air transportation - pumps Air transportation - probes	73.14 79.00	3,091.07
<u>Disposal</u>			
None			
Analysis			
	Date Quantity Analysis \$/sam	ple	
PEI Laboratory	6/4/84-10/17/84 150 VOA 112.		
	6/15/84 1 Flash point 30. 7/5/84 4 Solvents 67.		17,080.00
Subcontracts	Description of service	.	
Calgon	Accelerated column test	4,160,00	
	Removal/regeneration of spent carbon 40,0004 # 5.1	2 4,800.00	
	Removal/regeneration of spent carbon 40,000# 0 5.1 Removal/regeneration of spent carbon 20,000# 0 5.1		
Central Iron & Metal Co.	Salvade of pipe 14.540# P 525/ton	-181.75	
Clark Construction Consumers Power Co.	Installation of transformer Rental of transformer 5/11-6/11/84	312.00 120.00	
	Rental of transformer 6/11-7/11/84 Rental of transformer 7/11-8/7/84	124.60 124.80	
		96 0.00	
Drake Insulation	Labor		•
	Materials	1,263.02 10,922.00	•
Drake Insulation Jack Saye Milliam H. Kelly Co.		10,922.00 1,620.00	
Jack Saye William H. Kelly Co.	Materials Wall forms Waterproofing	10,922.00	31,604.87
Jack Saye William H. Kelly Co.	Meterials Wall forms	10,922,00 1,620,00 180,00	
Jack Saye Milliam H. Kelly Co. Hendling charge (3%) Meterials - reimbursable	Materials Wall forms Waterproofing Amount \$90,731.11	10,922.00 1,620.00 180.00	
Jack Saye Milliam H. Kelly Co. Mendling charge (3%) Meterials - reimbursable Transportation Analysis	Materials Wall forms Waterproofing Amount	10,922.00 1,620.00 180.00 2,721.93 92.73 N/A	31,604.87
Jack Saye Milliam H. Kelly Co. Mendling charge (3%) Meterials - reimbursable Transportation	Materials Wall forms Waterproofing Amount \$90,731.11 3,091.07	10,922.00 1,620.00 180.00 2,721.93 92,73	